



TGT - LAB
REGISTROS GEOLOGICOS

FINAL WELL REPORT

WELL: LO16-29D

JANUARY - FEBRUARY
2014

SAVIA PERU S.A.

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INTRODUCTION

TGT – LAB S.A.C. started Mud Logging Operations on the Well LO16-29D on January 25th, 2014 at 480 feet depth, and finished on February 22nd, at the depth of 7859 feet TD(RT). With 5.5" Casing cementation; Casing Shoe at 7857 feet.

Origin:	
Surface Northing	9'505,994.60 m.
Surface Easting	459,446.50 m.
Main objective:	Mogollon Formation.
Objective Northing	9'506,750.13 m.
Objective Easting	458,446.05 m.
Kelly Bushing	50 ft.
Water depth	-309 ft.
Total Depth	7859 ft.
Reference	DATUM-WGS -84 UTM

The purpose of this well LO16-29D is to test potential reserves of the main objective Mogollon formation.

The well LO16-29D drilled from platform Lobitos 16 and reached a final depth of 5461.87 feet. (TVD).

This report includes the geological, rig activity from the Mud Logging Unit of the Well LO16-29D from 480 feet measured depth (Rotary Table) from January 25th, 2014; to the Final Total Depth at 7859 feet that was reached on February 22nd, 2014.

To drill this Well, the company SAVIA PERÚ, used a "BASIC ON LINE UNIT" of Mud Logging, with the capture of On-Line Data using equipment belonging to T.G.T. LAB S.A.C.

This Unit was endowed with the following equipment:

Hook height measurement:

Draw work sensor

Drilling parameters:

Stand pipe pressure
Weight on bit
Depth (Measure Depth and True Vertical Depth)
MMRPM (Down Hole Motor RPM)
ROP (Rate of Penetration)

Mud system:

Pit Suction level # 1 (Sonic sensor)
Pit Pre-suction level # 2 (Sonic sensor)
Pit Desander level # 3 (Sonic sensor)
Pit Desilter level # 4 (Sonic sensor)

Mud pumps:

Pump # 1 (Triplex)
Pump # 2 (Triplex)
Pump # 3 (Triplex)

Gas chain specification:

Gas trap pneumatic shaker box
Gas Chromatograph FID SRI 8610C gas cycle 40"

Data acquisition system:

1 computer DRILL VIEW ADQ for Real time acquisition.
1 computer Windows 2003 Server for data bases.
1 computer Windows XP, for Geology Data control.
1 computer Windows XP, for Chromatograph control.
1 computer Windows XP, for Repetition screen on CoMan office.

- The monitoring Unit is composed of a cabin equipped by T.G.T. LAB.
- The system is designed for the acquisition and storage of Geologic Information and the continuous monitoring of the perforation process.
- The analysis of the gathered information is a tool of great help for the personnel in charge of the taking of immediate decisions or of the optimization of the different variables.
- The continuous monitoring of the process allows detecting complications and mishaps in advance, as well as it helps in the prevention of situations of risk for the personnel and drilling teams.

The geologic interpretation was carried out as a continuous analysis of the drilling cuttings with the purpose of defining parameters such the content of Hydrocarbons and Lithology.

For the definition of an area of interest, a good indicator is the concentration of gassy hydrocarbons extracted directly from the perforation mud. The Gas Chromatography provides a qualitative and quantitative analysis of the gas content in the sample co relatable to the composition of the hydrocarbons present.

By means of the use of different sensors installed in strategic points of the Rig, it becomes possible the record and calculate of a wide range of parameters like:

Measured Depth, Lag Depth, Bit Depth.

Rate of Penetration

Hook Load

Weight on Bit

Bit Position

RPM on Down Hole Motor

Total Bit Hours on Bottom

SPM and Total SPM

Pit Volume Totalizer

Flow in GPM

Pump Pressure

Chromatographic Analysis

In addition to the parameters measured in the different points of the drilling, inside the geology cabin and thanks to the accessories of geologic support, it was also possible to carry out the analysis of such auxiliary parameters as: complete Lithological and Show descriptions, Fluorescence Data and Drilling Operations which are included accordingly.

The On-line applications allowed in different occasions to "review" and "replay" drilling events in diverse graphic and numeric formats during the monitoring of the perforation activities. With the help of a second computer the data in On-line form it was transfered toward the database Off-Line Computer where the information was processed to allow the elaboration of different graphic registrations such as: Formation Evaluation Log.

The information obtained from the different equipment and the analysis of samples each 30 feet from 480 to 4000 feet; and each 10 feet from 4000 feet to 7859 feet; in two (2) Graphic Logs: The Formation Evaluation Log at scale 1:500 (Measured Depth and True Vertical Depth.)

In this one the penetration rate each ½ feet is included, the lithology in percentage and interpreted form, lithological description, oil and gas shows present with its corresponding evaluation; utilized bits, mud information, drilling parameters, casing, as well as those activities that were considered of interest.

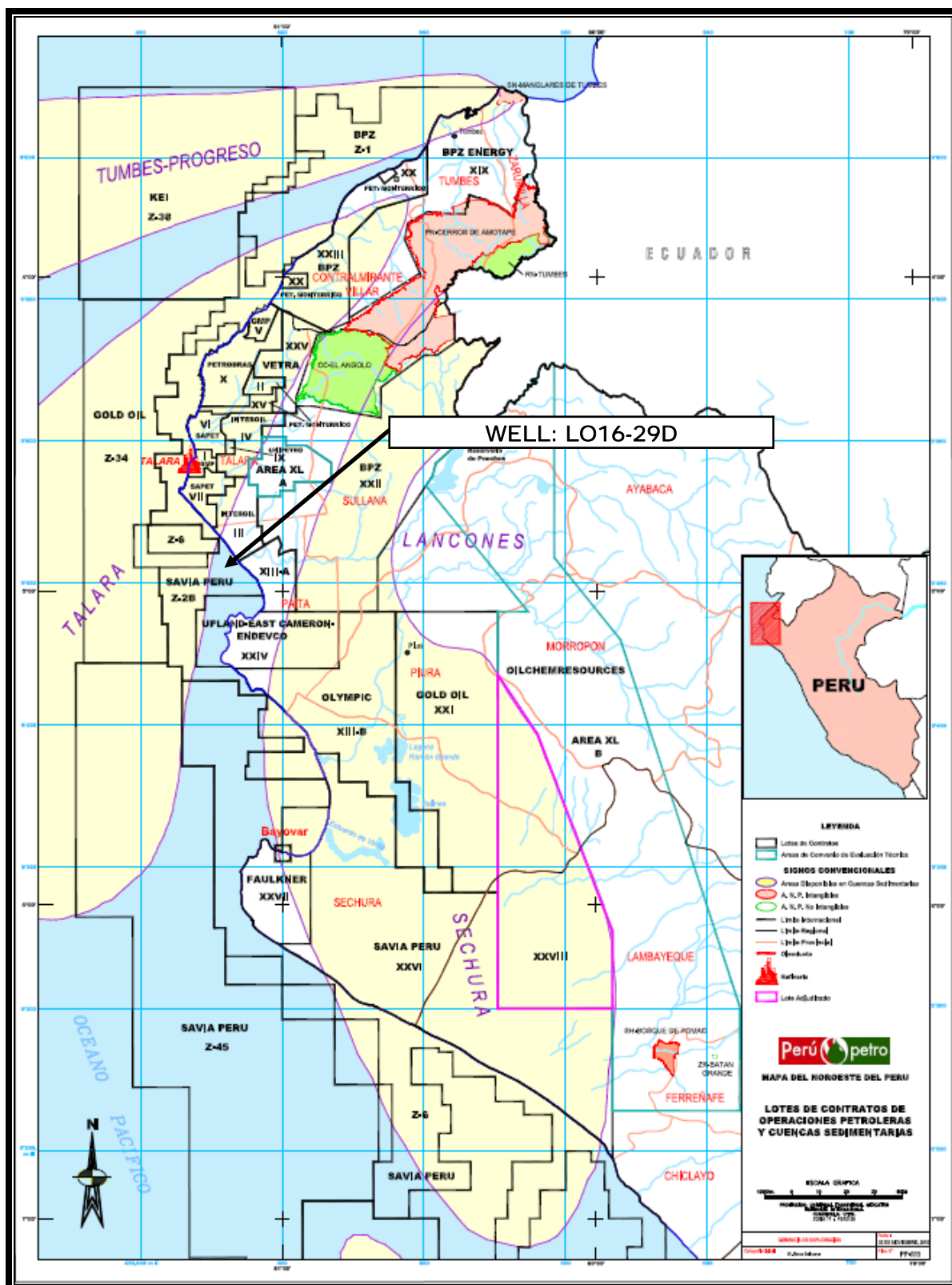


GEOLOGICAL REPORT



WELL AND RIG DATA

Company:	SAVIA PERU	
Well Name:	LO16-29D	
Well Type:	DEVELOPMENT	
Field:	LOBITOS OFFSHORE	
Basin:	TALARA	
State:	PIURA	
Country:	PERU	
Coordinates (WGS-84 UTM):	North	East
Origin:	9'505,994.60 m	459,446.50 m
Main Objective:	Mogollon Fm.	
Rotary table:	50.00 ft.	
Water Depth:	-309.00 ft.	
Spud Date:	JANUARY 25 th , 2014	
End Date:	FEBRUARY 18 th , 2014	
Total Depth:	7859 ft. MD (RT); 5461.87 ft. TVD (RT)	
Drilling Contractor / Rig:	PEPESA / P-44	
Drilling Fluids:	MI-SWACO	
Mud logging / Unit:	TGT – LAB	
Well site Geologist:	JOSÉ CORONADO	
TGT-LAB Geologist:	O.OJEDA/A.PELLEGRIN/G.VARGAS	





FORMATION TOPS



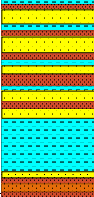
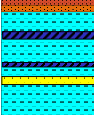

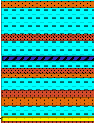
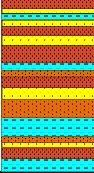
WELL LO16-29D

Elevación RKB: 50 ft

SEA DEPTH: 309'

ROTARY TABLE: 50 ft.	PREDICTED TOPS			LITHOLOGIC TOPS BY SAMPLES		
FORMATION/MEMBER	MD (ft)	DEPTH TVD (ft)	DEPTH	MD (ft)	DEPTH TVD (ft)	DEPTH SSTVD (ft)
	RT (ft)		SSTVD (ft)	RT (ft)		
HELICO	-	-	-	-	-	-
LOBITOS	-	-	-	1621,00	1569,83	-1519,83
CHACRA	3115,00	2600,00	-2550,00	2900,00	2452,74	-2402,74
PARIÑAS	4439,00	3400,00	-3350,00	4157,00	3217,44	-3167,44
PALEGREDA	4841,00	3650,00	-3600,00	5078,00	3777,26	-3727,26
MOGOLLON	6611,00	4750,00	-4700,00	6274,00	4526,21	-4476,21
TOTAL DEPTH	7866,00	5530,0	-5480,0	7859,00	5461,87	-5411,87

STRATIGRAPHIC COLUMN

AGE			FORMATION/MEMBER	THICKNESS (ft)	LITHOLOGY	DESCRIPTION
C E N O Z O I C	T E R T I A R Y	E O C E N E	TALARA	2452,7	 <p>CLAYSTONE: med dk gry, loc olv gry, ea, bicky-sbbicky, sstab i/p, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, n calc-sli calc. SANDSTONE: med gry, mnr med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, sli calc cmt, mod fri-fri, ti i/p, occ drty, loc w/dk mnrls incl, p vis por. N.O.S. SAND: wh, vf-f qtz gr, sbang-sbrnd, hyal, mtrsl, w/ dk lits. CLAYSTONE: med dk gry, olv gry, occ dk gry, ea, bicky-sbbicky, sstab i/p, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, n calc-sli calc, micpyr. SAND: wh, 60% vf, 40% f qtz gr, hyal, trns, sbang-sbrnd, wl srt, loc w/dk lits. SANDSTONE: med gry, loc lt gry, occ med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-fri, loc mod consol, ti i/p, occ drty, loc w/dk mnrls incl, p vis por. N.O.S. CLAYSTONE: olv gry, brnsh gry, loc med dk gry, occ dk gry, ea, bicky-sbbicky, loc sstab, mod frm-mod sft, slty i/p, sli sol, micmic, miccarb i/p, sli calc. SANDSTONE: med lt gry, med gry, occ lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-fri, loc mod consol, ti i/p, occ drty, loc w/dk mnrls, micpyr i/p, p vis por. N.O.S. SILTSTONE: med gry, med drk gry, ea, bicky-sbbicky, amo, mod frm, micmic, miccarb, grad vf sst, sli calc i/p.</p>	CLAYSTONE: med dk gry, loc olv gry, ea, bicky-sbbicky, sstab i/p, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, n calc-sli calc. SANDSTONE: med gry, mnr med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, sli calc cmt, mod fri-fri, ti i/p, occ drty, loc w/dk mnrls incl, p vis por. N.O.S. SAND: wh, vf-f qtz gr, sbang-sbrnd, hyal, mtrsl, w/ dk lits. CLAYSTONE: med dk gry, olv gry, occ dk gry, ea, bicky-sbbicky, sstab i/p, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, n calc-sli calc, micpyr. SAND: wh, 60% vf, 40% f qtz gr, hyal, trns, sbang-sbrnd, wl srt, loc w/dk lits. SANDSTONE: med gry, loc lt gry, occ med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-fri, loc mod consol, ti i/p, occ drty, loc w/dk mnrls incl, p vis por. N.O.S. CLAYSTONE: olv gry, brnsh gry, loc med dk gry, occ dk gry, ea, bicky-sbbicky, loc sstab, mod frm-mod sft, slty i/p, sli sol, micmic, miccarb i/p, sli calc. SANDSTONE: med lt gry, med gry, occ lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-fri, loc mod consol, ti i/p, occ drty, loc w/dk mnrls, micpyr i/p, p vis por. N.O.S. SILTSTONE: med gry, med drk gry, ea, bicky-sbbicky, amo, mod frm, micmic, miccarb, grad vf sst, sli calc i/p.
			CHACRA	764,0	 <p>CLAYSTONE: med dk gry, mnr dk gry, occ olv blk, ea, bicky-sbbicky, mnr sstab, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, v sli calc. DOLOMITE: pal yelsh brn, dk yelsh brn, ea, bicky-sbbicky, sb tab i/p, frm-mod hd, miccarb. SAND: wh, 40% vf, 40% f, 20% m, tr crs&vcrs qtz gr, hyal, trns, sbang-sbrnd, fr srt-p srt, loc w/dk lits. CLAYSTONE: med dk gry, dk gry, ea, bicky-sbbicky, mnr sstab, mod sft-sft, loc mod frm, slty i/p, sli sol, micmic, miccarb, n calc-sli calc.</p>	CLAYSTONE: med dk gry, mnr dk gry, occ olv blk, ea, bicky-sbbicky, mnr sstab, mod sft-mod frm, slty i/p, sli sol, micmic, loc miccarb, v sli calc. DOLOMITE: pal yelsh brn, dk yelsh brn, ea, bicky-sbbicky, sb tab i/p, frm-mod hd, miccarb. SAND: wh, 40% vf, 40% f, 20% m, tr crs&vcrs qtz gr, hyal, trns, sbang-sbrnd, fr srt-p srt, loc w/dk lits. CLAYSTONE: med dk gry, dk gry, ea, bicky-sbbicky, mnr sstab, mod sft-sft, loc mod frm, slty i/p, sli sol, micmic, miccarb, n calc-sli calc.
			PARIÑAS	559,8	 <p>SANDSTONE: It grv, med lt grv, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx i/p, calc cmt, mod fri-fri, loc mod consol, w/dk & qnsh mnrls incl, occ miccarb, p vis por. N.O.S. SAND: wh, 40% vf, 60% f qtz gr, hyal, trns, sbang-sbrnd, wl srt, loc w/dk lits. CLAYSTONE: med dk gry, mnr olv gry, ea, bicky-sbbicky, mnr sstab, mod sft-soft, loc mod frm, slty i/p, sli sol, loc w/coal vn, micmic, miccarb, n calc-v sli calc. SANDSTONE: It gry, med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx i/p, calc cmt, mod fri-fri, loc mod consol, w/dk & grnsh mnrls incl, occ miccarb, p vis por. Fluor: NVOS, Tr-5% pin point pal yel nat fluor, crush, weak, pal, even, pal yel cut fluor, n res ring at nat lt. VPOS</p>	SANDSTONE: It grv, med lt grv, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx i/p, calc cmt, mod fri-fri, loc mod consol, w/dk & qnsh mnrls incl, occ miccarb, p vis por. N.O.S. SAND: wh, 40% vf, 60% f qtz gr, hyal, trns, sbang-sbrnd, wl srt, loc w/dk lits. CLAYSTONE: med dk gry, mnr olv gry, ea, bicky-sbbicky, mnr sstab, mod sft-soft, loc mod frm, slty i/p, sli sol, loc w/coal vn, micmic, miccarb, n calc-v sli calc. SANDSTONE: It gry, med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx i/p, calc cmt, mod fri-fri, loc mod consol, w/dk & grnsh mnrls incl, occ miccarb, p vis por. Fluor: NVOS, Tr-5% pin point pal yel nat fluor, crush, weak, pal, even, pal yel cut fluor, n res ring at nat lt. VPOS
			PALEGREDA	749,0	 <p>SILTSTONE: med gry, med dk gry, ea, bicky-sbbicky, amor, mod frm-frm, loc mod sft, micmic, miccarb, grad vf sst, sli calc. CLAYSTONE: med dk gry, occ olv gry, ea, bicky-sbbicky, sstab i/p, mod frm-mod sft, occ frm, slty i/p, sli sol, micmic, miccarb, micpyr i/p, n calc-v sli calc. SANDSTONE: med gry, mnr med dk gry, vf qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-mod consol, w/dk & gnsh mnrls incl, occ miccarb, p vis por. N.O.S. DOLOMITE: dk yelsh brn, pal yelsh brn, ea-mass, bicky-sbbicky, loc sblam, occ sstab, frm-mod hd, miccarb i/p. SILTSTONE: med gry, med dk gry, ea, bicky-sbbicky, amor i/p, mod frm-frm, micmic, miccarb, grad-vf sst i/p, sli calc i/p. CLAYSTONE: med dk gry, mnr med gry, loc dk gry, ea, bicky-sbbicky, mnr sstab, occ sb lam, amor, mod frm-frm, loc sft, slty i/p, occ sli sol, micmic, miccarb, occ micpyr, n calc-occ sli calc. CLAYSTONE: med dk gry, mnr med gry, loc dk gry, ea, bicky-sbbicky, mnr sstab, occ sb lam, amor, mod frm-frm, loc sft, slty i/p, occ sli sol, micmic, miccarb, occ micpyr, n calc-occ sli calc.</p>	SILTSTONE: med gry, med dk gry, ea, bicky-sbbicky, amor, mod frm-frm, loc mod sft, micmic, miccarb, grad vf sst, sli calc. CLAYSTONE: med dk gry, occ olv gry, ea, bicky-sbbicky, sstab i/p, mod frm-mod sft, occ frm, slty i/p, sli sol, micmic, miccarb, micpyr i/p, n calc-v sli calc. SANDSTONE: med gry, mnr med dk gry, vf qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc cmt, mod fri-mod consol, w/dk & gnsh mnrls incl, occ miccarb, p vis por. N.O.S. DOLOMITE: dk yelsh brn, pal yelsh brn, ea-mass, bicky-sbbicky, loc sblam, occ sstab, frm-mod hd, miccarb i/p. SILTSTONE: med gry, med dk gry, ea, bicky-sbbicky, amor i/p, mod frm-frm, micmic, miccarb, grad-vf sst i/p, sli calc i/p. CLAYSTONE: med dk gry, mnr med gry, loc dk gry, ea, bicky-sbbicky, mnr sstab, occ sb lam, amor, mod frm-frm, loc sft, slty i/p, occ sli sol, micmic, miccarb, occ micpyr, n calc-occ sli calc. CLAYSTONE: med dk gry, mnr med gry, loc dk gry, ea, bicky-sbbicky, mnr sstab, occ sb lam, amor, mod frm-frm, loc sft, slty i/p, occ sli sol, micmic, miccarb, occ micpyr, n calc-occ sli calc.
			MOGOLLON	935,7	 <p>SAND: wh, 70% m, 30% crs, tr vcrs qtz gr, hyal, trns, sbang-sbrnd, wl srt. Fluor: NVOS, 5% - 40% pin point gld yel nat fluor, slw, wk, pal, even, pal yel cut fluor, n res ring at nat lt. P-FOS. SANDSTONE: It gry, med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, scs arg mtrx, calc cmt, mod fri-mod consol, drty i/p, w/dk mnrls incl, p vis por. N.O.S. SAND: wh, 40% f, 60% m, tr crs qtz gr, hyal, trns, sbang-sbrnd, wl srt. CLAYSTONE: med dk gry, mnr dk gry, ea, bicky-sbbicky, mnr sstab, mod frm-mod sft, slty i/p, occ sli sol, micmic, miccarb, n calc-sli calc. SANDSTONE: It gry, v lt gry, f, mnr vf qtz gr, hyal, trns, sbang-sbrnd, wl srt, scs arg mtrx, calc cmt i/p, mod fri-fri, occ mod consol, w/dk mnrls incl, miccarb i/p, p-fr vis por. SAND: wh, 30% f, 50% m, 20% crs qtz gr, hyal, trns, sbang-sbrnd, fr srt. Fluor: NVOS, 5% - 60% pin point gld yel nat fluor, sli fst, wk, pal, even, pal yel cut fluor, n res ring at nat lt. FOS. SANDSTONE: med lt gry, It gry, occ v lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc, mod fri-mod consol, ti i/p, drty i/p, w/dk mnrls incl, miccarb i/p, p vis por. CLAYSTONE: med dk gry, mnr med gry, ea, sbicky-biky, sstab i/p, mnr amor, mod frm-mod sft, loc sft, slty i/p, micmic, miccarb, n calc-sli calc i/p.</p>	SAND: wh, 70% m, 30% crs, tr vcrs qtz gr, hyal, trns, sbang-sbrnd, wl srt. Fluor: NVOS, 5% - 40% pin point gld yel nat fluor, slw, wk, pal, even, pal yel cut fluor, n res ring at nat lt. P-FOS. SANDSTONE: It gry, med lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, scs arg mtrx, calc cmt, mod fri-mod consol, drty i/p, w/dk mnrls incl, p vis por. N.O.S. SAND: wh, 40% f, 60% m, tr crs qtz gr, hyal, trns, sbang-sbrnd, wl srt. CLAYSTONE: med dk gry, mnr dk gry, ea, bicky-sbbicky, mnr sstab, mod frm-mod sft, slty i/p, occ sli sol, micmic, miccarb, n calc-sli calc. SANDSTONE: It gry, v lt gry, f, mnr vf qtz gr, hyal, trns, sbang-sbrnd, wl srt, scs arg mtrx, calc cmt i/p, mod fri-fri, occ mod consol, w/dk mnrls incl, miccarb i/p, p-fr vis por. SAND: wh, 30% f, 50% m, 20% crs qtz gr, hyal, trns, sbang-sbrnd, fr srt. Fluor: NVOS, 5% - 60% pin point gld yel nat fluor, sli fst, wk, pal, even, pal yel cut fluor, n res ring at nat lt. FOS. SANDSTONE: med lt gry, It gry, occ v lt gry, vf-f qtz gr, hyal, trns, sbang-sbrnd, wl srt, arg mtrx, calc, mod fri-mod consol, ti i/p, drty i/p, w/dk mnrls incl, miccarb i/p, p vis por. CLAYSTONE: med dk gry, mnr med gry, ea, sbicky-biky, sstab i/p, mnr amor, mod frm-mod sft, loc sft, slty i/p, micmic, miccarb, n calc-sli calc i/p.
			TOTAL DEPTH: 7859.00 ft. MD (RT), 5461.87 ft. TVD (RT)			

STRATIGRAPHIC SEQUENCE

WELL: LO16-29D

The Stratigraphy Column expected in this well was the same according to correlations with the original prognosis, consists of the following Formations and Members: Talara, Chacra, Pariñas, Palegreda, Mogollon of Eocene Tertiary age.

TGT LAB started logging into Talara Formation at 480 feet to the total depth on Mogollon at 7859 feet MD; 5461.87 feet TVD.

CENOZOIC

TERTIARY

EOCENE

TALARA FORMATION

HELICO MEMBER

Interval: 0 to 1621 feet

The lithology at the upper section was conformed by Claystone intercalated with Sandstone and Sand.

Claystone: medium dark gray, olive gray, locally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.

Sandstone: medium gray, locally light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.

Sand: white, occasionally smoky 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.

At the lower section the lithology was conformed predominantly by Sand, with some intercalations of Sandstone and thin layers of claystone.

Sand: white, 20% very fine, 30% fine, 30% medium, 20% coarse, traces very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.

Sandstone: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.

Claystone: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.

Accessories: Calcite, pyrite, dolomite, shell fragment, coal, calcareous fragments.

LOBITOS MEMBER

Interval: 1621 to 2900 feet

The lithology in this formation was conformed predominantly by Claystone with some intercalations of Siltstone, small lens of Sandstone and Sand.

At the upper and middle section the lithology was conformed predominantly by Claystone and very thin Sand lenses.

Claystone: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous.

Sand: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.

In the lower section the lithology was conformed mainly by Claystone and Siltstone, intercalated with small lenses Sandstone and Sand.

Claystone: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.

Siltstone: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.

Sandstone: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show.

Sand: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.

Accessories: calcite, pyrite, dolomite, coal.

CHACRA FORMATION

Interval: 2900 to 4157 feet

The lithology in this formation was conformed mainly by Claystone with some intercalations Sandstone, Sand and horizons of Dolomite.

At the upper and middle section the lithology was conformed mainly by Claystone, intercalated with small lenses of Sand, Sandstone and Dolomite.

Claystone: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.

Sand: white, 40% very fine, 40% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.

Sandstone: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.

Dolomite: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.

At the lower section the lithology was conformed predominantly by Claystone with some horizons of Sand.

Claystone: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.

Sand: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. No Oil Show.

Accessories: calcite, coal, dolomite, pyrite.

PARIÑAS FORMATION

Interval: 4157 to 5078 feet

The lithology in this formation is constituted mainly by Claystone, with some intercalations Sandstone, Sand.

At the upper and middle section the lithology was conformed mainly by Claystone, intercalated with Sandstone and Sand.

Claystone: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.

Sandstone: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.

Sand: white, 40% very fine, 50% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.

At the lower section the lithology was conformed predominantly by Claystone, intercalated with Sandstone.

Claystone: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.

Sandstone: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity.

Fluorescence: NVOS, traces to 5% pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.

Accessories: calcite, pyrite, dolomite, coal.

PALEGREDA FORMATION

Interval: 5078 to 6274 feet

The lithology in this formation was conformed predominantly by Claystone with some intercalations of Siltstone, small lens of Sandstone and Limestone.

Claystone: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.

Siltstone: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.

Sandstone: medium gray, medium light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately consolidate a moderately friable, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.

Limestone: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.

Accessories: calcite, pyrite, limestone, coal, glauconite.

MOGOLLON FORMATION

Interval: 6274 to 7859 feet

The lithology in this formation was conformed mainly by Sand, Sandstone, Claystone, and intercalations of Siltstone.

At the upper section the lithology was conformed mainly by Sand, Sandstone and Claystone.

Sand: white, 70% medium, 30% coarse, traces of very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.

Sandstone: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity.

Fluorescence: NVOS, 5% - 40% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. P-FOS.

Claystone: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.

At the middle section the lithology was conformed mainly by Sand, Sandstone, Claystone intercalated with Siltstone.

Sand: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.

Sandstone: light gray, very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, moderately friable to friable, occasionally tight, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity.

Fluorescence: NVOS, 5% - 60% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. P-FOS.

Claystone: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.

Siltstone: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.

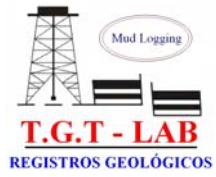
At the lower section the lithology was conformed by Claystone with some intercalations of Sandstone, Sand and small lens of Siltstone.

Claystone: medium dark gray, minor medium gray, locally grayish black, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.

Sandstone: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows.

Sand: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.

Siltstone: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.



Accessories: calcite, pyrite, coal, dolomite, slickenside, shell fragments, calcareous fragments.

LITHOLOGICAL DESCRIPTION

WELL: LO16-29D

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
Started logging & Monitoring Data from 480 feet on January 25 th , 2014 In Helico Mbr. (Talara Group)			
480 – 510	100	CLAYSTONE: medium dark gray, locally olive gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite. Note: Sample contaminated with 20% cement.	
510 – 540	80 20	CLAYSTONE: medium dark gray, locally olive gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, slightly calcareous cement, moderately friable to friable, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, dolomite.	
540 – 570	70 20 10	CLAYSTONE: olive gray, medium dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, slightly calcareous cement, moderately friable to friable, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show. SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	
570 – 600	60 20 20	CLAYSTONE: olive gray, medium dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, slightly calcareous cement, moderately friable to friable, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show. SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
600 – 630	50	CLAYSTONE: olive gray, medium dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	20	SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	
630 – 660	40	CLAYSTONE: olive gray, medium dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	30	SAND: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite, pyrite.	
660 – 690	50	CLAYSTONE: olive gray, medium dark gray, dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to very slightly calcareous.	
	30	SANDSTONE: medium gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	20	SAND: white, occasionally smoky 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite.	
690 – 720	40	CLAYSTONE: medium dark gray, olive gray, locally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyritized, poor visual porosity. No Oil Show. SAND: white, occasionally smoky, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite.	
720 – 750	40	CLAYSTONE: medium dark gray, olive gray, locally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: medium gray, locally light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	20	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	
750 – 780	50	SANDSTONE: medium gray, locally light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, olive gray, locally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, occasionally smoky, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite.	
780 – 810	40	SANDSTONE: medium gray, locally light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	40	CLAYSTONE: medium dark gray, olive gray, locally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, occasionally smoky, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	TR	DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, massive, blocky to subblocky, sub tabular in part, firm to moderately	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		hard, microcarbonaceous. Accessories: calcite.	
810 – 840	40	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	40	CLAYSTONE: medium dark gray, olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous, micropyritized.	
	20	SAND: white, occasionally smoky, 60% very fine, 40% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite.	
840 – 870	50	CLAYSTONE: medium dark gray, olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyritized, poor visual porosity. No Oil Show.	
	20	SAND: white, occasionally smoky, 70% very fine, 30% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite.	
870 – 900	50	CLAYSTONE: medium dark gray, olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyritized, poor visual porosity. No Oil Show.	
	20	SAND: white, occasionally smoky, 60% very fine, 40% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite.	
900 – 930	40	CLAYSTONE: medium dark gray, olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	30	SAND: white, 60% very fine, 40% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	
930 – 960	60	CLAYSTONE: medium dark gray, olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, poor visual porosity. No Oil Show.	
	10	SAND: white, 60% very fine, 40% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, dolomite.	
960 – 990	50	CLAYSTONE: medium dark gray, locally dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: coal, pyrite.	
990 – 1020	50	CLAYSTONE: medium dark gray, locally dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	<p>light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.</p> <p>SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: coal, pyrite.</p>	
1020 – 1050	50	<p>CLAYSTONE: medium dark gray, locally dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.</p>	
	40	<p>SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.</p>	
	10	<p>SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: coal, pyrite, dolomite, calcite.</p>	
1050 – 1080	50	<p>CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.</p>	
	40	<p>SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.</p>	
	10	<p>SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: coal, pyrite, dolomite.</p>	
1080 – 1110	50	<p>CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.</p>	
	30	<p>SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix,</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show. SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, dolomite.	
1110 – 1140	60	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, dolomite.	
1140 – 1170	50	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, dolomite.	
1170 – 1200	70	SAND: white, 40% very fine, 30% fine, 30% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics.	
	20	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. Accessories: pyrite.	
1200 – 1230	50	SAND: white, 50% very fine, 30% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics.	
	40	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	10	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
1230 – 1260	40	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	40	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
1260 – 1290	40	CLAYSTONE: medium dark gray, locally olive gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	SAND: white, 50% very fine, 30% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
1290 – 1320	40	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	30	SANDSTONE: medium gray, locally medium light gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	30	SAND: white, 50% very fine, 30% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
1320 – 1350	40	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	40	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 60% very fine, 30% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
1350 – 1380	50	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	20	SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite.	
1380 – 1410	70	SAND: white, 20% very fine, 40% fine, 40% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	sorted to fair, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	10	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal.	
1410 – 1440	40	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	30	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics.	
	30	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal.	
1440 – 1470	40	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	30	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, tight in part, occasionally dirty, locally with dark minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal.	
1470 – 1500	60	SAND: white, 20% very fine, 30% fine, 30% medium, 20% coarse, traces very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.	
	40	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyrritic in part, poor visual porosity. No Oil Show.	
	Tr	CLAYSTONE: olive gray, medium dark gray, occasionally dark	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal.	
1500 – 1530	60	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyrictic in part, poor visual porosity. No Oil Show.	
	40	SAND: white, 20% very fine, 30% fine, 20% medium, 20% coarse, 10% very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.	
	Tr	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal.	
1530 – 1560	60	SAND: white, 20% very fine, 30% fine, 20% medium, 20% coarse, 10% very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.	
	40	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyrictic in part, poor visual porosity. No Oil Show.	
	Tr	CLAYSTONE: olive gray, medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal, shell fragments, calcareous fragments.	
1560 – 1590	40	SAND: white, 20% very fine, 30% fine, 20% medium, 20% coarse, 10% very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.	
	40	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyrictic in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. Accessories: calcite, pyrite, coal, shell fragments, calcareous fragments.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
1590 – 1620	40	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular to amorphous in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous.	
	30	SAND: white, 30% very fine, 40% fine, 20% medium, 10% coarse to very coarse quartz grain, hyaline, translucent, subangular to subrounded, poor sorted, locally with dark lithics.	
	30	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, micropyritic in part, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, coal, shell fragments, calcareous fragments.	
LOBITOS Mbr. (Talara Group). TOP. AT 1621.00 ft. MD (RT); 1569.83 ft. TVD (RT)			
1620 – 1650	70	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous.	
	20	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show.	
	10	SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted to fair sorted, locally with dark lithics. Accessories: calcite, pyrite, coal, calcareous fragments.	
1650 – 1680	90	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous.	
	10	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, pyrite, coal, calcareous fragments.	
1680 – 1710	90	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10 Tr	micromicaceous, microcarbonaceous in part, slightly calcareous. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 30% fine, 30% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics. Accessories: calcite, pyrite, coal.	
1710 – 1740	100 Tr Tr	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 30% fine, 30% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics. Accessories: calcite, coal.	
1740 – 1770	100	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. Accessories: calcite, coal.	
1770 – 1800	100	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. Accessories: calcite, coal.	
1800 – 1830	100	CLAYSTONE: olive gray, brownish gray, minor medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. Accessories: calcite, coal.	
1830 – 1860	100 Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal.	
1860 – 1890	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	part, moderately firm to firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SAND: white, 50% very fine, 50% fine, traces medium, quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
1890 – 1920	100 Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: coal.	
1920 – 1950	90 10 Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SAND: white, 50% very fine, 50% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
1950 – 1980	90 10 Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous. SAND: white, 70% very fine, 30% fine, traces medium and coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
1980 – 2010	90 10 Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, very slightly calcareous. SAND: white, 70% very fine, 30% fine, traces medium and coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2010 – 2040	90	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, very slightly calcareous.	
	10	SAND: white, 70% very fine, 30% fine, traces medium and coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: coal, pyrite.	
2040 – 2070	90	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous.	
	10	SAND: white, 70% very fine, 30% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	Tr	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2070 – 2100	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous.	
	Tr	SAND: white, 80% very fine, 20% fine, traces medium and coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	Tr	SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2100 – 2130	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous in part, slightly calcareous.	
	Tr	SAND: white, 80% very fine, 20% fine, traces medium and coarse quartz grain, hyaline, translucent, subangular to subrounded, well	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	sorted, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2130 – 2160	100 Tr Tr	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, occasionally dark gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite, dolomite.	
2160 – 2190	100 Tr	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite, dolomite, microfossils.	
2190 – 2220	100 Tr	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. SANDSTONE: medium light gray, medium gray, occasionally light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, occasionally dirty, locally with dark and green minerals inclusions, poor visual porosity. No Oil Show. Accessories: coal, pyrite, dolomite, microfossils.	
2220 – 2250	100	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: coal, pyrite, dolomite, microfossils.	
2250 – 2280	100	CLAYSTONE: olive gray, brownish gray, locally medium dark gray,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: coal, pyrite, dolomite.	
2280 – 2310	100	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: coal, pyrite, dolomite.	
2310 – 2340	100	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: coal, pyrite, dolomite.	
2340 – 2370	100	CLAYSTONE: olive gray, brownish gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Note: Sample contaminated with 90% cement.	
2370 – 2400	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite. Note: Sample contaminated with 20% cement.	
2400 – 2430	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite.	
2430 – 2460	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite.	
2460 – 2490	100	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: calcite.	
2490 – 2520	90 10	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal.	
2520 – 2550	50	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	20	SAND: white, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics Accessories: calcite, coal.	
2550 – 2580	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	10	SAND: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcite, coal, pyrite.	
2580 – 2610	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	10	SAND: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcite, coal, pyrite.	
2610 – 2640	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	40	micromicaceous, locally microcarbonaceous, slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2640 – 2670	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2670 – 2700	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: coal, pyrite, calcite.	
2700 – 2730	50	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	30	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	calcareous. SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: coal, pyrite.	
2730 – 2760	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite.	
2760 – 2790	50	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal.	
2790 – 2820	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. SAND: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, calcite, coal.	
2820 – 2850	40	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show.	
	10	SAND: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, calcite, coal.	
2850 – 2880	60	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal.	
CHACRA Formation. TOP. AT 2900.00 ft. MD (RT); 2452.74 ft. TVD (RT)			
2880 – 2910	60	CLAYSTONE: brownish gray, olive gray, locally medium dark gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	micromicaceous, locally microcarbonaceous, very slightly calcareous. SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, very fine to fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: pyrite, calcite, coal, dolomite.	
2910 – 2940	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal, dolomite.	
2940 – 2970	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	10	DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.	
	Tr	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal, dolomite.	
2970 – 3000	90	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular, subplaty in part, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous.	
	10	DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.	
	Tr	SANDSTONE: light gray, medium light gray, minor very light gray,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark minerals inclusions, occasionally microcarbonaceous, micropyritized in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal, dolomite.	
3000 – 3030	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular to sublaminar, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. Accessories: dolomite, calcite, coal.	
3030 – 3060	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular to sublaminar, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. Accessories: dolomite, calcite, coal.	
3060 – 3090	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. Accessories: dolomite, calcite, coal.	
3090 – 3120	90 10	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal.	
3120 – 3150	90 10	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal.	
3150 – 3180	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, very slightly calcareous. Accessories: dolomite, calcite, coal.	
3180 – 3210	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, locally microcarbonaceous, slightly calcareous. Accessories: dolomite, calcite, coal.	
3210 – 3240	100	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive black, earthy, blocky to subblocky, minor subtabular to amorphous, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: dolomite, calcite, coal.	
3240 – 3270	100	CLAYSTONE: CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: dolomite, calcite, coal.	
3270 – 3300	100	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: dolomite, calcite, coal.	
3300 – 3330	90 10	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal.	
3330 – 3360	90 10	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal.	
3360 – 3390	100	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: dolomite, calcite, coal.	
3390 – 3420	100	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		<p>silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: dolomite, calcite, coal.</p>	
3420 – 3450	100	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: dolomite, calcite, coal.</p>	
3450 – 3480	90 10	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, coal.</p>	
3480 – 3510	90 10	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, coal.</p>	
3510 – 3540	100	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: dolomite, calcite, coal.</p>	
3540 – 3570	100	<p>CLAYSTONE: medium dark gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: dolomite, calcite, coal.</p>	
3570 – 3600	100	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: dolomite, calcite, coal.</p>	
3600 – 3630	90	<p>CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous,</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	non calcareous to slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal.	
3630 – 3660	100 TR	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, coal, pyrite.	
3660 – 3690	60 30 10	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
3690 – 3720	50 30 20	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse and very coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted to poor sorted, locally with dark lithics. SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
3720 – 3750	60	CLAYSTONE: medium dark gray, brownish gray, minor dark gray, locally pale yellowish brown, occasionally olive black, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse and very coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted to poor sorted, locally with dark lithics.	
	20	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
3750 – 3780	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	Tr	SAND: white, 40% very fine, 40% fine, 20% medium, traces coarse and very coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted to poor sorted, locally with dark lithics.	
	Tr	SANDSTONE: light gray, medium light gray, minor very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, dolomite.	
3780 – 3810	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, dolomite.	
3810 – 3840	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, dolomite.	
3840 – 3870	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, dolomite.	
3870 – 3900	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, dolomite.	
3900 – 3930	90	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SAND: white, 50% very fine, 50% fine quartz grain, hyaline,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		translucent, subangular to subrounded, well sorted, locally with dark lithics. No Oil Show. Accessories: calcite, pyrite, dolomite.	
3930 – 3960	90 10	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SAND: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. No Oil Show. Accessories: calcite, pyrite, dolomite.	
3960 – 3990	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
3990 – 4000	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4000 – 4010	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4010 – 4020	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4020 – 4030	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4030 – 4040	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4040 – 4050	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4050 – 4060	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4060 – 4070	90 10	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4070 – 4080	90 10	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4080 – 4090	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4090 – 4100	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4100 – 4110	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4110 – 4120	100	CLAYSTONE: medium dark gray, dark gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4120 – 4130	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
4130 – 4140	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4140 – 4150	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
PARÍNAS Formation. TOP. AT 4157.00 ft. MD (RT); 3217.44 ft. TVD (RT)			
4150 – 4160	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4160 – 4170	80 10 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4170 – 4180	60 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	<p>friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>SAND: white, 50% very fine, 50% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: calcite, coal, pyrite.</p>	
4180 – 4190	70	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p>	
	20	<p>SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p>	
	10	<p>SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: calcite, coal, pyrite.</p>	
4190 – 4200	60	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p>	
	20	<p>SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p>	
	20	<p>SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.</p> <p>Accessories: calcite, coal, pyrite.</p>	
4200 – 4210	60	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p>	
	20	<p>SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p>	
	20	<p>SAND: white, 40% very fine, 50% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		with dark lithics. Accessories: calcite, coal, pyrite.	
4210 – 4220	60 20 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 50% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4220 – 4230	60 30 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 50% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4230 – 4240	70 20 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4240 – 4250	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 Tr	moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4250 – 4260	80 20 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4260 – 4270	70 20 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4270 – 4280	60 30	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4280 – 4290	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4290 – 4300	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4300 – 4310	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite.	
4310 – 4320	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
4320 – 4330	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal.	
4330 – 4340	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite.	
4340 – 4350	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal. NOTE: SAMPLE CONTAMINATED WITH CHEMICAL	
4350 – 4360	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal. NOTE: SAMPLE CONTAMINATED WITH CHEMICAL	
4360 – 4370	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		<p>friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal.</p> <p>NOTE: SAMPLE CONTAMINATED WITH CHEMICAL</p>	
4370 – 4380	100	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p> <p>Accessories: calcite, coal.</p>	
4380 – 4390	90 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal.</p>	
4390 – 4400	90 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal.</p>	
4400 – 4410	80 10 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>SAND: white, 40% very fine, 40% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted, locally with dark lithics.</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, coal, pyrite.	
4410 – 4420	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
4420 – 4430	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
4430 – 4440	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
4440 – 4450	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
4450 – 4460	100 Tr	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal.</p>	
4460 – 4470	90 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, pyrite, coal.</p>	
4470 – 4480	90 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, pyrite, coal.</p>	
4480 – 4490	90 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, pyrite.</p>	
4490 – 4500	90	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
4500 – 4510	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4510 – 4520	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
4520 – 4530	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, dolomite.	
4530 – 4540	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately soft to soft, locally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	moderately firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, dolomite.	
4540 – 4550	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4550 – 4560	100 TR	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4560 – 4570	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4570 – 4580	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4580 – 4590	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, coal.	
4590 – 4600	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, locally firm, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, dolomite.	
4600 – 4610	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4610 – 4620	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
4620 – 4630	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. Accessories: calcite, pyrite, dolomite.	
4630 – 4640	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4640 – 4650	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4650 – 4660	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. . Accessories: calcite, pyrite.	
4660 – 4670	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4670 – 4680	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite.	
4680 – 4690	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
4690 – 4700	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.	
	Tr	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4700 – 4710	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous.	
	Tr	SANDSTONE: light gray, medium light gray, very fine to fine quartz	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4710 – 4720	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4720 – 4730	90 10 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4730 – 4740	100 Tr Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, locally with coal veinlets, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4740 – 4750	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4750 – 4760	80 10 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, dolomite.	
4760 – 4770	90 10 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, dolomite.	
4770 – 4780	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
4780 – 4790	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4790 – 4800	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
4800 – 4810	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
4810 – 4820	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
4820 – 4830	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
4830 – 4840	70 30	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
4840 – 4850	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4850 – 4860	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4860 – 4870	70 30	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, coal, pyrite, dolomite.	
4870 – 4880	60	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	10	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4880 – 4890	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4890 – 4900	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4900 – 4910	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4910 – 4920	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, pyrite, dolomite.	
4920 – 4930	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
		Accessories: calcite, coal, pyrite, dolomite.	
4930 – 4940	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	
		Accessories: calcite, coal, pyrite, dolomite.	
4940 – 4950	70	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4950 – 4960	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4960 – 4970	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4970 – 4980	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, dolomite.	
4980 – 4990	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, coal, pyrite, dolomite.	
4990 – 5000	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal, pyrite, dolomite.</p>	
5000 – 5010	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal, pyrite, dolomite.</p>	
5010 – 5020	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity.</p> <p>Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.</p> <p>Accessories: calcite, coal, pyrite, dolomite.</p>	TR
5020 – 5030	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity.</p> <p>Fluorescence: NVOS, 5% pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence,</p>	5

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		non residual ring at natural light. VPOS. Accessories: calcite, coal, pyrite, dolomite.	
5030 – 5040	70 30	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. Fluorescence: NVOS, 5% pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. Accessories: calcite, coal, pyrite, dolomite.	5
5040 – 5050	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. Accessories: calcite, coal, pyrite, dolomite.	TR
5050 – 5060	70 30	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. Accessories: calcite, pyrite.	TR
5060 – 5070	80 20	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, very fine to fine quartz	TR

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, crush, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. Accessories: calcite, pyrite.	
PALEGREDA Formation. TOP. AT 5078.00 ft. MD (RT); 3777.26 ft. TVD (RT)			
5070 – 5080	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite.	
5080 – 5090	80 10 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, dolomite.	
5090 – 5100	80 10 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, dolomite, coal.	
5100 – 5110	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>Accessories: calcite, dolomite.</p>	
5110 – 5120	80 20	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>Accessories: calcite, dolomite.</p>	
5120 – 5130	80 10 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, dolomite, coal.</p>	
5130 – 5140	80 10 10	<p>CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.</p> <p>Accessories: calcite, coal.</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5140 – 5150	90	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, coal.	
5150 – 5160	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
5160 – 5170	80	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	10	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite.	
5170 – 5180	80	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, coal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5180 – 5190	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. Accessories: calcite, coal, dolomite.	
5190 – 5200	80 20	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite.	
5200 – 5210	70 30	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, minor subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite, coal.	
5210 – 5220	70 30	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, locally subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite.	
5220 – 5230	90 10	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, locally subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite, coal.	
5230 – 5240	90	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, locally subtabular, moderately firm to moderately soft, silty in part, slightly soluble, micromicaceous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	microcarbonaceous, non calcareous to slightly calcareous in part, occasionally micropyritized. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcitel, dolomite.	
5240 – 5250	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, occasionally firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous. Accessories: calcitel, dolomite, coal.	
5250 – 5260	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, occasionally firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous, locally with coal veinlets. Accessories: calcitel, dolomite, coal.	
5260 – 5270	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to moderately soft, occasionally firm, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous, locally with coal veinlets. Accessories: calcitel, coal.	
5270 – 5280	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized in part, non calcareous to very slightly calcareous, locally with coal veinlets. Accessories: calcitel, coal.	
5280 – 5290	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: dolomite, calcitel, coal.	
5290 – 5300	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: dolomite, calcitel, coal.	
5300 – 5310	90	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcitel, pyrite.	
5310 – 5320	80	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	10	SANDSTONE: medium light gray, occasionally light gray very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcitel, pyrite.	
5320 – 5330	80	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcitel, pyrite.	
5330 – 5340	80	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcitel, pyrite.	
5340 – 5350	90	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcitel, pyrite.	
5350 – 5360	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcitel, coal.	
5360 – 5370	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcitel, coal.	
5370 – 5380	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcite, coal.	
5380 – 5390	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcite, coal.	
5390 – 5400	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcite, coal.	
5400 – 5410	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous, occasionally with coal veinlets. Accessories: calcite, coal.	
5410 – 5420	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcitel, coal.	
5420 – 5430	90 10	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		very fine sandstone, slightly calcareous. Accessories: calcite, coal, dolomite.	
5430 – 5440	90 10	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, coal, dolomite.	
5440 – 5450	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, occasionally subtabular, amorphous in part, moderately firm to moderately soft, firm in part, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized, occasionally with veins coal, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite,pyrite.	
5450 – 5460	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, occasionally subtabular, amorphous in part, moderately firm to moderately soft, firm in part, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized, occasionally with veins coal, non calcareous to very slightly calcareous. SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, coal, dolomite,pyrite.	
5460 – 5470	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, blocky to subblocky, occasionally subtabular, amorphous in part, moderately firm to moderately soft, firm in part, silty in part, slightly soluble, micromicaceous, microcarbonaceous, micropyritized, occasionally with veins coal, non calcareous to very slightly calcareous. Accessories: calcite, coal, dolomite,pyrite.	
5470 – 5480	90 10	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, coal, dolomite.	
5480 – 5490	90 10	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. Accessories: calcite, coal, dolomite.	
5490 - 5500	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal.	
500 – 5510	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to very slightly calcareous. Accessories: calcite, coal.	
5510 – 5520	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal.	
5520 – 5530	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal.	
5530 – 5540	100	CLAYSTONE: medium dark gray, occasionally olive gray, earthy, blocky to subblocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal.	
5540 – 5550	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal. Note: Sample contaminated with 70% cement.	
5550 – 5560	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal. Note: Sample contaminated with 20% cement and traces shaving metal.	
5560 – 5570	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal. Note: Sample contaminated with 20% cement and traces shaving metal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5570 – 5580	100	CLAYSTONE: medium dark gray, dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite. Note: Sample contaminated with traces shaving metal.	
5580 – 5590	100	CLAYSTONE: medium dark gray, dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. Accessories: calcite. Note: Sample contaminated with traces shaving metal.	
5590 – 5600	80 20	CLAYSTONE: medium dark gray, dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, locally with glauconite inclusions, slightly calcareous. SAND: white, 40% very fine, 60% fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, locally with dark lithics. Accessories: calcite, coal, glauconite. Note: Sample contaminated with traces shaving metal.	
5600 – 5610	100	CLAYSTONE: medium dark gray, dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, locally with glauconite inclusions, slightly calcareous. Accessories: calcite, coal, glauconite. Note: Sample contaminated with traces shaving metal.	
5610 – 5620	100	CLAYSTONE: medium dark gray, dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. Accessories: calcite, coal, dolomite, glauconite. Note: Sample contaminated with 10% shaving metal.	
5620 – 5630	100	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. Accessories: calcite, coal, dolomite, glauconite. Note: Sample contaminated with 10% shaving metal.	
5630 – 5640	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous in part.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, coal, dolomite, glauconite. Note: Sample contaminated with 10% shaving metal.	
5640 – 5650	90 10	CLAYSTONE: medium dark gray, minor olive gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous in part. Accessories: calcite, coal, dolomite, glauconite. Note: Sample contaminated with 10% shaving metal.	
5650 – 5660	100 Tr	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous in part. Accessories: calcite, coal, dolomite, glauconite. Note: Sample contaminated with 5% shaving metal.	
5660 – 5670	90 10	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite, coal. Note: Sample contaminated with 5% shaving metal.	
5670 – 5680	80 20	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite, coal. Note: Sample contaminated with 5% shaving metal.	
5680 – 5690	80	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous. Accessories: calcite, dolomite, limestone, coal. Note: Sample contaminated with 5% shaving metal.	
5690 – 5700	70	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, subtabular in part, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous.	
	10	LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal. Note: Sample contaminated with 5% shaving metal.	
5700 – 5710	60	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, minor sub laminae, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous.	
	10	LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal. Note: Sample contaminated with 5% shaving metal.	
5710 – 5720	70	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, minor sub laminae, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous.	
	10	LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminae, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal. Note: Sample contaminated with 5% shaving metal.	
5720 – 5730	80	CLAYSTONE: medium dark gray, minor olive gray, occasionally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 Tr	<p>dark gray, earthy, subblocky to blocky, minor sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous.</p> <p>LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, dolomite, coal.</p> <p>Note: Sample contaminated with 5% shaving metal.</p>	
5730 – 5740	70 30 Tr	<p>CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, minor sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, occasionally grading to very fine sandstone, slightly calcareous.</p> <p>LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, dolomite, coal.</p> <p>Note: Sample contaminated with 5% shaving metal.</p>	
5740 – 5750	60 40 Tr	<p>CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, subblocky to blocky, minor sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>Accessories: calcite, limestone, dolomite, coal.</p> <p>Note: Sample contaminated with traces shaving metal.</p>	
5750 – 5760	60 40 Tr	<p>CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, subblocky to blocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.</p> <p>SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5760 – 5770	50	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	10	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5770 – 5780	50	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	10	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5780 – 5790	60	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	Tr	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5790 – 5800	60 30 10	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5800 – 5810	60 30 10	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5810 – 5820	60 40 Tr	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5820 – 5830	70	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	Tr	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5830 – 5840	70	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	Tr	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5840 – 5850	70	CLAYSTONE: medium dark gray, minor olive gray, occasionally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty, occasionally slightly soluble, micromicaceous, microcarbonaceous, slightly calcareous in part.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, locally moderately soft, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous.	
	Tr	SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5850 – 5860	80	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 Tr	occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5860 – 5870	80 20 Tr	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5870 – 5880	70 20 10 Tr	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium gray, minor medium dark gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. DOLOMITE: pale yellowish brown, dark yellowish brown, earthy, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal. Note: Sample contaminated with traces shaving metal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5880 – 5890	70	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	SANDSTONE: medium gray, medium light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark and greenish minerals inclusions, occasionally microcarbonaceous, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5890 – 5900	60	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	20	SANDSTONE: medium gray, medium light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately consolidate a moderately friable, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5900 – 5910	70	CLAYSTONE: medium dark gray, minor dark gray, occasionally olive gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	SANDSTONE: medium gray, medium light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately consolidate a moderately friable, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5910 – 5920	70	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	SANDSTONE: medium gray, medium light gray, occasionally light brownish gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately consolidate a moderately friable, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, limestone, dolomite, coal. Note: Sample contaminated with traces shaving metal.	
5920 – 5930	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	TR
	30	SANDSTONE: medium light gray, light greenish gray, minor medium gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, limestone, dolomite, coal, glauconite. Note: Sample contaminated with traces shaving metal.	
5930 – 5940	60	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	TR
	20	SANDSTONE: medium light gray, light greenish gray, minor medium gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Fluorescence: NVOS, traces pin point pale yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal, glauconite. Note: Sample contaminated with traces shaving metal.	
5940 – 5950	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light greenish gray, minor medium gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	Tr	LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal.	
5950 – 5960	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, light greenish gray, minor medium gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	Tr	LIMESTONE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, dolomite, coal.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
5960 – 5970	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
5970 – 5980	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
5980 – 5990	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcite, dolomite, limestone, coal.	
5990 – 6000	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
6000 – 6010	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, dolomite, limestone, coal.	
6010 – 6020	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, dolomite, coal.	
6020 – 6030	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10 Tr	sandstone in part, slightly calcareous in part. SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal.	
6030 – 6040	60 30 10 Tr	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal.	
6040 – 6050	70 20 10	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6050 – 6060	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 10 Tr	<p>sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, occasionally with glauconite inclusions, micromicaceous, microcarbonaceous, non calcareous to occasionally slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.</p> <p>DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, limestone, coal, pyrite.</p>	
6060 – 6070	80 20 Tr Tr	<p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.</p> <p>DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part.</p> <p>Accessories: calcite, limestone, coal, pyrite.</p>	
6070 – 6080	80 20 Tr	<p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6080 – 6090	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	Tr	DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal, pyrite.	
6090 – 6100	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminar, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal, pyrite.	
6100 – 6110	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal, pyrite.	
6110 – 6120	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal, pyrite.	
6120 – 6130	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	DOLOMITE: dark yellowish brown, pale yellowish brown, earthy to massive, blocky to subblocky, locally sublaminal, occasionally subtabular, firm to moderately hard, microcarbonaceous in part. Accessories: calcite, limestone, coal, pyrite.	
6130 – 6140	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6140 – 6150	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6150 – 6160	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, minor medium gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately consolidate a moderately friable, with glauconite and dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6160 – 6170	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal, pyrite.	
6170 – 6180	50	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	TR
	30	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, traces pin point gold yellow natural	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	<p>fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>Accessories: calcite, dolomite, limestone, coal.</p>	
6180 – 6190	60	<p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p>	
	20	<p>SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.</p>	
	20	<p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>Accessories: calcite, dolomite, limestone, coal.</p>	
6190 – 6200	70	<p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p>	
	20	<p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p>	
	10	<p>SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.</p> <p>Accessories: calcite, dolomite, limestone, coal.</p>	
6200 – 6210	90	<p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p>	
	10	<p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	sandstone in part, slightly calcareous in part. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
6210 – 6220	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
6220 – 6230	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
6230 – 6240	100	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, dolomite, limestone, coal.	
6240 – 6250	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, coal.	
6250 – 6260	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm to firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	Tr	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable a moderately consolidate, with dark minerals and glauconite inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcite, coal, pyrite.	
6260 – 6270	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.	
	10	SAND: white, very fine to fine, traces medium quartz grain, hyaline,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show Accessories: calcite, coal, pyrite.	
MOGOLLON Formation. TOP. AT 6274.00 ft. MD (RT); 4526.21 ft. TVD (RT)			
6270 – 6280	50 30 20	SAND: white, 30% fine, 50% medium, 20% coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS. CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous. Accessories: calcite, coal, pyrite.	10
6280 – 6290	70 20 10	SAND: white, 20% fine, 60% medium, 20% coarse quartz grain, hyaline, translucent, subangular to subrounded, fair to well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. Fluorescence: NVOS, 40% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS. CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous. Accessories: calcite, coal, pyrite.	40
6290 – 6300	70 20	SAND: white, 70% medium, 30% coarse, traces de very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to	10

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	<p>moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity.</p> <p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	
6300 – 6310	70	SAND: white, 70% medium, 30% coarse, traces de very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	10
	20	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity.	
	10	<p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	
6310 – 6320	60	SAND: white, 70% medium, 30% coarse, traces de very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	10
	20	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity.	
	20	<p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to occasionally slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	
6320 – 6330	50	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally	5

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous. SAND: white, 70% medium, 30% coarse, traces de very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	20	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS. Accessories: calcite, coal, pyrite.	
6330 – 6340	60	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, occasionally sub laminar, amorphous, moderately firm to firm, locally soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to occasionally slightly calcareous.	
	20	SAND: white, 20% fine, 70% medium, 10% coarse, traces de very coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	20	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6340 – 6350	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6350 – 6360	80	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6360 – 6370	90	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6370 – 6380	90	CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6380 – 6390	100	CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	Tr	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6390 – 6400	60	CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6400 – 6410	50	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 30% fine, 70% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite, fragments calcareous.	
6410 – 6420	60	SAND: white, 30% fine, 70% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	30	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show.	
	10	CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite, fragments calcareous.	
6420 – 6430	40	SAND: white, 50% fine, 50% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	40	CLAYSTONE: medium dark gray, minor medium gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, fragments calcareous.	
6430 – 6440	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SAND: white, 50% fine, 50% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	10	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, fragments calcareous.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
6440 – 6450	80	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SAND: white, 50% fine, 50% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	10	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, fragments calcareous.	
6450 – 6460	90	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite, fragments calcareous.	
6460 – 6470	70	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6470 – 6480	40	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show.	
	20	SAND: white, 40% fine, 60% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6480 – 6490	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. SAND: white, 40% fine, 60% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6490 – 6500	50	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 40% fine, 60% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6500 – 6510	50	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 60% fine, 40% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6510 – 6520	60	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 60% fine, 40% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6520 – 6530	70	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, poor visual porosity. No Oil Show. SAND: white, 60% fine, 40% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6530 – 6540	50	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 60% fine, 40% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6540 – 6550	60	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SAND: white, 60% fine, 40% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
6550 – 6560	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	40	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted.	
	20	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
6560 – 6570	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcite, coal, pyrite.	
6570 – 6580	80	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcite, coal, pyrite.	
6580 – 6590	80	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6590 – 6600	80	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, coal, pyrite.	
6600 – 6610	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, minor sub tabular, moderately firm to moderately soft, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcite, coal, pyrite.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
6610 – 6620	50	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: light gray, medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, coal, pyrite, dolomite.	
6620 – 6630	60	SAND: white, 20% very fine, 60% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	20	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	
6630 – 6640	50	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	30	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		calcareous in part. Accessories: calcite, pyrite, coal.	
6640 – 6650	70	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, pyrite, coal.	
6650 – 6660	60	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, pyrite, coal.	
6660 – 6670	70	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	calcareous in part. SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
6670 – 6680	50	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	20	SANDSTONE: medium light gray, light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcite, pyrite, coal.	
6680 – 6690	40	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SANDSTONE: medium light gray, light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: shell fragments, calcite, pyrite, coal.	
6690 – 6700	40	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	40	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: shell fragments, slickenside, calcite, pyrite, coal.	
6700 – 6710	40	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	30	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.	5
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: shell fragments, slickenside, calcite, pyrite, coal.	
6710 – 6720	60	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	30	SANDSTONE: light gray, very light gray, occasionally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, occasionally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.	
	10	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	30

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, pyrite, shell fragments, slickenside, coal.	
6720 – 6730	60 40 Tr	SANDSTONE: light gray, very light gray, fine, minor very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, moderately friable to friable, occasionally moderately consolidate, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 60% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. SAND: white, 30% fine, 50% medium, 20% coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, slickenside, coal.	60
6730 – 6740	50 50 Tr	SANDSTONE: light gray, very light gray, fine, minor very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, moderately friable to friable, occasionally moderately consolidate, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. SAND: white, 50% fine, 40% medium, 10% coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, slickenside, coal.	30
6740 – 6750	70 30	SANDSTONE: light gray, minor medium light gray, very light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	10

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	<p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: shell fragments, calcite, pyrite, slickenside, coal.</p>	
6750 – 6760	70 30 Tr	<p>SANDSTONE: light gray, minor medium light gray, very light gray, very fine, minor fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: shell fragments, calcite, pyrite, slickenside, coal.</p>	10
6760 – 6770	70 10 10 10	<p>SANDSTONE: light gray, minor medium light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable, locally moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	10
6770 – 6780	50	<p>SANDSTONE: light gray, minor medium light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable, locally moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p>	TR

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 20 10	<p>Fluorescence: NVOS, traces pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	
6780 – 6790	30 30 20 20	<p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>SANDSTONE: light gray, minor medium light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable, locally moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, traces pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	TR
6790 – 6800	60 20 10	<p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>SANDSTONE: light gray, minor medium light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable, locally moderately consolidate, tight in part, dirty in part, with dark minerals inclusions,</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcite, pyrite, coal.	
6800 – 6810	40	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	5
	30	SANDSTONE: light gray, minor medium light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, tight in part, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	
6810 – 6820	50	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	40
	40	SANDSTONE: light gray, very light gray, locally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, occasionally tight, with dark minerals inclusions, microcarbonaceous in part, fair to poor visual porosity. Fluorescence: NVOS, 40% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.	
	10	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	
6820 – 6830	50	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	30
	40	SANDSTONE: light gray, very light gray, locally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, occasionally tight, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	<p>Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	
6830 – 6840	60 30 10	<p>SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SANDSTONE: light gray, very light gray, locally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, occasionally tight, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity.</p> <p>Fluorescence: NVOS, 20% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	20
6840 – 6850	50 30 10 10	<p>SANDSTONE: light gray, very light gray, locally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity.</p> <p>Fluorescence: NVOS, 20% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>SAND: white, 20% very fine, 30% fine, 50% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.</p> <p>Accessories: calcite, shell fragments, pyrite, coal.</p>	20
6850 – 6860	50	<p>SANDSTONE: light gray, very light gray, locally medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to</p>	10

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. SAND: white, 20% very fine, 30% fine, 50% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part.	
	10	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	
6860 – 6870	60	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable to friable, locally moderately consolidate, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.	
	30	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	5
	10	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	
6870 – 6880	50	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement in part, moderately friable to friable, locally moderately consolidate,	5

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10 10	occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	
6880 – 6890	60 20 10 10	SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, occasionally tight, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	10
6890 – 6900	50 30 10 10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, occasionally tight, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 20% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly	20

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	
6900 – 6910	70 20 10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, occasionally tight, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 40% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	40
6910 – 6920	60 30 10 Tr	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to moderately soft, occasionally firm, silty in part, occasionally slightly soluble, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to friable, occasionally tight, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show. Accessories: calcite, pyrite, coal.	
6920 – 6930	40 20 20 20	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable, tight in part, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, pyrite, coal.	
6930 – 6940	40 30 20 10	SAND: white, 40% very fine, 50% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable, tight in part, occasionally dirty, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. No Oil Show. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, pyrite, coal.	
6940 – 6950	40 40 10 10	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, moderately friable to friable, occasionally tight, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 40% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	40
6950 – 6960	70 20 10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, friable to moderately friable, with dark minerals inclusions, microcarbonaceous in part, fair visual porosity. Fluorescence: NVOS, 60% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish	60

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	
6960 – 6970	90 10 Tr	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement in part, friable to moderately friable, with dark minerals inclusions, microcarbonaceous in part, fair visual porosity. Fluorescence: NVOS, 60% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, shell fragments, pyrite, coal.	60
6970 – 6980	70 30 Tr	SAND: white, 50% fine, 40% medium, 10% coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable to friable, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor to fair visual porosity. Fluorescence: NVOS, 50% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, coal.	50
6980 – 6990	50 40 10	SAND: white, 30% fine, 60% medium, 10% coarse quartz grain, hyaline, translucent, subangular to subrounded, well sorted. SANDSTONE: light gray, very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS. CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, coal.	30

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
6990 – 7000	30	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	10
	30	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, scarce argillaceous matrix, calcareous cement, moderately friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.	
	20	Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, pyrite, shell fragments, coal.	
7000 – 7010	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement in part, moderately friable, locally moderately consolidate, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone in part, slightly calcareous in part. Accessories: calcite, shell fragments, pyrite, coal.	
7010 – 7020	60	SANDSTONE: light gray, very light gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.	10
	30	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	CLAYSTONE: medium dark gray, minor dark gray, locally grayish black, earthy, blocky to subblocky, sub tabular in part, amorphous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrilic in part, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, coal.	
7020 – 7030	40	SANDSTONE: light gray, very light gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.	10
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrilic in part, grading to very fine sandstone, slightly calcareous in part.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrilic in part, non calcareous to slightly calcareous. Accessories: shell fragments, calcite, pyrite, coal.	
7030 – 7040	40	CLAYSTONE: medium dark gray, minor dark gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrilic in part, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrilic in part, grading to very fine sandstone, slightly calcareous in part.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	SANDSTONE: light gray, very light gray, minor medium light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, shell fragments, coal.	
7040 – 7050	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrilic in part, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrilic in part, grading to very fine sandstone, slightly calcareous in part.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	SANDSTONE: light gray, very light gray, minor medium light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, shell fragments, coal.	
7050 – 7060	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	40	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: light gray, very light gray, minor medium light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, shell fragments, coal.	
7060 – 7070	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, minor very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix in part, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, shell fragments, coal.	
7070 – 7080	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, shell fragments, coal.	
7080 – 7090	50	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part. Accessories: pyrite, calcite, shell fragments, coal.	
7090 – 7100	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		sandstone, slightly calcareous in part. Accessories: pyrite, calcite, shell fragments, coal.	
7100 – 7110	40	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 40% very fine, 40% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, coal.	
7110 – 7120	60	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SAND: white, 40% very fine, 40% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	Tr	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part. Accessories: pyrite, calcite, coal.	
7120 – 7130	50	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7130 – 7140	50	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrictic in part, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7140 – 7150	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrictic in part, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7150 – 7160	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show.	
	30	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30 Tr	amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7160 – 7170	40 30 20 10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, with pyrite disseminate in part, poor visual porosity. No Oil Show. CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7170 – 7180	50 30 20 Tr	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous. SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: pyrite, calcite, coal.	
7180 – 7190	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30 20 10	<p>in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.</p> <p>SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.</p> <p>Accessories: pyrite, calcite, coal.</p>	
7190 – 7200	40 20 20 20	<p>SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.</p> <p>SAND: white, 40% very fine, 60% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.</p> <p>Accessories: pyrite, calcite, coal.</p>	
7200 – 7210	60 20 20	<p>SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>Accessories: pyrite, calcite, coal.</p>	
7210 – 7220	50	<p>SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty</p>	30

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	40 10	<p>in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrictic in part, non calcareous to slightly calcareous.</p> <p>Accessories: pyrite, calcite, coal.</p>	
7220 – 7230	60 40	<p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 30% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>Accessories: pyrite, calcite, coal.</p>	30
7230 – 7240	50 30 20	<p>SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 20% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrictic in part, non calcareous to slightly calcareous.</p> <p>SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>Accessories: pyrite, calcite, coal.</p>	20
7240 – 7250	60 30	<p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrictic in part, non calcareous to slightly calcareous.</p> <p>SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement,</p>	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, coal.	
7250 – 7260	40	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, coal.	
7260 – 7270	40	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	40	SANDSTONE: light gray, medium light gray, occasionally very light gray, fine to very fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: pyrite, calcite, coal.	
7270 – 7280	50	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow to fast, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. FOS.	10
	30	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, micropyrritic in part, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: pyrite, calcite, coal.	
7280 – 7290	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part. Accessories: pyrite, calcite, coal.	
7290 – 7300	70	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal.	
7300 – 7310	60	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: pyrite, calcite, coal.	
7310 – 7320	80	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
7320 – 7330	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
7330 – 7340	70	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. Accessories: calcite, coal.	
7340 – 7350	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10 10	<p>in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.</p> <p>SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrritic in part, grading to very fine sandstone, slightly calcareous in part.</p> <p>SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>Accessories: calcite, coal.</p>	
7350 – 7360	60 30 10	<p>SAND: white, 20% medium, 50% coarse, 30% very coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 10% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, amorphous, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	10
7360 – 7370	70 20 10	<p>SAND: white, 20% medium, 30% coarse, 50% very coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 20% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	20
7370 – 7380	40 30	<p>SAND: white, 20% medium, 30% coarse, 50% very coarse quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.</p> <p>SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty</p>	5

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	<p>in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity.</p> <p>Fluorescence: NVOS, 5% pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. POS.</p> <p>CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.</p> <p>Accessories: calcite, coal, pyrite.</p>	
7380 – 7390	40	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 50% fine, 50% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7390 – 7400	40	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SILTSTONE: medium gray, medium dark gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, micropyrictic in part, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 50% fine, 50% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7400 – 7410	60	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7410 – 7420	50	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	40	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7420 – 7430	70	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	Tr	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7430 – 7440	60	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	30	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	10	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7440 – 7450	60	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7450 – 7460	70	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	10	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. Accessories: calcite, coal, pyrite.	
7460 – 7470	50	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7470 – 7480	50	CLAYSTONE: medium dark gray, minor dark gray, occasionally medium gray, earthy, blocky to subblocky, sub tabular in part, moderately firm to firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7480 – 7490	70	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, blocky to subblocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	Tr	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7490 – 7500	40	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, blocky to subblocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7500 – 7510	80	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, blocky to subblocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10 Tr	microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7510 – 7520	70 20 10 Tr	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, blocky to subblocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7520 – 7530	70 20 10 Tr	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, blocky to subblocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: medium light gray, light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show. SAND: white, 30% very fine, 70% fine, traces medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, coal, pyrite.	
7530 – 7540	30	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, silty in part,	TR

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. Fluorescence: NVOS, traces pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS.	
	20	SAND: white, 20% very fine, 60% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcite, pyrite, coal.	
7540 – 7550	40	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	30	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to moderately consolidate, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Show.	
	10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcite, pyrite, coal.	
7550 – 7560	40	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Show.	
	40	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted.	
	10	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: abundant calcareous fragments, slickenside, pyrite, coal.	
7560 – 7570	40 30 20 10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. Fluorescence: NVOS, traces pin point gold yellow natural fluorescence, slow, weak, pale, even, pale yellow cut fluorescence, non residual ring at natural light. VPOS. CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcie, pyrite, slickenside, coal.	TR
7570 – 7580	30 30 20 20	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcie, pyrite, coal.	
7580 – 7590	50 20	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20 10	subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. Accessories: calcie, pyrite, coal.	
7590 – 7600	70 20 10	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately firm to moderately soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. Accessories: calcie, pyrite, coal.	
7600 – 7610	70 20 10	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately firm to moderately soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. Accessories: calcie, pyrite, coal.	
7610 – 7620	80 20	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, tight in part, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. Accessories: calcie, pyrite, coal.	
7620 – 7630	40 30 20 10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray to grayish black, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally very firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal, shell fragments.	
7630 – 7640	50 30 10 10	SAND: white, 20% very fine, 50% fine, 30% medium quartz grain, hyaline, translucent, subangular to subrounded, well to fair sorted. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, slickenside, coal,.	
7640 – 7650	50 20	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. SANDSTONE: light gray, medium light gray, occasionally very light	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	20	gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows. CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, slickenside, coal.	
7650 – 7660	40	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows.	
	30	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally firm, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous.	
	20	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal, fragments calcareous.	
7660 – 7670	50	CLAYSTONE: medium dark gray, minor medium gray, occasionally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcie, pyrite, coal.	
7670 – 7680	70	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally soft, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows.	
	Tr	SAND: white, 30% very fine, 50% fine, 20% medium, traces coarse quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcie, pyrite, coal.	
7680 – 7690	40	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, moderately friable to friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, occasionally micropyrritic, poor visual porosity. No Oil Shows.	
	30	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally soft, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 50% fine, 20% medium quartz grain, hyaline, translucent, subangular to subrounded, fair sorted. Accessories: calcie, pyrite, coal.	
7690 – 7700	60	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	moderately soft to moderately firm, locally soft, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal.	
7700 – 7710	30	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	30	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally soft, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal.	
7710 – 7720	40	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray, earthy, subblocky to blocky, sub tabular to amorphous in part, moderately soft to moderately firm, locally soft, occasionally firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal. Note: sample contaminated with carbonates.	
7720 – 7730	40	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately soft to moderately firm, locally soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	30	slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcie, pyrite, coal. Note: sample contaminated with carbonates.	
7730 – 7740	50	CLAYSTONE: medium dark gray, minor medium gray, locally dark gray to grayish black, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately soft to moderately firm, locally soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcie, pyrite, coal. Note: sample contaminated with carbonates.	
7740 – 7750	50	CLAYSTONE: medium dark gray, minor medium gray, locally grayish black, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately soft to moderately firm, locally soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrritic, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	10	calcareous in part. SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcie, pyrite, coal. Note: sample contaminated with carbonates.	
7750 – 7760	40	CLAYSTONE: medium dark gray, minor medium gray, locally grayish black, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, locally very firm, silty in part, micromicaceous, microcarbonaceous, occasionally micropyrictic, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SAND: white, 30% very fine, 60% fine, 10% medium quartz grain, hyaline, translucent, subangular to subrounded, well sorted. Accessories: calcie, pyrite, coal. Note: sample contaminated with carbonates.	
7760 – 7770	70	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	10	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal.	
7770 – 7780	80	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
	Tr	minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal.	
7780 – 7790	70 30	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcie, pyrite, coal.	
7790 – 7800	70 20 10	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, pyrite, coal.	
7800 – 7810	80 10 10	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part. SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		Accessories: calcie, pyrite, coal.	
7810 – 7820	90	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcie, coal.	
7820 – 7830	90	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcie, coal.	
7830 – 7840	70	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcie, coal.	
7840 – 7850	70	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part.	
	10	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement,	

INTERVAL (Feet)	%	DESCRIPTION	FLUOR. (%)
		friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows. Accessories: calcie, coal.	
7850 – 7859	50	CLAYSTONE: medium dark gray, minor medium gray, earthy, subblocky to blocky, sub tabular in part, minor amorphous, moderately firm to moderately soft, occasionally soft, silty in part, micromicaceous, microcarbonaceous, non calcareous to slightly calcareous in part.	
	30	SANDSTONE: light gray, medium light gray, occasionally very light gray, very fine to fine quartz grain, hyaline, translucent, subangular to subrounded, well sorted, argillaceous matrix, calcareous cement, friable to moderately friable, occasionally tight, dirty in part, with dark minerals inclusions, microcarbonaceous in part, poor visual porosity. No Oil Shows.	
	20	SILTSTONE: medium dark gray, medium gray, earthy, blocky to subblocky, amorphous in part, moderately firm, micromicaceous, microcarbonaceous, grading to very fine sandstone, slightly calcareous in part. Accessories: calcie, coal.	
FINAL TOTAL DEPTH 7859.00 ft. MD(RT); 5461.87 ft. TVD(RT)			

WELL: LO16-29D

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
HELICO Mbr. (TALARA FM).							
480	8	0,00	0,0	0,0	0,0	0,0	0,0
481	8	0,00	0,0	0,0	0,0	0,0	0,0
482	10	0,00	0,0	0,0	0,0	0,0	0,0
483	9	0,00	0,0	0,0	0,0	0,0	0,0
484	9	0,00	0,0	0,0	0,0	0,0	0,0
485	9	0,00	0,0	0,0	0,0	0,0	0,0
486	5	0,00	0,0	0,0	0,0	0,0	0,0
487	5	0,00	0,0	0,0	0,0	0,0	0,0
488	6	0,00	0,0	0,0	0,0	0,0	0,0
489	6	0,00	0,0	0,0	0,0	0,0	0,0
490	7	0,00	0,0	0,0	0,0	0,0	0,0
491	8	0,00	0,0	0,0	0,0	0,0	0,0
492	9	0,00	0,0	0,0	0,0	0,0	0,0
493	9	0,00	0,0	0,0	0,0	0,0	0,0
494	9	0,00	0,0	0,0	0,0	0,0	0,0
495	9	0,00	0,0	0,0	0,0	0,0	0,0
496	12	0,23	23,0	0,0	0,0	0,0	0,0
497	14	0,24	24,0	0,0	0,0	0,0	0,0
498	15	0,24	24,0	0,0	0,0	0,0	0,0
499	25	0,23	23,0	0,0	0,0	0,0	0,0
500	28	0,27	27,0	0,0	0,0	0,0	0,0
501	13	0,32	32,0	0,0	0,0	0,0	0,0
502	22	0,29	29,0	0,0	0,0	0,0	0,0
503	11	0,30	30,0	0,0	0,0	0,0	0,0
504	11	0,32	32,0	0,0	0,0	0,0	0,0
505	11	0,31	31,0	0,0	0,0	0,0	0,0
506	11	0,31	31,0	0,0	0,0	0,0	0,0
507	11	0,29	29,0	0,0	0,0	0,0	0,0
508	10	0,31	31,0	0,0	0,0	0,0	0,0
509	13	0,33	33,0	0,0	0,0	0,0	0,0
510	15	0,38	38,0	0,0	0,0	0,0	0,0
511	14	0,38	38,0	0,0	0,0	0,0	0,0
512	12	0,38	38,0	0,0	0,0	0,0	0,0
513	14	0,41	41,0	0,0	0,0	0,0	0,0
514	13	0,43	43,0	0,0	0,0	0,0	0,0
515	21	0,45	45,0	0,0	0,0	0,0	0,0
516	14	0,62	62,0	0,0	0,0	0,0	0,0
517	7	0,70	70,0	0,0	0,0	0,0	0,0
518	56	0,76	76,0	0,0	0,0	0,0	0,0
519	37	0,57	57,0	0,0	0,0	0,0	0,0
520	23	0,56	56,0	0,0	0,0	0,0	0,0
521	26	0,62	62,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
522	28	0,68	68,0	0,0	0,0	0,0	0,0
523	31	0,69	69,0	0,0	0,0	0,0	0,0
524	30	0,67	67,0	0,0	0,0	0,0	0,0
525	33	0,73	73,0	0,0	0,0	0,0	0,0
526	37	0,73	73,0	0,0	0,0	0,0	0,0
527	29	0,65	65,0	0,0	0,0	0,0	0,0
528	25	0,65	65,0	0,0	0,0	0,0	0,0
529	26	0,70	70,0	0,0	0,0	0,0	0,0
530	31	0,70	70,0	0,0	0,0	0,0	0,0
531	24	0,80	80,0	0,0	0,0	0,0	0,0
532	30	0,78	78,0	0,0	0,0	0,0	0,0
533	27	0,77	77,0	0,0	0,0	0,0	0,0
534	24	0,77	77,0	0,0	0,0	0,0	0,0
535	14	0,77	77,0	0,0	0,0	0,0	0,0
536	16	0,86	86,0	0,0	0,0	0,0	0,0
537	18	0,86	86,0	0,0	0,0	0,0	0,0
538	12	0,72	72,0	0,0	0,0	0,0	0,0
539	12	0,64	64,0	0,0	0,0	0,0	0,0
540	12	0,62	62,0	0,0	0,0	0,0	0,0
541	11	0,65	65,0	0,0	0,0	0,0	0,0
542	16	0,71	71,0	0,0	0,0	0,0	0,0
543	19	0,70	70,0	0,0	0,0	0,0	0,0
544	16	0,70	70,0	0,0	0,0	0,0	0,0
545	13	0,69	69,0	0,0	0,0	0,0	0,0
546	16	0,69	69,0	0,0	0,0	0,0	0,0
547	11	0,69	69,0	0,0	0,0	0,0	0,0
548	16	0,67	67,0	0,0	0,0	0,0	0,0
549	16	0,65	65,0	0,0	0,0	0,0	0,0
550	16	0,65	65,0	0,0	0,0	0,0	0,0
551	12	0,65	65,0	0,0	0,0	0,0	0,0
552	11	0,65	65,0	0,0	0,0	0,0	0,0
553	13	0,65	65,0	0,0	0,0	0,0	0,0
554	16	0,65	65,0	0,0	0,0	0,0	0,0
555	14	0,70	70,0	0,0	0,0	0,0	0,0
556	15	0,76	76,0	0,0	0,0	0,0	0,0
557	19	0,82	82,0	0,0	0,0	0,0	0,0
558	15	0,81	81,0	0,0	0,0	0,0	0,0
559	20	0,81	81,0	0,0	0,0	0,0	0,0
560	20	0,92	92,0	0,0	0,0	0,0	0,0
561	20	0,83	83,0	0,0	0,0	0,0	0,0
562	16	0,83	83,0	0,0	0,0	0,0	0,0
563	11	1,19	119,0	0,0	0,0	0,0	0,0
564	14	0,76	76,0	0,0	0,0	0,0	0,0
565	9	0,34	34,0	0,0	0,0	0,0	0,0
566	11	0,43	43,0	0,0	0,0	0,0	0,0
567	13	0,67	67,0	0,0	0,0	0,0	0,0
568	15	0,77	77,0	0,0	0,0	0,0	0,0
569	16	0,80	80,0	0,0	0,0	0,0	0,0
570	18	0,90	90,0	0,0	0,0	0,0	0,0
571	19	0,90	90,0	0,0	0,0	0,0	0,0
572	16	1,00	100,0	0,0	0,0	0,0	0,0
573	15	1,00	100,0	0,0	0,0	0,0	0,0
574	18	0,86	86,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
575	21	1,02	102,0	0,0	0,0	0,0	0,0
576	22	0,79	79,0	0,0	0,0	0,0	0,0
577	23	0,85	85,0	0,0	0,0	0,0	0,0
578	19	0,85	85,0	0,0	0,0	0,0	0,0
579	18	0,62	62,0	0,0	0,0	0,0	0,0
580	17	0,62	62,0	0,0	0,0	0,0	0,0
581	15	0,80	80,0	0,0	0,0	0,0	0,0
582	19	0,74	74,0	0,0	0,0	0,0	0,0
583	20	0,47	47,0	0,0	0,0	0,0	0,0
584	16	0,44	44,0	0,0	0,0	0,0	0,0
585	20	0,36	36,0	0,0	0,0	0,0	0,0
586	16	0,36	36,0	0,0	0,0	0,0	0,0
587	18	0,34	34,0	0,0	0,0	0,0	0,0
588	19	0,32	32,0	0,0	0,0	0,0	0,0
589	20	0,27	27,0	0,0	0,0	0,0	0,0
590	18	0,31	31,0	0,0	0,0	0,0	0,0
591	19	0,30	30,0	0,0	0,0	0,0	0,0
592	25	0,31	31,0	0,0	0,0	0,0	0,0
593	19	0,31	31,0	0,0	0,0	0,0	0,0
594	22	0,29	29,0	0,0	0,0	0,0	0,0
595	24	0,35	35,0	0,0	0,0	0,0	0,0
596	9	0,26	26,0	0,0	0,0	0,0	0,0
597	5	0,45	43,0	1,0	0,0	0,0	0,0
598	11	0,54	54,0	0,0	0,0	0,0	0,0
599	10	0,40	40,0	0,0	0,0	0,0	0,0
600	11	0,46	46,0	0,0	0,0	0,0	0,0
601	12	0,48	48,0	0,0	0,0	0,0	0,0
602	11	0,94	94,0	0,0	0,0	0,0	0,0
603	18	0,94	94,0	0,0	0,0	0,0	0,0
604	20	0,94	94,0	0,0	0,0	0,0	0,0
605	20	0,57	57,0	0,0	0,0	0,0	0,0
606	9	1,61	161,0	0,0	0,0	0,0	0,0
607	36	1,61	161,0	0,0	0,0	0,0	0,0
608	30	0,92	92,0	0,0	0,0	0,0	0,0
609	27	1,06	106,0	0,0	0,0	0,0	0,0
610	27	1,19	119,0	0,0	0,0	0,0	0,0
611	27	1,32	132,0	0,0	0,0	0,0	0,0
612	32	1,46	146,0	0,0	0,0	0,0	0,0
613	33	1,59	159,0	0,0	0,0	0,0	0,0
614	25	1,51	151,0	0,0	0,0	0,0	0,0
615	25	1,46	144,0	1,0	0,0	0,0	0,0
616	23	1,40	140,0	0,0	0,0	0,0	0,0
617	22	1,30	130,0	0,0	0,0	0,0	0,0
618	20	1,32	132,0	0,0	0,0	0,0	0,0
619	20	1,34	134,0	0,0	0,0	0,0	0,0
620	18	1,34	134,0	0,0	0,0	0,0	0,0
621	20	1,35	135,0	0,0	0,0	0,0	0,0
622	21	1,53	153,0	0,0	0,0	0,0	0,0
623	24	1,57	157,0	0,0	0,0	0,0	0,0
624	24	1,34	134,0	0,0	0,0	0,0	0,0
625	30	1,28	128,0	0,0	0,0	0,0	0,0
626	22	1,42	142,0	0,0	0,0	0,0	0,0
627	23	1,42	142,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
628	24	1,24	124,0	0,0	0,0	0,0	0,0
629	24	1,06	106,0	0,0	0,0	0,0	0,0
630	24	0,88	88,0	0,0	0,0	0,0	0,0
631	24	1,48	148,0	0,0	0,0	0,0	0,0
632	13	1,50	150,0	0,0	0,0	0,0	0,0
633	35	1,52	152,0	0,0	0,0	0,0	0,0
634	13	1,41	141,0	0,0	0,0	0,0	0,0
635	30	1,31	131,0	0,0	0,0	0,0	0,0
636	30	1,22	122,0	0,0	0,0	0,0	0,0
637	30	1,13	113,0	0,0	0,0	0,0	0,0
638	30	1,03	103,0	0,0	0,0	0,0	0,0
639	35	1,06	106,0	0,0	0,0	0,0	0,0
640	43	1,06	106,0	0,0	0,0	0,0	0,0
641	40	1,17	115,0	1,0	0,0	0,0	0,0
642	36	1,27	125,0	1,0	0,0	0,0	0,0
643	34	1,26	126,0	0,0	0,0	0,0	0,0
644	32	1,37	137,0	0,0	0,0	0,0	0,0
645	40	1,31	131,0	0,0	0,0	0,0	0,0
646	35	1,24	124,0	0,0	0,0	0,0	0,0
647	29	1,22	122,0	0,0	0,0	0,0	0,0
648	32	1,12	112,0	0,0	0,0	0,0	0,0
649	26	1,22	122,0	0,0	0,0	0,0	0,0
650	35	1,22	122,0	0,0	0,0	0,0	0,0
651	20	0,96	96,0	0,0	0,0	0,0	0,0
652	17	0,88	88,0	0,0	0,0	0,0	0,0
653	16	0,90	88,0	1,0	0,0	0,0	0,0
654	16	0,91	87,0	2,0	0,0	0,0	0,0
655	15	0,81	77,0	2,0	0,0	0,0	0,0
656	14	0,90	90,0	0,0	0,0	0,0	0,0
657	19	1,10	110,0	0,0	0,0	0,0	0,0
658	30	1,05	105,0	0,0	0,0	0,0	0,0
659	19	0,86	86,0	0,0	0,0	0,0	0,0
660	16	0,82	82,0	0,0	0,0	0,0	0,0
661	12	0,78	78,0	0,0	0,0	0,0	0,0
662	8	0,73	73,0	0,0	0,0	0,0	0,0
663	15	0,69	69,0	0,0	0,0	0,0	0,0
664	25	0,66	64,0	1,0	0,0	0,0	0,0
665	12	0,62	60,0	1,0	0,0	0,0	0,0
666	11	0,34	34,0	0,0	0,0	0,0	0,0
667	29	0,40	40,0	0,0	0,0	0,0	0,0
668	24	0,42	40,0	1,0	0,0	0,0	0,0
669	24	0,42	42,0	0,0	0,0	0,0	0,0
670	22	0,40	40,0	0,0	0,0	0,0	0,0
671	17	0,42	42,0	0,0	0,0	0,0	0,0
672	14	0,45	45,0	0,0	0,0	0,0	0,0
673	20	0,44	44,0	0,0	0,0	0,0	0,0
674	20	0,40	40,0	0,0	0,0	0,0	0,0
675	20	0,38	38,0	0,0	0,0	0,0	0,0
676	8	0,35	35,0	0,0	0,0	0,0	0,0
677	28	0,51	51,0	0,0	0,0	0,0	0,0
678	30	0,55	55,0	0,0	0,0	0,0	0,0
679	27	0,54	54,0	0,0	0,0	0,0	0,0
680	30	0,58	58,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
681	30	0,55	55,0	0,0	0,0	0,0	0,0
682	41	0,67	67,0	0,0	0,0	0,0	0,0
683	34	0,72	72,0	0,0	0,0	0,0	0,0
684	32	0,67	67,0	0,0	0,0	0,0	0,0
685	27	0,61	61,0	0,0	0,0	0,0	0,0
686	30	0,61	61,0	0,0	0,0	0,0	0,0
687	32	0,68	68,0	0,0	0,0	0,0	0,0
688	31	0,62	62,0	0,0	0,0	0,0	0,0
689	31	0,62	62,0	0,0	0,0	0,0	0,0
690	72	0,54	54,0	0,0	0,0	0,0	0,0
691	40	0,52	52,0	0,0	0,0	0,0	0,0
692	20	0,36	36,0	0,0	0,0	0,0	0,0
693	25	0,36	36,0	0,0	0,0	0,0	0,0
694	31	0,55	55,0	0,0	0,0	0,0	0,0
695	31	0,71	71,0	0,0	0,0	0,0	0,0
696	32	0,78	78,0	0,0	0,0	0,0	0,0
697	32	0,85	85,0	0,0	0,0	0,0	0,0
698	30	0,71	71,0	0,0	0,0	0,0	0,0
699	57	0,97	97,0	0,0	0,0	0,0	0,0
700	47	1,06	106,0	0,0	0,0	0,0	0,0
701	53	1,09	109,0	0,0	0,0	0,0	0,0
702	57	1,17	117,0	0,0	0,0	0,0	0,0
703	57	1,26	126,0	0,0	0,0	0,0	0,0
704	67	1,26	126,0	0,0	0,0	0,0	0,0
705	76	1,21	121,0	0,0	0,0	0,0	0,0
706	48	0,71	71,0	0,0	0,0	0,0	0,0
707	47	0,88	88,0	0,0	0,0	0,0	0,0
708	70	0,65	65,0	0,0	0,0	0,0	0,0
709	67	1,15	115,0	0,0	0,0	0,0	0,0
710	66	0,73	73,0	0,0	0,0	0,0	0,0
711	61	0,73	73,0	0,0	0,0	0,0	0,0
712	73	1,15	115,0	0,0	0,0	0,0	0,0
713	71	1,14	114,0	0,0	0,0	0,0	0,0
714	66	0,77	77,0	0,0	0,0	0,0	0,0
715	60	1,28	114,0	8,0	0,0	0,0	0,0
716	59	1,21	121,0	0,0	0,0	0,0	0,0
717	63	1,25	125,0	0,0	0,0	0,0	0,0
718	60	1,24	124,0	0,0	0,0	0,0	0,0
719	61	1,25	125,0	0,0	0,0	0,0	0,0
720	72	1,33	133,0	0,0	0,0	0,0	0,0
721	76	1,33	133,0	0,0	0,0	0,0	0,0
722	76	1,33	133,0	0,0	0,0	0,0	0,0
723	57	1,41	134,0	4,0	0,0	0,0	0,0
724	72	1,41	139,0	1,0	0,0	0,0	0,0
725	66	1,32	132,0	0,0	0,0	0,0	0,0
726	74	1,14	114,0	0,0	0,0	0,0	0,0
727	70	0,95	95,0	0,0	0,0	0,0	0,0
728	77	0,95	95,0	0,0	0,0	0,0	0,0
729	75	1,20	120,0	0,0	0,0	0,0	0,0
730	69	1,24	124,0	0,0	0,0	0,0	0,0
731	72	1,32	132,0	0,0	0,0	0,0	0,0
732	63	1,31	131,0	0,0	0,0	0,0	0,0
733	63	1,26	126,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
734	72	1,26	126,0	0,0	0,0	0,0	0,0
735	61	0,92	92,0	0,0	0,0	0,0	0,0
736	70	1,12	112,0	0,0	0,0	0,0	0,0
737	71	1,00	100,0	0,0	0,0	0,0	0,0
738	68	1,29	129,0	0,0	0,0	0,0	0,0
739	64	1,26	126,0	0,0	0,0	0,0	0,0
740	73	1,30	130,0	0,0	0,0	0,0	0,0
741	64	1,24	124,0	0,0	0,0	0,0	0,0
742	56	1,23	123,0	0,0	0,0	0,0	0,0
743	58	1,22	122,0	0,0	0,0	0,0	0,0
744	59	1,13	113,0	0,0	0,0	0,0	0,0
745	55	0,89	89,0	0,0	0,0	0,0	0,0
746	29	0,84	84,0	0,0	0,0	0,0	0,0
747	56	0,81	81,0	0,0	0,0	0,0	0,0
748	68	1,15	115,0	0,0	0,0	0,0	0,0
749	70	1,19	119,0	0,0	0,0	0,0	0,0
750	53	1,10	110,0	0,0	0,0	0,0	0,0
751	50	0,42	42,0	0,0	0,0	0,0	0,0
752	57	0,76	76,0	0,0	0,0	0,0	0,0
753	42	0,83	83,0	0,0	0,0	0,0	0,0
754	51	0,88	88,0	0,0	0,0	0,0	0,0
755	54	0,88	88,0	0,0	0,0	0,0	0,0
756	54	0,88	88,0	0,0	0,0	0,0	0,0
757	54	0,89	89,0	0,0	0,0	0,0	0,0
758	51	1,03	99,0	2,0	0,0	0,0	0,0
759	49	0,91	91,0	0,0	0,0	0,0	0,0
760	45	0,93	93,0	0,0	0,0	0,0	0,0
761	46	0,93	93,0	0,0	0,0	0,0	0,0
762	45	0,76	76,0	0,0	0,0	0,0	0,0
763	30	0,71	71,0	0,0	0,0	0,0	0,0
764	20	0,72	72,0	0,0	0,0	0,0	0,0
765	44	0,84	84,0	0,0	0,0	0,0	0,0
766	57	0,90	90,0	0,0	0,0	0,0	0,0
767	47	0,84	84,0	0,0	0,0	0,0	0,0
768	35	0,82	82,0	0,0	0,0	0,0	0,0
769	67	0,84	84,0	0,0	0,0	0,0	0,0
770	68	1,07	107,0	0,0	0,0	0,0	0,0
771	66	1,12	112,0	0,0	0,0	0,0	0,0
772	66	1,04	104,0	0,0	0,0	0,0	0,0
773	52	1,02	102,0	0,0	0,0	0,0	0,0
774	55	1,01	101,0	0,0	0,0	0,0	0,0
775	68	1,06	106,0	0,0	0,0	0,0	0,0
776	69	0,74	74,0	0,0	0,0	0,0	0,0
777	60	1,24	124,0	0,0	0,0	0,0	0,0
778	54	0,78	78,0	0,0	0,0	0,0	0,0
779	50	0,75	75,0	0,0	0,0	0,0	0,0
780	56	1,11	111,0	0,0	0,0	0,0	0,0
781	56	0,93	93,0	0,0	0,0	0,0	0,0
782	56	0,93	93,0	0,0	0,0	0,0	0,0
783	45	0,67	67,0	0,0	0,0	0,0	0,0
784	31	0,68	68,0	0,0	0,0	0,0	0,0
785	31	0,68	68,0	0,0	0,0	0,0	0,0
786	31	0,68	68,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
787	30	0,67	67,0	0,0	0,0	0,0	0,0
788	33	0,70	70,0	0,0	0,0	0,0	0,0
789	22	0,71	71,0	0,0	0,0	0,0	0,0
790	29	0,88	88,0	0,0	0,0	0,0	0,0
791	32	0,89	89,0	0,0	0,0	0,0	0,0
792	30	0,80	80,0	0,0	0,0	0,0	0,0
793	33	0,82	82,0	0,0	0,0	0,0	0,0
794	32	0,39	39,0	0,0	0,0	0,0	0,0
795	18	0,53	53,0	0,0	0,0	0,0	0,0
796	31	0,64	64,0	0,0	0,0	0,0	0,0
797	33	0,77	77,0	0,0	0,0	0,0	0,0
798	35	0,78	78,0	0,0	0,0	0,0	0,0
799	33	0,60	60,0	0,0	0,0	0,0	0,0
800	34	0,54	54,0	0,0	0,0	0,0	0,0
801	34	0,77	77,0	0,0	0,0	0,0	0,0
802	31	0,84	84,0	0,0	0,0	0,0	0,0
803	30	0,88	88,0	0,0	0,0	0,0	0,0
804	34	0,80	80,0	0,0	0,0	0,0	0,0
805	28	0,60	60,0	0,0	0,0	0,0	0,0
806	38	0,77	77,0	0,0	0,0	0,0	0,0
807	43	0,86	86,0	0,0	0,0	0,0	0,0
808	47	0,98	98,0	0,0	0,0	0,0	0,0
809	40	0,96	96,0	0,0	0,0	0,0	0,0
810	41	0,89	89,0	0,0	0,0	0,0	0,0
811	45	1,02	102,0	0,0	0,0	0,0	0,0
812	52	1,01	101,0	0,0	0,0	0,0	0,0
813	48	1,01	101,0	0,0	0,0	0,0	0,0
814	48	1,01	101,0	0,0	0,0	0,0	0,0
815	48	1,01	101,0	0,0	0,0	0,0	0,0
816	29	0,71	71,0	0,0	0,0	0,0	0,0
817	38	0,85	85,0	0,0	0,0	0,0	0,0
818	26	0,51	51,0	0,0	0,0	0,0	0,0
819	44	0,96	96,0	0,0	0,0	0,0	0,0
820	59	1,06	106,0	0,0	0,0	0,0	0,0
821	51	0,70	70,0	0,0	0,0	0,0	0,0
822	56	1,21	121,0	0,0	0,0	0,0	0,0
823	58	1,21	121,0	0,0	0,0	0,0	0,0
824	49	1,20	120,0	0,0	0,0	0,0	0,0
825	57	0,68	68,0	0,0	0,0	0,0	0,0
826	54	1,16	116,0	0,0	0,0	0,0	0,0
827	35	1,08	108,0	0,0	0,0	0,0	0,0
828	57	1,18	118,0	0,0	0,0	0,0	0,0
829	57	1,18	118,0	0,0	0,0	0,0	0,0
830	62	1,26	126,0	0,0	0,0	0,0	0,0
831	66	1,05	105,0	0,0	0,0	0,0	0,0
832	53	0,92	92,0	0,0	0,0	0,0	0,0
833	33	0,96	96,0	0,0	0,0	0,0	0,0
834	54	0,71	71,0	0,0	0,0	0,0	0,0
835	23	0,43	43,0	0,0	0,0	0,0	0,0
836	70	0,95	95,0	0,0	0,0	0,0	0,0
837	73	1,05	105,0	0,0	0,0	0,0	0,0
838	68	0,63	63,0	0,0	0,0	0,0	0,0
839	68	1,10	110,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
840	75	0,59	59,0	0,0	0,0	0,0	0,0
841	51	0,58	58,0	0,0	0,0	0,0	0,0
842	54	0,84	84,0	0,0	0,0	0,0	0,0
843	27	0,96	96,0	0,0	0,0	0,0	0,0
844	48	0,62	62,0	0,0	0,0	0,0	0,0
845	61	1,10	110,0	0,0	0,0	0,0	0,0
846	60	0,55	55,0	0,0	0,0	0,0	0,0
847	28	1,05	105,0	0,0	0,0	0,0	0,0
848	28	1,05	105,0	0,0	0,0	0,0	0,0
849	28	1,05	105,0	0,0	0,0	0,0	0,0
850	42	0,58	58,0	0,0	0,0	0,0	0,0
851	66	1,09	109,0	0,0	0,0	0,0	0,0
852	56	1,02	102,0	0,0	0,0	0,0	0,0
853	56	0,60	60,0	0,0	0,0	0,0	0,0
854	46	1,02	102,0	0,0	0,0	0,0	0,0
855	47	0,90	90,0	0,0	0,0	0,0	0,0
856	42	0,98	98,0	0,0	0,0	0,0	0,0
857	44	1,05	105,0	0,0	0,0	0,0	0,0
858	56	1,01	101,0	0,0	0,0	0,0	0,0
859	48	1,05	105,0	0,0	0,0	0,0	0,0
860	54	1,01	101,0	0,0	0,0	0,0	0,0
861	54	1,01	101,0	0,0	0,0	0,0	0,0
862	50	0,58	58,0	0,0	0,0	0,0	0,0
863	47	1,17	117,0	0,0	0,0	0,0	0,0
864	67	1,08	108,0	0,0	0,0	0,0	0,0
865	57	1,03	103,0	0,0	0,0	0,0	0,0
866	39	1,02	102,0	0,0	0,0	0,0	0,0
867	67	0,54	54,0	0,0	0,0	0,0	0,0
868	37	0,88	88,0	0,0	0,0	0,0	0,0
869	80	1,18	118,0	0,0	0,0	0,0	0,0
870	55	1,12	112,0	0,0	0,0	0,0	0,0
871	57	1,12	112,0	0,0	0,0	0,0	0,0
872	63	0,72	72,0	0,0	0,0	0,0	0,0
873	67	1,22	122,0	0,0	0,0	0,0	0,0
874	61	1,25	125,0	0,0	0,0	0,0	0,0
875	69	1,05	105,0	0,0	0,0	0,0	0,0
876	54	1,08	108,0	0,0	0,0	0,0	0,0
877	55	1,26	126,0	0,0	0,0	0,0	0,0
878	51	1,03	103,0	0,0	0,0	0,0	0,0
879	35	0,46	46,0	0,0	0,0	0,0	0,0
880	22	0,53	53,0	0,0	0,0	0,0	0,0
881	23	0,48	48,0	0,0	0,0	0,0	0,0
882	13	0,51	51,0	0,0	0,0	0,0	0,0
883	27	0,74	74,0	0,0	0,0	0,0	0,0
884	30	0,74	74,0	0,0	0,0	0,0	0,0
885	29	0,88	88,0	0,0	0,0	0,0	0,0
886	29	0,96	96,0	0,0	0,0	0,0	0,0
887	27	1,06	106,0	0,0	0,0	0,0	0,0
888	31	1,00	100,0	0,0	0,0	0,0	0,0
889	26	1,00	100,0	0,0	0,0	0,0	0,0
890	30	1,04	104,0	0,0	0,0	0,0	0,0
891	28	0,53	53,0	0,0	0,0	0,0	0,0
892	25	0,77	77,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
893	31	0,68	68,0	0,0	0,0	0,0	0,0
894	30	1,07	107,0	0,0	0,0	0,0	0,0
895	26	1,07	107,0	0,0	0,0	0,0	0,0
896	23	0,60	60,0	0,0	0,0	0,0	0,0
897	26	0,63	63,0	0,0	0,0	0,0	0,0
898	26	0,96	96,0	0,0	0,0	0,0	0,0
899	23	1,02	102,0	0,0	0,0	0,0	0,0
900	27	0,63	63,0	0,0	0,0	0,0	0,0
901	19	0,63	63,0	0,0	0,0	0,0	0,0
902	10	0,59	59,0	0,0	0,0	0,0	0,0
903	12	0,79	79,0	0,0	0,0	0,0	0,0
904	18	0,86	86,0	0,0	0,0	0,0	0,0
905	20	1,00	100,0	0,0	0,0	0,0	0,0
906	15	0,99	99,0	0,0	0,0	0,0	0,0
907	22	1,07	107,0	0,0	0,0	0,0	0,0
908	23	1,07	107,0	0,0	0,0	0,0	0,0
909	25	1,11	111,0	0,0	0,0	0,0	0,0
910	28	1,11	111,0	0,0	0,0	0,0	0,0
911	35	1,11	111,0	0,0	0,0	0,0	0,0
912	28	1,11	111,0	0,0	0,0	0,0	0,0
913	16	1,04	104,0	0,0	0,0	0,0	0,0
914	26	0,98	98,0	0,0	0,0	0,0	0,0
915	15	1,34	133,9	0,0	0,0	0,0	0,0
916	32	1,19	119,0	0,0	0,0	0,0	0,0
917	23	0,97	97,0	0,0	0,0	0,0	0,0
918	24	0,97	97,0	0,0	0,0	0,0	0,0
919	16	1,01	101,0	0,0	0,0	0,0	0,0
920	39	1,04	104,0	0,0	0,0	0,0	0,0
921	39	1,29	129,0	0,0	0,0	0,0	0,0
922	29	1,72	172,0	0,0	0,0	0,0	0,0
923	45	1,60	160,0	0,0	0,0	0,0	0,0
924	40	1,71	171,0	0,0	0,0	0,0	0,0
925	41	1,79	179,0	0,0	0,0	0,0	0,0
926	60	1,62	162,0	0,0	0,0	0,0	0,0
927	25	1,74	174,0	0,0	0,0	0,0	0,0
928	38	2,08	208,0	0,0	0,0	0,0	0,0
929	52	2,03	203,0	0,0	0,0	0,0	0,0
930	57	2,08	208,0	0,0	0,0	0,0	0,0
931	52	1,78	178,0	0,0	0,0	0,0	0,0
932	58	1,92	192,0	0,0	0,0	0,0	0,0
933	49	1,92	192,0	0,0	0,0	0,0	0,0
934	55	2,04	204,0	0,0	0,0	0,0	0,0
935	53	2,27	227,0	0,0	0,0	0,0	0,0
936	57	2,00	200,0	0,0	0,0	0,0	0,0
937	62	1,67	167,0	0,0	0,0	0,0	0,0
938	65	1,32	132,0	0,0	0,0	0,0	0,0
939	43	1,90	190,0	0,0	0,0	0,0	0,0
940	58	1,90	190,0	0,0	0,0	0,0	0,0
941	52	2,44	244,0	0,0	0,0	0,0	0,0
942	73	2,44	244,0	0,0	0,0	0,0	0,0
943	77	3,07	307,0	0,0	0,0	0,0	0,0
944	71	3,06	306,0	0,0	0,0	0,0	0,0
945	54	3,06	306,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
946	40	0,49	48,6	0,0	0,0	0,0	0,0
947	35	0,62	61,7	0,0	0,0	0,0	0,0
948	16	0,62	61,7	0,0	0,0	0,0	0,0
949	11	0,64	64,4	0,0	0,0	0,0	0,0
950	13	0,66	66,3	0,0	0,0	0,0	0,0
951	8	0,66	66,3	0,0	0,0	0,0	0,0
952	14	0,69	68,5	0,0	0,0	0,0	0,0
953	16	0,74	74,2	0,0	0,0	0,0	0,0
954	17	0,87	86,9	0,0	0,0	0,0	0,0
955	19	0,71	71,2	0,0	0,0	0,0	0,0
956	16	0,94	94,2	0,0	0,0	0,0	0,0
957	24	1,10	110,3	0,0	0,0	0,0	0,0
958	25	1,06	105,9	0,0	0,0	0,0	0,0
959	31	1,07	106,8	0,0	0,0	0,0	0,0
960	25	1,11	110,5	0,0	0,0	0,0	0,0
961	8	0,78	77,6	0,0	0,0	0,0	0,0
962	22	0,78	77,6	0,0	0,0	0,0	0,0
963	6	0,81	81,3	0,0	0,0	0,0	0,0
964	19	0,96	96,4	0,0	0,0	0,0	0,0
965	26	0,87	86,6	0,0	0,0	0,0	0,0
966	18	0,93	92,7	0,0	0,0	0,0	0,0
967	22	1,11	111,3	0,0	0,0	0,0	0,0
968	21	0,92	91,5	0,0	0,0	0,0	0,0
969	18	1,16	116,2	0,0	0,0	0,0	0,0
970	7	0,88	87,6	0,0	0,0	0,0	0,0
971	20	1,26	125,7	0,0	0,0	0,0	0,0
972	33	1,42	141,5	0,0	0,0	0,0	0,0
973	28	1,42	141,5	0,0	0,0	0,0	0,0
974	22	1,42	141,5	0,0	0,0	0,0	0,0
975	134	0,46	46,0	0,0	0,0	0,0	0,0
976	77	0,56	56,0	0,0	0,0	0,0	0,0
977	83	0,56	56,0	0,0	0,0	0,0	0,0
978	79	0,67	67,0	0,0	0,0	0,0	0,0
979	35	0,79	79,0	0,0	0,0	0,0	0,0
980	84	0,90	90,0	0,0	0,0	0,0	0,0
981	60	0,87	87,0	0,0	0,0	0,0	0,0
982	71	0,90	90,0	0,0	0,0	0,0	0,0
983	86	0,95	95,0	0,0	0,0	0,0	0,0
984	78	1,15	115,0	0,0	0,0	0,0	0,0
985	74	1,35	135,0	0,0	0,0	0,0	0,0
986	84	1,40	140,0	0,0	0,0	0,0	0,0
987	81	1,40	140,0	0,0	0,0	0,0	0,0
988	80	1,27	127,0	0,0	0,0	0,0	0,0
989	85	1,16	116,0	0,0	0,0	0,0	0,0
990	30	0,81	81,0	0,0	0,0	0,0	0,0
991	79	0,81	81,0	0,0	0,0	0,0	0,0
992	77	0,90	90,0	0,0	0,0	0,0	0,0
993	78	1,03	103,0	0,0	0,0	0,0	0,0
994	83	1,03	103,0	0,0	0,0	0,0	0,0
995	89	1,08	108,0	0,0	0,0	0,0	0,0
996	102	1,06	106,0	0,0	0,0	0,0	0,0
997	51	1,20	120,0	0,0	0,0	0,0	0,0
998	59	1,19	119,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
999	79	1,17	117,0	0,0	0,0	0,0	0,0
1000	47	0,64	64,0	0,0	0,0	0,0	0,0
1001	53	0,78	78,0	0,0	0,0	0,0	0,0
1002	40	0,98	98,0	0,0	0,0	0,0	0,0
1003	42	1,13	113,0	0,0	0,0	0,0	0,0
1004	37	1,15	115,0	0,0	0,0	0,0	0,0
1005	34	1,19	119,0	0,0	0,0	0,0	0,0
1006	36	1,19	119,0	0,0	0,0	0,0	0,0
1007	31	1,12	112,0	0,0	0,0	0,0	0,0
1008	28	0,98	98,0	0,0	0,0	0,0	0,0
1009	21	1,20	120,0	0,0	0,0	0,0	0,0
1010	30	1,34	134,0	0,0	0,0	0,0	0,0
1011	46	1,32	132,0	0,0	0,0	0,0	0,0
1012	48	1,24	124,0	0,0	0,0	0,0	0,0
1013	46	0,90	90,0	0,0	0,0	0,0	0,0
1014	23	0,85	85,0	0,0	0,0	0,0	0,0
1015	42	1,08	108,0	0,0	0,0	0,0	0,0
1016	39	1,15	115,0	0,0	0,0	0,0	0,0
1017	44	1,33	133,0	0,0	0,0	0,0	0,0
1018	47	1,33	133,0	0,0	0,0	0,0	0,0
1019	47	1,13	113,0	0,0	0,0	0,0	0,0
1020	48	1,13	113,0	0,0	0,0	0,0	0,0
1021	131	1,32	132,0	0,0	0,0	0,0	0,0
1022	132	1,73	173,0	0,0	0,0	0,0	0,0
1023	100	1,72	172,0	0,0	0,0	0,0	0,0
1024	43	1,82	182,0	0,0	0,0	0,0	0,0
1025	98	2,30	230,0	0,0	0,0	0,0	0,0
1026	124	1,50	150,0	0,0	0,0	0,0	0,0
1027	93	1,00	100,0	0,0	0,0	0,0	0,0
1028	102	0,86	86,0	0,0	0,0	0,0	0,0
1029	106	1,00	100,0	0,0	0,0	0,0	0,0
1030	58	1,44	144,0	0,0	0,0	0,0	0,0
1031	51	1,72	172,0	0,0	0,0	0,0	0,0
1032	102	1,76	176,0	0,0	0,0	0,0	0,0
1033	102	1,80	180,0	0,0	0,0	0,0	0,0
1034	102	1,84	184,0	0,0	0,0	0,0	0,0
1035	59	2,06	206,0	0,0	0,0	0,0	0,0
1036	54	2,23	223,0	0,0	0,0	0,0	0,0
1037	92	2,23	223,0	0,0	0,0	0,0	0,0
1038	72	2,30	230,0	0,0	0,0	0,0	0,0
1039	92	2,40	240,0	0,0	0,0	0,0	0,0
1040	68	1,19	119,0	0,0	0,0	0,0	0,0
1041	33	1,29	129,0	0,0	0,0	0,0	0,0
1042	32	1,70	170,0	0,0	0,0	0,0	0,0
1043	50	1,99	199,0	0,0	0,0	0,0	0,0
1044	32	1,97	197,0	0,0	0,0	0,0	0,0
1045	55	2,04	204,0	0,0	0,0	0,0	0,0
1046	40	1,98	198,0	0,0	0,0	0,0	0,0
1047	19	1,54	154,0	0,0	0,0	0,0	0,0
1048	20	1,57	157,0	0,0	0,0	0,0	0,0
1049	27	1,78	178,0	0,0	0,0	0,0	0,0
1050	65	1,92	192,0	0,0	0,0	0,0	0,0
1051	67	2,07	207,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1052	19	2,02	202,0	0,0	0,0	0,0	0,0
1053	52	2,02	202,0	0,0	0,0	0,0	0,0
1054	64	2,44	244,0	0,0	0,0	0,0	0,0
1055	37	2,01	201,0	0,0	0,0	0,0	0,0
1056	30	1,79	179,0	0,0	0,0	0,0	0,0
1057	51	1,16	116,0	0,0	0,0	0,0	0,0
1058	61	1,37	137,0	0,0	0,0	0,0	0,0
1059	106	1,77	177,0	0,0	0,0	0,0	0,0
1060	109	1,77	177,0	0,0	0,0	0,0	0,0
1061	104	1,77	177,0	0,0	0,0	0,0	0,0
1062	98	1,77	177,0	0,0	0,0	0,0	0,0
1063	93	1,77	177,0	0,0	0,0	0,0	0,0
1064	89	2,04	204,0	0,0	0,0	0,0	0,0
1065	80	2,04	204,0	0,0	0,0	0,0	0,0
1066	91	2,40	240,0	0,0	0,0	0,0	0,0
1067	93	2,69	269,0	0,0	0,0	0,0	0,0
1068	93	2,87	287,0	0,0	0,0	0,0	0,0
1069	98	2,87	287,0	0,0	0,0	0,0	0,0
1070	74	3,20	320,0	0,0	0,0	0,0	0,0
1071	84	2,94	294,0	0,0	0,0	0,0	0,0
1072	83	3,00	300,0	0,0	0,0	0,0	0,0
1073	94	3,00	300,0	0,0	0,0	0,0	0,0
1074	92	3,46	346,0	0,0	0,0	0,0	0,0
1075	93	3,47	347,0	0,0	0,0	0,0	0,0
1076	93	3,93	393,0	0,0	0,0	0,0	0,0
1077	62	3,15	315,0	0,0	0,0	0,0	0,0
1078	129	3,00	300,0	0,0	0,0	0,0	0,0
1079	100	3,14	314,0	0,0	0,0	0,0	0,0
1080	85	3,10	310,0	0,0	0,0	0,0	0,0
1081	94	3,26	326,0	0,0	0,0	0,0	0,0
1082	84	3,14	314,0	0,0	0,0	0,0	0,0
1083	92	3,17	317,0	0,0	0,0	0,0	0,0
1084	28	3,25	325,0	0,0	0,0	0,0	0,0
1085	94	3,57	357,0	0,0	0,0	0,0	0,0
1086	95	3,04	304,0	0,0	0,0	0,0	0,0
1087	97	3,04	304,0	0,0	0,0	0,0	0,0
1088	74	3,09	309,0	0,0	0,0	0,0	0,0
1089	99	3,03	303,0	0,0	0,0	0,0	0,0
1090	99	3,24	324,0	0,0	0,0	0,0	0,0
1091	64	3,44	344,0	0,0	0,0	0,0	0,0
1092	91	3,44	344,0	0,0	0,0	0,0	0,0
1093	85	3,40	340,0	0,0	0,0	0,0	0,0
1094	61	3,28	328,0	0,0	0,0	0,0	0,0
1095	63	1,30	130,0	0,0	0,0	0,0	0,0
1096	49	1,26	126,0	0,0	0,0	0,0	0,0
1097	49	1,26	126,0	0,0	0,0	0,0	0,0
1098	22	1,26	126,0	0,0	0,0	0,0	0,0
1099	110	1,58	158,0	0,0	0,0	0,0	0,0
1100	112	2,22	222,0	0,0	0,0	0,0	0,0
1101	104	2,75	275,2	0,0	0,0	0,0	0,0
1102	130	2,75	275,2	0,0	0,0	0,0	0,0
1103	129	2,88	288,1	0,0	0,0	0,0	0,0
1104	107	2,88	288,1	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1105	117	3,21	321,3	0,0	0,0	0,0	0,0
1106	142	3,55	354,5	0,0	0,0	0,0	0,0
1107	134	3,96	396,2	0,0	0,0	0,0	0,0
1108	120	3,96	396,2	0,0	0,0	0,0	0,0
1109	122	4,77	476,5	0,0	0,0	0,0	0,0
1110	142	4,77	476,5	0,0	0,0	0,0	0,0
1111	129	4,77	476,5	0,0	0,0	0,0	0,0
1112	124	4,62	462,3	0,0	0,0	0,0	0,0
1113	138	4,62	462,3	0,0	0,0	0,0	0,0
1114	134	4,14	414,1	0,0	0,0	0,0	0,0
1115	96	3,52	351,9	0,0	0,0	0,0	0,0
1116	118	3,52	351,9	0,0	0,0	0,0	0,0
1117	124	4,37	436,7	0,0	0,0	0,0	0,0
1118	93	4,37	436,7	0,0	0,0	0,0	0,0
1119	117	4,31	431,1	0,0	0,0	0,0	0,0
1120	128	4,31	431,1	0,0	0,0	0,0	0,0
1121	116	3,50	350,4	0,0	0,0	0,0	0,0
1122	94	4,23	423,1	0,0	0,0	0,0	0,0
1123	78	2,05	204,5	0,0	0,0	0,0	0,0
1124	128	2,89	289,3	0,0	0,0	0,0	0,0
1125	51	2,89	289,3	0,0	0,0	0,0	0,0
1126	69	1,73	173,4	0,0	0,0	0,0	0,0
1127	50	1,64	163,9	0,0	0,0	0,0	0,0
1128	64	1,82	181,7	0,0	0,0	0,0	0,0
1129	71	1,96	196,1	0,0	0,0	0,0	0,0
1130	62	2,06	206,1	0,0	0,0	0,0	0,0
1131	71	2,20	219,6	0,0	0,0	0,0	0,0
1132	72	2,37	237,4	0,0	0,0	0,0	0,0
1133	70	2,37	237,4	0,0	0,0	0,0	0,0
1134	72	2,62	261,8	0,0	0,0	0,0	0,0
1135	35	2,61	261,1	0,0	0,0	0,0	0,0
1136	65	2,61	261,1	0,0	0,0	0,0	0,0
1137	92	2,74	274,2	0,0	0,0	0,0	0,0
1138	84	2,74	274,2	0,0	0,0	0,0	0,0
1139	77	2,83	282,6	0,0	0,0	0,0	0,0
1140	84	2,83	282,6	0,0	0,0	0,0	0,0
1141	85	2,83	283,0	0,0	0,0	0,0	0,0
1142	61	3,06	306,0	0,0	0,0	0,0	0,0
1143	63	3,26	326,0	0,0	0,0	0,0	0,0
1144	49	3,26	326,0	0,0	0,0	0,0	0,0
1145	49	3,26	326,0	0,0	0,0	0,0	0,0
1146	22	2,92	292,0	0,0	0,0	0,0	0,0
1147	110	2,78	278,0	0,0	0,0	0,0	0,0
1148	112	2,64	264,0	0,0	0,0	0,0	0,0
1149	104	2,86	286,0	0,0	0,0	0,0	0,0
1150	130	3,18	318,0	0,0	0,0	0,0	0,0
1151	129	3,18	318,0	0,0	0,0	0,0	0,0
1152	107	1,80	180,0	0,0	0,0	0,0	0,0
1153	117	1,80	180,0	0,0	0,0	0,0	0,0
1154	142	2,44	244,0	0,0	0,0	0,0	0,0
1155	134	3,16	316,0	0,0	0,0	0,0	0,0
1156	120	3,16	316,0	0,0	0,0	0,0	0,0
1157	122	3,42	342,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1158	142	3,42	342,0	0,0	0,0	0,0	0,0
1159	129	3,51	351,0	0,0	0,0	0,0	0,0
1160	124	3,56	356,0	0,0	0,0	0,0	0,0
1161	138	3,71	371,0	0,0	0,0	0,0	0,0
1162	134	3,71	371,0	0,0	0,0	0,0	0,0
1163	96	3,46	346,0	0,0	0,0	0,0	0,0
1164	118	4,37	437,0	0,0	0,0	0,0	0,0
1165	124	4,37	437,0	0,0	0,0	0,0	0,0
1166	93	4,37	437,0	0,0	0,0	0,0	0,0
1167	117	4,28	428,0	0,0	0,0	0,0	0,0
1168	128	4,28	428,0	0,0	0,0	0,0	0,0
1169	116	4,08	408,0	0,0	0,0	0,0	0,0
1170	94	4,26	426,0	0,0	0,0	0,0	0,0
1171	78	4,26	426,0	0,0	0,0	0,0	0,0
1172	128	4,26	426,0	0,0	0,0	0,0	0,0
1173	51	4,28	428,0	0,0	0,0	0,0	0,0
1174	69	4,30	430,0	0,0	0,0	0,0	0,0
1175	50	4,30	430,0	0,0	0,0	0,0	0,0
1176	64	4,30	430,0	0,0	0,0	0,0	0,0
1177	71	4,08	408,0	0,0	0,0	0,0	0,0
1178	62	4,08	408,0	0,0	0,0	0,0	0,0
1179	71	4,62	462,0	0,0	0,0	0,0	0,0
1180	72	4,62	462,0	0,0	0,0	0,0	0,0
1181	70	4,61	461,0	0,0	0,0	0,0	0,0
1182	72	4,61	461,0	0,0	0,0	0,0	0,0
1183	35	4,62	462,0	0,0	0,0	0,0	0,0
1184	65	4,62	462,0	0,0	0,0	0,0	0,0
1185	92	4,04	404,0	0,0	0,0	0,0	0,0
1186	84	1,14	114,0	0,0	0,0	0,0	0,0
1187	77	1,32	132,0	0,0	0,0	0,0	0,0
1188	84	1,49	149,0	0,0	0,0	0,0	0,0
1189	134	1,61	161,0	0,0	0,0	0,0	0,0
1190	77	1,74	174,0	0,0	0,0	0,0	0,0
1191	83	1,86	186,0	0,0	0,0	0,0	0,0
1192	79	1,99	199,0	0,0	0,0	0,0	0,0
1193	35	2,11	211,0	0,0	0,0	0,0	0,0
1194	84	2,23	223,0	0,0	0,0	0,0	0,0
1195	60	2,23	223,0	0,0	0,0	0,0	0,0
1196	71	2,34	234,0	0,0	0,0	0,0	0,0
1197	86	2,34	234,0	0,0	0,0	0,0	0,0
1198	78	2,74	274,0	0,0	0,0	0,0	0,0
1199	74	2,74	274,0	0,0	0,0	0,0	0,0
1200	84	2,90	290,0	0,0	0,0	0,0	0,0
1201	81	2,90	290,0	0,0	0,0	0,0	0,0
1202	80	2,87	287,0	0,0	0,0	0,0	0,0
1203	85	2,87	287,0	0,0	0,0	0,0	0,0
1204	30	2,72	272,0	0,0	0,0	0,0	0,0
1205	79	2,35	235,0	0,0	0,0	0,0	0,0
1206	77	1,40	140,0	0,0	0,0	0,0	0,0
1207	78	1,54	154,0	0,0	0,0	0,0	0,0
1208	83	1,71	171,0	0,0	0,0	0,0	0,0
1209	89	1,83	183,0	0,0	0,0	0,0	0,0
1210	102	1,83	183,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1211	51	1,87	187,0	0,0	0,0	0,0	0,0
1212	59	1,11	111,0	0,0	0,0	0,0	0,0
1213	79	1,03	103,0	0,0	0,0	0,0	0,0
1214	47	1,35	135,0	0,0	0,0	0,0	0,0
1215	53	1,70	170,0	0,0	0,0	0,0	0,0
1216	40	1,70	170,0	0,0	0,0	0,0	0,0
1217	42	1,52	152,0	0,0	0,0	0,0	0,0
1218	37	1,96	196,0	0,0	0,0	0,0	0,0
1219	34	2,86	286,0	0,0	0,0	0,0	0,0
1220	36	2,86	286,0	0,0	0,0	0,0	0,0
1221	31	1,07	107,0	0,0	0,0	0,0	0,0
1222	28	1,10	110,0	0,0	0,0	0,0	0,0
1223	21	1,49	149,0	0,0	0,0	0,0	0,0
1224	30	1,00	100,0	0,0	0,0	0,0	0,0
1225	46	1,14	114,0	0,0	0,0	0,0	0,0
1226	48	1,17	117,0	0,0	0,0	0,0	0,0
1227	46	1,24	124,0	0,0	0,0	0,0	0,0
1228	23	1,63	163,0	0,0	0,0	0,0	0,0
1229	42	1,79	179,0	0,0	0,0	0,0	0,0
1230	39	2,12	212,0	0,0	0,0	0,0	0,0
1231	44	2,39	239,0	0,0	0,0	0,0	0,0
1232	47	2,91	291,0	0,0	0,0	0,0	0,0
1233	47	2,91	291,0	0,0	0,0	0,0	0,0
1234	48	2,22	222,0	0,0	0,0	0,0	0,0
1235	131	1,53	153,0	0,0	0,0	0,0	0,0
1236	132	1,36	136,0	0,0	0,0	0,0	0,0
1237	100	1,74	174,0	0,0	0,0	0,0	0,0
1238	43	1,96	196,0	0,0	0,0	0,0	0,0
1239	98	1,96	196,0	0,0	0,0	0,0	0,0
1240	124	2,04	204,0	0,0	0,0	0,0	0,0
1241	93	2,04	204,0	0,0	0,0	0,0	0,0
1242	102	2,41	241,0	0,0	0,0	0,0	0,0
1243	106	2,77	277,0	0,0	0,0	0,0	0,0
1244	58	2,77	277,0	0,0	0,0	0,0	0,0
1245	51	3,27	327,0	0,0	0,0	0,0	0,0
1246	102	3,27	327,0	0,0	0,0	0,0	0,0
1247	102	3,63	363,0	0,0	0,0	0,0	0,0
1248	102	3,63	363,0	0,0	0,0	0,0	0,0
1249	59	3,80	380,0	0,0	0,0	0,0	0,0
1250	54	3,80	380,0	0,0	0,0	0,0	0,0
1251	92	3,80	380,0	0,0	0,0	0,0	0,0
1252	72	3,80	380,0	0,0	0,0	0,0	0,0
1253	92	3,80	380,0	0,0	0,0	0,0	0,0
1254	68	3,80	380,0	0,0	0,0	0,0	0,0
1255	33	3,79	379,0	0,0	0,0	0,0	0,0
1256	32	3,13	313,0	0,0	0,0	0,0	0,0
1257	50	3,83	383,0	0,0	0,0	0,0	0,0
1258	85	3,83	383,0	0,0	0,0	0,0	0,0
1259	32	3,48	348,0	0,0	0,0	0,0	0,0
1260	84	3,45	345,0	0,0	0,0	0,0	0,0
1261	76	3,30	330,0	0,0	0,0	0,0	0,0
1262	73	3,24	324,0	0,0	0,0	0,0	0,0
1263	57	3,24	324,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1264	39	2,97	297,0	0,0	0,0	0,0	0,0
1265	65	3,04	304,0	0,0	0,0	0,0	0,0
1266	75	3,04	304,0	0,0	0,0	0,0	0,0
1267	78	2,96	296,0	0,0	0,0	0,0	0,0
1268	58	2,77	277,0	0,0	0,0	0,0	0,0
1269	70	2,74	274,0	0,0	0,0	0,0	0,0
1270	74	2,46	246,0	0,0	0,0	0,0	0,0
1271	73	2,69	269,0	0,0	0,0	0,0	0,0
1272	70	2,69	269,0	0,0	0,0	0,0	0,0
1273	62	2,91	291,0	0,0	0,0	0,0	0,0
1274	79	2,91	291,0	0,0	0,0	0,0	0,0
1275	85	3,07	307,0	0,0	0,0	0,0	0,0
1276	93	3,07	307,0	0,0	0,0	0,0	0,0
1277	52	3,13	313,0	0,0	0,0	0,0	0,0
1278	65	3,41	341,0	0,0	0,0	0,0	0,0
1279	49	3,56	356,0	0,0	0,0	0,0	0,0
1280	82	3,68	368,0	0,0	0,0	0,0	0,0
1281	102	3,68	368,0	0,0	0,0	0,0	0,0
1282	107	3,77	377,0	0,0	0,0	0,0	0,0
1283	97	3,77	377,0	0,0	0,0	0,0	0,0
1284	105	3,77	377,0	0,0	0,0	0,0	0,0
1285	141	3,68	368,0	0,0	0,0	0,0	0,0
1286	115	4,18	418,0	0,0	0,0	0,0	0,0
1287	96	4,49	449,0	0,0	0,0	0,0	0,0
1288	97	4,49	449,0	0,0	0,0	0,0	0,0
1289	121	4,49	449,0	0,0	0,0	0,0	0,0
1290	107	4,36	436,0	0,0	0,0	0,0	0,0
1291	125	4,81	481,0	0,0	0,0	0,0	0,0
1292	157	4,81	481,0	0,0	0,0	0,0	0,0
1293	141	4,81	481,0	0,0	0,0	0,0	0,0
1294	146	4,74	474,0	0,0	0,0	0,0	0,0
1295	198	5,02	502,0	0,0	0,0	0,0	0,0
1296	129	5,02	502,0	0,0	0,0	0,0	0,0
1297	99	5,04	504,0	0,0	0,0	0,0	0,0
1298	92	5,04	504,0	0,0	0,0	0,0	0,0
1299	97	5,05	505,0	0,0	0,0	0,0	0,0
1300	103	5,34	534,0	0,0	0,0	0,0	0,0
1301	93	5,34	534,0	0,0	0,0	0,0	0,0
1302	101	6,00	600,0	0,0	0,0	0,0	0,0
1303	137	6,00	600,0	0,0	0,0	0,0	0,0
1304	152	6,00	600,0	0,0	0,0	0,0	0,0
1305	187	6,00	600,0	0,0	0,0	0,0	0,0
1306	112	6,00	600,0	0,0	0,0	0,0	0,0
1307	127	5,07	507,0	0,0	0,0	0,0	0,0
1308	146	5,07	507,0	0,0	0,0	0,0	0,0
1309	130	4,89	489,0	0,0	0,0	0,0	0,0
1310	139	6,08	608,0	0,0	0,0	0,0	0,0
1311	129	5,06	506,0	0,0	0,0	0,0	0,0
1312	84	4,85	485,0	0,0	0,0	0,0	0,0
1313	145	4,48	446,0	1,0	0,0	0,0	0,0
1314	107	3,94	392,0	1,0	0,0	0,0	0,0
1315	107	3,40	338,0	1,0	0,0	0,0	0,0
1316	107	2,86	284,0	1,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1317	54	2,56	256,0	0,0	0,0	0,0	0,0
1318	51	2,03	203,0	0,0	0,0	0,0	0,0
1319	13	2,66	266,0	0,0	0,0	0,0	0,0
1320	21	2,99	299,0	0,0	0,0	0,0	0,0
1321	61	3,10	310,0	0,0	0,0	0,0	0,0
1322	69	3,10	310,0	0,0	0,0	0,0	0,0
1323	76	3,09	309,0	0,0	0,0	0,0	0,0
1324	72	3,00	300,0	0,0	0,0	0,0	0,0
1325	74	3,28	328,0	0,0	0,0	0,0	0,0
1326	33	3,48	348,0	0,0	0,0	0,0	0,0
1327	35	3,81	381,0	0,0	0,0	0,0	0,0
1328	79	3,81	381,0	0,0	0,0	0,0	0,0
1329	89	3,69	369,0	0,0	0,0	0,0	0,0
1330	93	4,04	404,0	0,0	0,0	0,0	0,0
1331	112	4,33	433,0	0,0	0,0	0,0	0,0
1332	82	4,83	483,0	0,0	0,0	0,0	0,0
1333	84	4,83	483,0	0,0	0,0	0,0	0,0
1334	67	3,43	343,0	0,0	0,0	0,0	0,0
1335	64	3,43	343,0	0,0	0,0	0,0	0,0
1336	82	3,49	349,0	0,0	0,0	0,0	0,0
1337	80	3,49	349,0	0,0	0,0	0,0	0,0
1338	58	3,39	339,0	0,0	0,0	0,0	0,0
1339	72	3,27	327,0	0,0	0,0	0,0	0,0
1340	36	3,33	333,0	0,0	0,0	0,0	0,0
1341	78	3,33	333,0	0,0	0,0	0,0	0,0
1342	82	3,40	340,0	0,0	0,0	0,0	0,0
1343	83	3,46	346,0	0,0	0,0	0,0	0,0
1344	79	3,73	373,0	0,0	0,0	0,0	0,0
1345	72	3,73	373,0	0,0	0,0	0,0	0,0
1346	81	3,51	351,0	0,0	0,0	0,0	0,0
1347	92	3,65	365,0	0,0	0,0	0,0	0,0
1348	59	3,54	354,0	0,0	0,0	0,0	0,0
1349	61	3,51	351,0	0,0	0,0	0,0	0,0
1350	52	3,26	326,0	0,0	0,0	0,0	0,0
1351	59	3,26	326,0	0,0	0,0	0,0	0,0
1352	62	2,56	256,0	0,0	0,0	0,0	0,0
1353	134	2,56	256,0	0,0	0,0	0,0	0,0
1354	133	2,65	263,0	1,0	0,0	0,0	0,0
1355	103	2,65	263,0	1,0	0,0	0,0	0,0
1356	139	2,65	263,0	1,0	0,0	0,0	0,0
1357	60	3,75	375,0	0,0	0,0	0,0	0,0
1358	43	3,70	370,0	0,0	0,0	0,0	0,0
1359	139	4,09	409,0	0,0	0,0	0,0	0,0
1360	129	4,09	409,0	0,0	0,0	0,0	0,0
1361	110	4,23	423,0	0,0	0,0	0,0	0,0
1362	140	4,23	423,0	0,0	0,0	0,0	0,0
1363	138	4,75	475,0	0,0	0,0	0,0	0,0
1364	116	4,75	475,0	0,0	0,0	0,0	0,0
1365	131	4,75	475,1	0,0	0,0	0,0	0,0
1366	139	4,15	415,3	0,0	0,0	0,0	0,0
1367	111	4,34	434,1	0,0	0,0	0,0	0,0
1368	177	4,34	434,1	0,0	0,0	0,0	0,0
1369	283	4,34	434,1	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1370	100	4,16	415,7	0,0	0,0	0,0	0,0
1371	120	4,16	415,7	0,0	0,0	0,0	0,0
1372	150	4,24	424,0	0,0	0,0	0,0	0,0
1373	134	4,24	424,0	0,0	0,0	0,0	0,0
1374	114	4,24	424,0	0,0	0,0	0,0	0,0
1375	114	4,24	424,0	0,0	0,0	0,0	0,0
1376	114	4,24	424,0	0,0	0,0	0,0	0,0
1377	114	4,21	421,0	0,0	0,0	0,0	0,0
1378	114	4,18	418,0	0,0	0,0	0,0	0,0
1379	114	4,15	415,0	0,0	0,0	0,0	0,0
1380	88	4,25	424,8	0,0	0,0	0,0	0,0
1381	88	4,35	434,5	0,0	0,0	0,0	0,0
1382	50	4,44	444,0	0,0	0,0	0,0	0,0
1383	57	4,55	454,6	0,0	0,0	0,0	0,0
1384	99	4,55	454,6	0,0	0,0	0,0	0,0
1385	128	4,70	470,1	0,0	0,0	0,0	0,0
1386	179	4,70	470,1	0,0	0,0	0,0	0,0
1387	188	4,70	470,1	0,0	0,0	0,0	0,0
1388	178	4,95	494,8	0,0	0,0	0,0	0,0
1389	125	4,95	494,8	0,0	0,0	0,0	0,0
1390	161	4,95	494,8	0,0	0,0	0,0	0,0
1391	148	5,16	515,8	0,0	0,0	0,0	0,0
1392	142	5,50	549,5	0,4	0,0	0,0	0,0
1393	85	5,67	566,3	0,4	0,0	0,0	0,0
1394	175	5,83	583,1	0,4	0,0	0,0	0,0
1395	125	6,08	608,2	0,0	0,0	0,0	0,0
1396	107	6,08	608,2	0,0	0,0	0,0	0,0
1397	97	6,18	618,2	0,0	0,0	0,0	0,0
1398	96	6,18	618,2	0,0	0,0	0,0	0,0
1399	138	6,18	618,2	0,0	0,0	0,0	0,0
1400	165	6,08	607,8	0,0	0,0	0,0	0,0
1401	147	6,08	607,8	0,0	0,0	0,0	0,0
1402	161	6,55	655,3	0,0	0,0	0,0	0,0
1403	155	7,03	702,7	0,0	0,0	0,0	0,0
1404	127	7,03	702,7	0,0	0,0	0,0	0,0
1405	155	6,68	668,1	0,0	0,0	0,0	0,0
1406	131	6,77	677,4	0,0	0,0	0,0	0,0
1407	149	6,87	686,6	0,0	0,0	0,0	0,0
1408	153	6,87	686,6	0,0	0,0	0,0	0,0
1409	132	6,87	686,6	0,6	0,0	0,0	0,0
1410	134	6,84	682,9	0,6	0,0	0,0	0,0
1411	123	6,10	610,0	0,0	0,0	0,0	0,0
1412	160	6,10	610,0	0,0	0,0	0,0	0,0
1413	92	6,15	613,0	1,0	0,0	0,0	0,0
1414	85	4,86	486,0	0,0	0,0	0,0	0,0
1415	49	5,35	535,0	0,0	0,0	0,0	0,0
1416	80	5,35	535,0	0,0	0,0	0,0	0,0
1417	91	5,35	535,0	0,0	0,0	0,0	0,0
1418	83	5,89	584,0	1,0	1,0	0,0	0,0
1419	97	5,89	584,0	1,0	1,0	0,0	0,0
1420	71	6,71	671,0	0,0	0,0	0,0	0,0
1421	67	6,71	671,0	0,0	0,0	0,0	0,0
1422	84	6,71	671,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1423	97	6,49	649,0	0,0	0,0	0,0	0,0
1424	100	6,18	618,0	0,0	0,0	0,0	0,0
1425	89	6,18	618,0	0,0	0,0	0,0	0,0
1426	90	6,18	618,0	0,0	0,0	0,0	0,0
1427	77	6,05	605,0	0,0	0,0	0,0	0,0
1428	77	6,27	627,0	0,0	0,0	0,0	0,0
1429	76	6,48	648,0	0,0	0,0	0,0	0,0
1430	78	6,48	648,0	0,0	0,0	0,0	0,0
1431	86	6,47	647,0	0,0	0,0	0,0	0,0
1432	89	6,82	682,0	0,0	0,0	0,0	0,0
1433	84	7,85	785,0	0,0	0,0	0,0	0,0
1434	85	7,85	785,0	0,0	0,0	0,0	0,0
1435	104	7,85	785,0	0,0	0,0	0,0	0,0
1436	87	7,85	785,0	0,0	0,0	0,0	0,0
1437	101	7,67	767,0	0,0	0,0	0,0	0,0
1438	84	8,24	824,0	0,0	0,0	0,0	0,0
1439	100	8,24	824,0	0,0	0,0	0,0	0,0
1440	92	8,12	812,0	0,0	0,0	0,0	0,0
1441	78	8,12	812,0	0,0	0,0	0,0	0,0
1442	91	8,01	801,0	0,0	0,0	0,0	0,0
1443	75	8,00	800,0	0,0	0,0	0,0	0,0
1444	75	8,00	800,0	0,0	0,0	0,0	0,0
1445	77	7,99	799,0	0,0	0,0	0,0	0,0
1446	104	7,58	758,0	0,0	0,0	0,0	0,0
1447	123	7,58	758,0	0,0	0,0	0,0	0,0
1448	46	7,11	711,0	0,0	0,0	0,0	0,0
1449	18	4,71	471,0	0,0	0,0	0,0	0,0
1450	23	5,14	514,0	0,0	0,0	0,0	0,0
1451	80	5,14	514,0	0,0	0,0	0,0	0,0
1452	106	5,57	557,0	0,0	0,0	0,0	0,0
1453	112	7,38	736,0	1,0	0,0	0,0	0,0
1454	108	7,36	736,0	0,0	0,0	0,0	0,0
1455	91	7,82	782,0	0,0	0,0	0,0	0,0
1456	173	7,82	782,0	0,0	0,0	0,0	0,0
1457	175	8,29	829,0	0,0	0,0	0,0	0,0
1458	149	8,29	829,0	0,0	0,0	0,0	0,0
1459	116	8,29	829,0	0,0	0,0	0,0	0,0
1460	137	7,72	772,0	0,0	0,0	0,0	0,0
1461	160	7,72	772,0	0,0	0,0	0,0	0,0
1462	43	6,70	670,0	0,0	0,0	0,0	0,0
1463	27	5,32	532,0	0,0	0,0	0,0	0,0
1464	31	4,22	422,0	0,0	0,0	0,0	0,0
1465	59	3,79	379,0	0,0	0,0	0,0	0,0
1466	38	3,46	346,0	0,0	0,0	0,0	0,0
1467	29	3,83	381,0	1,0	0,0	0,0	0,0
1468	67	4,18	418,0	0,0	0,0	0,0	0,0
1469	100	4,69	469,0	0,0	0,0	0,0	0,0
1470	118	4,69	469,0	0,0	0,0	0,0	0,0
1471	88	5,09	509,0	0,0	0,0	0,0	0,0
1472	88	5,26	526,0	0,0	0,0	0,0	0,0
1473	104	5,26	526,0	0,0	0,0	0,0	0,0
1474	92	5,40	540,0	0,0	0,0	0,0	0,0
1475	45	5,44	544,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1476	60	5,32	532,0	0,0	0,0	0,0	0,0
1477	92	5,28	528,0	0,0	0,0	0,0	0,0
1478	78	6,02	602,0	0,0	0,0	0,0	0,0
1479	61	6,48	648,0	0,0	0,0	0,0	0,0
1480	126	6,48	648,0	0,0	0,0	0,0	0,0
1481	132	6,62	662,0	0,0	0,0	0,0	0,0
1482	126	6,62	662,0	0,0	0,0	0,0	0,0
1483	116	7,12	712,0	0,0	0,0	0,0	0,0
1484	122	7,12	712,0	0,0	0,0	0,0	0,0
1485	132	7,12	712,0	0,0	0,0	0,0	0,0
1486	127	7,12	712,0	0,0	0,0	0,0	0,0
1487	80	6,70	670,0	0,0	0,0	0,0	0,0
1488	37	6,56	656,0	0,0	0,0	0,0	0,0
1489	52	6,60	660,0	0,0	0,0	0,0	0,0
1490	80	6,60	660,0	0,0	0,0	0,0	0,0
1491	79	7,09	709,0	0,0	0,0	0,0	0,0
1492	92	6,94	694,0	0,0	0,0	0,0	0,0
1493	61	7,28	728,0	0,0	0,0	0,0	0,0
1494	91	7,54	754,0	0,0	0,0	0,0	0,0
1495	82	7,54	754,0	0,0	0,0	0,0	0,0
1496	128	7,52	752,0	0,0	0,0	0,0	0,0
1497	101	7,52	752,0	0,0	0,0	0,0	0,0
1498	77	8,18	818,0	0,0	0,0	0,0	0,0
1499	72	8,18	818,0	0,0	0,0	0,0	0,0
1500	91	8,00	800,0	0,0	0,0	0,0	0,0
1501	87	7,68	768,0	0,0	0,0	0,0	0,0
1502	100	7,68	768,0	0,0	0,0	0,0	0,0
1503	92	7,70	770,0	0,0	0,0	0,0	0,0
1504	76	7,91	791,0	0,0	0,0	0,0	0,0
1505	81	7,91	791,0	0,0	0,0	0,0	0,0
1506	85	7,53	753,0	0,0	0,0	0,0	0,0
1507	70	6,91	691,0	0,0	0,0	0,0	0,0
1508	319	4,93	493,0	0,0	0,0	0,0	0,0
1509	115	4,54	454,0	0,0	0,0	0,0	0,0
1510	101	5,78	578,0	0,0	0,0	0,0	0,0
1511	98	5,94	594,0	0,0	0,0	0,0	0,0
1512	95	5,94	594,0	0,0	0,0	0,0	0,0
1513	99	7,14	714,0	0,0	0,0	0,0	0,0
1514	102	7,14	714,0	0,0	0,0	0,0	0,0
1515	85	7,16	716,0	0,0	0,0	0,0	0,0
1516	111	7,68	768,0	0,0	0,0	0,0	0,0
1517	117	7,68	768,0	0,0	0,0	0,0	0,0
1518	84	7,72	772,0	0,0	0,0	0,0	0,0
1519	86	7,83	783,0	0,0	0,0	0,0	0,0
1520	65	8,10	810,0	0,0	0,0	0,0	0,0
1521	106	8,10	810,0	0,0	0,0	0,0	0,0
1522	45	8,08	808,0	0,0	0,0	0,0	0,0
1523	70	8,08	808,0	0,0	0,0	0,0	0,0
1524	96	7,42	742,0	0,0	0,0	0,0	0,0
1525	108	7,21	721,0	0,0	0,0	0,0	0,0
1526	32	6,96	696,0	0,0	0,0	0,0	0,0
1527	36	4,26	426,0	0,0	0,0	0,0	0,0
1528	81	4,26	426,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1529	90	3,28	328,0	0,0	0,0	0,0	0,0
1530	72	3,15	315,0	0,0	0,0	0,0	0,0
1531	89	2,84	284,0	0,0	0,0	0,0	0,0
1532	78	2,56	256,0	0,0	0,0	0,0	0,0
1533	83	2,55	255,0	0,0	0,0	0,0	0,0
1534	53	2,58	258,0	0,0	0,0	0,0	0,0
1535	31	2,32	232,0	0,0	0,0	0,0	0,0
1536	21	3,04	303,5	0,0	0,0	0,0	0,0
1537	24	3,18	318,4	0,0	0,0	0,0	0,0
1538	77	3,29	328,7	0,0	0,0	0,0	0,0
1539	93	3,29	328,7	0,0	0,0	0,0	0,0
1540	75	3,29	328,7	0,0	0,0	0,0	0,0
1541	40	3,16	316,0	0,0	0,0	0,0	0,0
1542	36	3,02	302,0	0,0	0,0	0,0	0,0
1543	57	3,01	301,0	0,0	0,0	0,0	0,0
1544	33	2,88	288,0	0,0	0,0	0,0	0,0
1545	39	2,73	273,0	0,0	0,0	0,0	0,0
1546	47	2,44	244,0	0,0	0,0	0,0	0,0
1547	31	2,53	253,0	0,0	0,0	0,0	0,0
1548	25	2,42	242,0	0,0	0,0	0,0	0,0
1549	30	2,24	224,0	0,0	0,0	0,0	0,0
1550	79	2,39	237,0	1,0	0,0	0,0	0,0
1551	36	2,34	234,0	0,0	0,0	0,0	0,0
1552	34	2,85	285,0	0,0	0,0	0,0	0,0
1553	47	4,32	432,0	0,0	0,0	0,0	0,0
1554	56	4,97	497,0	0,0	0,0	0,0	0,0
1555	110	4,97	497,0	0,0	0,0	0,0	0,0
1556	86	5,84	584,0	0,0	0,0	0,0	0,0
1557	105	6,42	642,0	0,0	0,0	0,0	0,0
1558	103	6,42	642,0	0,0	0,0	0,0	0,0
1559	117	7,29	729,0	0,0	0,0	0,0	0,0
1560	93	7,29	729,0	0,0	0,0	0,0	0,0
1561	112	7,54	754,0	0,0	0,0	0,0	0,0
1562	126	7,77	777,0	0,0	0,0	0,0	0,0
1563	95	7,77	777,0	0,0	0,0	0,0	0,0
1564	96	7,99	799,0	0,0	0,0	0,0	0,0
1565	98	8,18	818,0	0,0	0,0	0,0	0,0
1566	72	8,60	860,0	0,0	0,0	0,0	0,0
1567	87	8,60	860,0	0,0	0,0	0,0	0,0
1568	103	8,92	892,0	0,0	0,0	0,0	0,0
1569	102	8,92	892,0	0,0	0,0	0,0	0,0
1570	109	9,61	961,0	0,0	0,0	0,0	0,0
1571	111	9,63	963,0	0,0	0,0	0,0	0,0
1572	122	9,63	963,0	0,0	0,0	0,0	0,0
1573	94	9,68	968,0	0,0	0,0	0,0	0,0
1574	71	9,81	981,0	0,0	0,0	0,0	0,0
1575	123	9,81	981,0	0,0	0,0	0,0	0,0
1576	107	9,66	966,0	0,0	0,0	0,0	0,0
1577	105	9,66	966,0	0,0	0,0	0,0	0,0
1578	84	9,55	955,0	0,0	0,0	0,0	0,0
1579	66	9,05	905,0	0,0	0,0	0,0	0,0
1580	96	8,50	850,0	0,0	0,0	0,0	0,0
1581	100	8,50	850,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1582	87	8,51	851,0	0,0	0,0	0,0	0,0
1583	122	9,12	912,0	0,0	0,0	0,0	0,0
1584	103	9,12	912,0	0,0	0,0	0,0	0,0
1585	81	8,73	873,0	0,0	0,0	0,0	0,0
1586	113	8,51	851,0	0,0	0,0	0,0	0,0
1587	102	8,51	851,0	0,0	0,0	0,0	0,0
1588	120	7,86	786,0	0,0	0,0	0,0	0,0
1589	95	7,80	780,0	0,0	0,0	0,0	0,0
1590	115	5,87	587,0	0,0	0,0	0,0	0,0
1591	107	5,87	587,0	0,0	0,0	0,0	0,0
1592	103	5,77	577,0	0,0	0,0	0,0	0,0
1593	97	5,79	579,0	0,0	0,0	0,0	0,0
1594	77	5,45	545,0	0,0	0,0	0,0	0,0
1595	100	4,28	428,0	0,0	0,0	0,0	0,0
1596	87	6,09	609,0	0,0	0,0	0,0	0,0
1597	114	6,09	609,0	0,0	0,0	0,0	0,0
1598	91	6,61	661,0	0,0	0,0	0,0	0,0
1599	90	6,61	661,0	0,0	0,0	0,0	0,0
1600	102	6,78	677,8	0,0	0,0	0,0	0,0
1601	72	6,78	677,8	0,0	0,0	0,0	0,0
1602	100	6,78	677,8	0,0	0,0	0,0	0,0
1603	127	7,72	771,8	0,0	0,0	0,0	0,0
1604	140	8,10	809,5	0,0	0,0	0,0	0,0
1605	124	8,10	809,5	0,0	0,0	0,0	0,0
1606	122	8,15	815,2	0,0	0,0	0,0	0,0
1607	123	8,15	815,2	0,0	0,0	0,0	0,0
1608	123	8,85	885,4	0,0	0,0	0,0	0,0
1609	104	8,85	885,4	0,0	0,0	0,0	0,0
1610	104	9,20	920,1	0,0	0,0	0,0	0,0
1611	84	9,20	920,1	0,0	0,0	0,0	0,0
1612	72	9,07	907,4	0,0	0,0	0,0	0,0
1613	96	9,29	929,3	0,0	0,0	0,0	0,0
1614	110	9,29	929,3	0,0	0,0	0,0	0,0
1615	105	9,29	929,3	0,0	0,0	0,0	0,0
1616	111	9,24	923,8	0,0	0,0	0,0	0,0
1617	75	9,93	992,6	0,0	0,0	0,0	0,0
1618	122	9,93	992,6	0,0	0,0	0,0	0,0
1619	119	9,90	989,6	0,0	0,0	0,0	0,0
1620	110	10,31	1030,9	0,0	0,0	0,0	0,0
LOBITOS Mbr. (TALARA FM).							
1621	91,9	10,31	1030,9	0,0	0,0	0,0	0,0
1622	94,5	10,23	1022,6	0,0	0,0	0,0	0,0
1623	93,9	10,23	1022,6	0,0	0,0	0,0	0,0
1624	111,9	10,21	1020,6	0,0	0,0	0,0	0,0
1625	113,2	10,21	1020,6	0,0	0,0	0,0	0,0
1626	113,4	9,89	989,1	0,0	0,0	0,0	0,0
1627	107,6	8,79	879,3	0,0	0,0	0,0	0,0
1628	103,4	8,79	879,3	0,0	0,0	0,0	0,0
1629	94,3	7,81	780,8	0,0	0,0	0,0	0,0
1630	98,0	7,74	773,5	0,0	0,0	0,0	0,0
1631	88,5	7,74	773,5	0,0	0,0	0,0	0,0
1632	88,5	7,74	773,5	0,0	0,0	0,0	0,0
1633	88,5	7,74	773,5	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1634	57,4	7,24	723,5	0,0	0,0	0,0	0,0
1635	87,6	7,57	757,1	0,0	0,0	0,0	0,0
1636	108,2	7,57	757,1	0,0	0,0	0,0	0,0
1637	85,6	7,54	754,1	0,0	0,0	0,0	0,0
1638	89,5	8,13	812,5	0,0	0,0	0,0	0,0
1639	98,7	8,13	812,5	0,0	0,0	0,0	0,0
1640	110,4	8,13	812,5	0,0	0,0	0,0	0,0
1641	114,0	8,09	808,6	0,0	0,0	0,0	0,0
1642	99,4	7,59	759,3	0,0	0,0	0,0	0,0
1643	95,5	7,74	774,0	0,0	0,0	0,0	0,0
1644	116,5	7,74	774,0	0,0	0,0	0,0	0,0
1645	100,0	8,17	817,4	0,0	0,0	0,0	0,0
1646	103,4	8,17	817,4	0,0	0,0	0,0	0,0
1647	125,7	7,89	788,6	0,0	0,0	0,0	0,0
1648	113,9	8,53	853,0	0,0	0,0	0,0	0,0
1649	93,9	8,53	853,0	0,0	0,0	0,0	0,0
1650	113,6	9,11	910,5	0,0	0,0	0,0	0,0
1651	127,3	9,95	994,5	0,0	0,0	0,0	0,0
1652	104,3	9,95	994,5	0,0	0,0	0,0	0,0
1653	105,3	9,95	995,0	0,0	0,0	0,0	0,0
1654	96,9	9,95	995,0	0,0	0,0	0,0	0,0
1655	84,3	9,95	995,0	0,0	0,0	0,0	0,0
1656	96,8	9,65	965,0	0,0	0,0	0,0	0,0
1657	109,6	9,49	949,3	0,0	0,0	0,0	0,0
1658	97,8	9,56	956,4	0,0	0,0	0,0	0,0
1659	94,9	9,56	956,4	0,0	0,0	0,0	0,0
1660	97,2	9,52	952,0	0,0	0,0	0,0	0,0
1661	109,3	9,85	985,0	0,0	0,0	0,0	0,0
1662	94,3	9,85	985,0	0,0	0,0	0,0	0,0
1663	103,2	10,20	1019,7	0,0	0,0	0,0	0,0
1664	93,6	10,20	1019,7	0,0	0,0	0,0	0,0
1665	125,9	9,36	936,0	0,0	0,0	0,0	0,0
1666	97,1	9,95	994,7	0,0	0,0	0,0	0,0
1667	105,6	9,95	994,7	0,0	0,0	0,0	0,0
1668	96,2	10,07	1007,2	0,0	0,0	0,0	0,0
1669	112,0	10,51	1051,3	0,0	0,0	0,0	0,0
1670	105,5	10,51	1051,3	0,0	0,0	0,0	0,0
1671	113,5	10,59	1059,1	0,0	0,0	0,0	0,0
1672	84,7	10,93	1093,1	0,0	0,0	0,0	0,0
1673	96,4	10,93	1093,1	0,0	0,0	0,0	0,0
1674	100,8	11,08	1107,5	0,0	0,0	0,0	0,0
1675	103,9	11,08	1107,5	0,0	0,0	0,0	0,0
1676	102,1	11,40	1140,4	0,0	0,0	0,0	0,0
1677	107,9	11,40	1140,4	0,0	0,0	0,0	0,0
1678	96,2	10,02	1002,1	0,0	0,0	0,0	0,0
1679	115,7	10,75	1074,8	0,0	0,0	0,0	0,0
1680	90,1	11,78	1178,2	0,0	0,0	0,0	0,0
1681	85,8	11,78	1178,2	0,0	0,0	0,0	0,0
1682	101,0	11,79	1178,9	0,0	0,0	0,0	0,0
1683	100,5	11,79	1178,9	0,0	0,0	0,0	0,0
1684	99,2	12,57	1257,3	0,0	0,0	0,0	0,0
1685	101,1	12,57	1257,3	0,0	0,0	0,0	0,0
1686	87,0	11,55	1155,1	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1687	91,4	11,55	1155,1	0,8	0,3	0,0	0,0
1688	88,4	10,56	1056,0	0,8	0,3	0,0	0,0
1689	76,1	9,27	927,4	0,0	0,0	0,0	0,0
1690	72,4	9,27	927,4	0,0	0,0	0,0	0,0
1691	71,8	9,27	927,4	0,0	0,0	0,0	0,0
1692	54,6	9,18	918,2	0,0	0,0	0,0	0,0
1693	78,9	8,88	888,4	0,0	0,0	0,0	0,0
1694	79,4	7,89	789,0	0,0	0,0	0,0	0,0
1695	71,6	7,68	768,0	0,0	0,0	0,0	0,0
1696	74,9	6,89	689,0	0,0	0,0	0,0	0,0
1697	62,3	6,98	698,0	0,0	0,0	0,0	0,0
1698	0,0	1,57	157,0	0,0	0,0	0,0	0,0
1699	48,5	1,73	173,0	0,0	0,0	0,0	0,0
1700	48,5	1,73	173,0	0,0	0,0	0,0	0,0
1701	41,5	1,93	193,0	0,0	0,0	0,0	0,0
1702	58,3	2,08	208,0	0,0	0,0	0,0	0,0
1703	50,4	2,24	224,0	0,0	0,0	0,0	0,0
1704	58,9	2,38	238,0	0,0	0,0	0,0	0,0
1705	49,4	2,66	266,0	0,0	0,0	0,0	0,0
1706	46,7	2,74	274,0	0,0	0,0	0,0	0,0
1707	53,4	2,98	298,0	0,0	0,0	0,0	0,0
1708	75,3	2,95	295,0	0,0	0,0	0,0	0,0
1709	64,4	2,94	294,0	0,0	0,0	0,0	0,0
1710	61,4	3,13	313,0	0,0	0,0	0,0	0,0
1711	59,8	3,16	316,0	0,0	0,0	0,0	0,0
1712	47,0	3,14	314,0	0,0	0,0	0,0	0,0
1713	58,2	3,09	309,0	0,0	0,0	0,0	0,0
1714	55,9	2,84	284,0	0,0	0,0	0,0	0,0
1715	56,0	2,35	235,0	0,0	0,0	0,0	0,0
1716	87,5	2,69	269,0	0,0	0,0	0,0	0,0
1717	126,3	3,06	306,0	0,0	0,0	0,0	0,0
1718	113,3	3,06	306,0	0,0	0,0	0,0	0,0
1719	99,3	3,22	322,0	0,0	0,0	0,0	0,0
1720	67,4	3,47	347,0	0,0	0,0	0,0	0,0
1721	82,8	3,47	347,0	0,0	0,0	0,0	0,0
1722	95,9	3,48	348,0	0,0	0,0	0,0	0,0
1723	95,2	3,76	376,0	0,0	0,0	0,0	0,0
1724	131,3	3,76	376,0	0,0	0,0	0,0	0,0
1725	119,2	3,96	396,0	0,0	0,0	0,0	0,0
1726	89,2	3,96	396,0	0,0	0,0	0,0	0,0
1727	112,7	3,99	399,0	0,0	0,0	0,0	0,0
1728	125,5	4,57	457,0	0,0	0,0	0,0	0,0
1729	120,0	4,57	457,0	0,0	0,0	0,0	0,0
1730	120,0	4,57	457,0	0,0	0,0	0,0	0,0
1731	96,6	4,93	493,0	0,0	0,0	0,0	0,0
1732	113,7	4,93	493,0	0,0	0,0	0,0	0,0
1733	104,2	4,73	473,0	0,0	0,0	0,0	0,0
1734	131,4	4,89	489,0	0,0	0,0	0,0	0,0
1735	95,4	4,89	489,0	0,0	0,0	0,0	0,0
1736	102,9	5,09	509,0	0,0	0,0	0,0	0,0
1737	126,9	5,09	509,0	0,0	0,0	0,0	0,0
1738	132,1	4,99	499,0	0,0	0,0	0,0	0,0
1739	104,2	5,06	506,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1740	150,2	5,06	506,0	0,0	0,0	0,0	0,0
1741	120,4	5,69	569,0	0,0	0,0	0,0	0,0
1742	116,2	5,69	569,0	0,0	0,0	0,0	0,0
1743	155,9	5,69	569,0	0,0	0,0	0,0	0,0
1744	143,3	5,56	556,0	0,0	0,0	0,0	0,0
1745	132,1	5,56	556,0	0,0	0,0	0,0	0,0
1746	143,5	5,48	548,0	0,0	0,0	0,0	0,0
1747	83,8	5,60	560,0	0,0	0,0	0,0	0,0
1748	132,3	5,60	560,0	0,0	0,0	0,0	0,0
1749	108,9	5,70	570,0	0,0	0,0	0,0	0,0
1750	130,9	5,70	570,0	0,0	0,0	0,0	0,0
1751	117,8	6,03	603,0	0,0	0,0	0,0	0,0
1752	103,6	6,03	603,0	0,0	0,0	0,0	0,0
1753	114,4	5,41	541,0	0,0	0,0	0,0	0,0
1754	107,5	5,41	541,0	0,0	0,0	0,0	0,0
1755	104,2	5,47	547,0	0,0	0,0	0,0	0,0
1756	122,5	5,47	547,0	0,0	0,0	0,0	0,0
1757	118,3	5,20	520,0	0,0	0,0	0,0	0,0
1758	131,4	5,20	520,0	0,0	0,0	0,0	0,0
1759	99,2	4,80	480,0	0,0	0,0	0,0	0,0
1760	10,6	4,75	475,0	0,0	0,0	0,0	0,0
1761	122,2	4,75	475,0	0,0	0,0	0,0	0,0
1762	148,2	5,14	514,0	0,0	0,0	0,0	0,0
1763	150,0	5,40	540,0	0,0	0,0	0,0	0,0
1764	108,9	5,40	540,0	0,0	0,0	0,0	0,0
1765	117,1	4,89	489,0	0,0	0,0	0,0	0,0
1766	197,1	4,89	489,0	0,0	0,0	0,0	0,0
1767	149,9	4,89	489,0	0,0	0,0	0,0	0,0
1768	137,7	4,80	480,0	0,0	0,0	0,0	0,0
1769	114,9	4,75	475,0	0,0	0,0	0,0	0,0
1770	143,8	4,71	471,0	0,0	0,0	0,0	0,0
1771	93,8	4,95	495,0	0,0	0,0	0,0	0,0
1772	123,0	4,95	495,0	0,0	0,0	0,0	0,0
1773	143,5	4,95	495,0	0,0	0,0	0,0	0,0
1774	131,2	5,20	520,0	0,0	0,0	0,0	0,0
1775	64,9	5,87	587,0	0,0	0,0	0,0	0,0
1776	132,0	2,56	256,0	0,0	0,0	0,0	0,0
1777	131,9	2,99	299,0	0,0	0,0	0,0	0,0
1778	142,4	4,61	461,0	0,0	0,0	0,0	0,0
1779	144,1	4,61	461,0	0,0	0,0	0,0	0,0
1780	186,4	4,14	414,0	0,0	0,0	0,0	0,0
1781	148,3	4,10	405,0	1,0	1,0	0,0	0,0
1782	90,5	3,75	370,0	1,0	1,0	0,0	0,0
1783	129,4	3,77	372,0	1,0	1,0	0,0	0,0
1784	143,5	3,55	350,0	1,0	1,0	0,0	0,0
1785	172,8	3,68	368,0	0,0	0,0	0,0	0,0
1786	126,8	4,65	465,0	0,0	0,0	0,0	0,0
1787	43,6	4,65	465,0	0,0	0,0	0,0	0,0
1788	168,4	4,78	478,0	0,0	0,0	0,0	0,0
1789	149,6	4,78	478,0	0,0	0,0	0,0	0,0
1790	94,2	4,68	468,0	0,0	0,0	0,0	0,0
1791	96,4	4,68	468,0	0,0	0,0	0,0	0,0
1792	72,9	4,68	468,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1793	0,6	3,31	331,0	0,0	0,0	0,0	0,0
1794	63,0	3,47	347,0	0,0	0,0	0,0	0,0
1795	106,8	3,47	347,0	0,0	0,0	0,0	0,0
1796	110,0	3,77	377,0	0,0	0,0	0,0	0,0
1797	104,1	3,77	377,0	0,0	0,0	0,0	0,0
1798	103,9	3,80	380,0	0,0	0,0	0,0	0,0
1799	73,4	3,94	394,0	0,0	0,0	0,0	0,0
1800	50,7	4,32	432,0	0,0	0,0	0,0	0,0
1801	58,3	4,83	483,0	0,0	0,0	0,0	0,0
1802	89,3	4,83	483,0	0,0	0,0	0,0	0,0
1803	88,1	4,70	470,0	0,0	0,0	0,0	0,0
1804	90,1	4,97	497,0	0,0	0,0	0,0	0,0
1805	94,2	4,97	497,0	0,0	0,0	0,0	0,0
1806	91,9	4,95	495,0	0,0	0,0	0,0	0,0
1807	103,0	5,17	517,0	0,0	0,0	0,0	0,0
1808	100,2	5,72	572,0	0,0	0,0	0,0	0,0
1809	53,9	5,72	572,0	0,0	0,0	0,0	0,0
1810	58,4	5,26	526,0	0,0	0,0	0,0	0,0
1811	110,1	5,26	526,0	0,0	0,0	0,0	0,0
1812	109,8	5,26	526,0	0,0	0,0	0,0	0,0
1813	94,6	4,66	466,0	0,0	0,0	0,0	0,0
1814	115,3	4,66	466,0	0,0	0,0	0,0	0,0
1815	119,8	4,66	466,0	0,0	0,0	0,0	0,0
1816	103,2	4,24	424,0	0,0	0,0	0,0	0,0
1817	99,1	4,02	402,0	0,0	0,0	0,0	0,0
1818	63,3	4,17	417,0	0,0	0,0	0,0	0,0
1819	138,1	4,17	417,0	0,0	0,0	0,0	0,0
1820	122,5	4,23	423,0	0,0	0,0	0,0	0,0
1821	125,1	4,23	423,0	0,0	0,0	0,0	0,0
1822	125,1	4,23	423,0	0,0	0,0	0,0	0,0
1823	125,1	4,23	423,0	0,0	0,0	0,0	0,0
1824	111,9	4,38	438,0	0,0	0,0	0,0	0,0
1825	132,6	4,38	438,0	0,0	0,0	0,0	0,0
1826	146,9	4,90	490,0	0,0	0,0	0,0	0,0
1827	137,2	4,90	490,0	0,0	0,0	0,0	0,0
1828	102,4	4,90	490,0	0,0	0,0	0,0	0,0
1829	149,4	4,75	475,0	0,0	0,0	0,0	0,0
1830	150,6	4,88	488,0	0,0	0,0	0,0	0,0
1831	132,6	5,00	500,0	0,0	0,0	0,0	0,0
1832	152,2	5,28	528,0	0,0	0,0	0,0	0,0
1833	123,2	5,28	528,0	0,0	0,0	0,0	0,0
1834	146,5	5,28	528,0	0,0	0,0	0,0	0,0
1835	132,4	5,24	524,0	0,0	0,0	0,0	0,0
1836	131,5	5,19	519,0	0,0	0,0	0,0	0,0
1837	154,8	5,31	531,0	0,0	0,0	0,0	0,0
1838	127,5	5,31	531,0	0,0	0,0	0,0	0,0
1839	116,5	5,31	531,0	0,0	0,0	0,0	0,0
1840	108,2	5,17	517,0	0,0	0,0	0,0	0,0
1841	131,3	5,19	519,0	0,0	0,0	0,0	0,0
1842	132,4	5,57	557,0	0,0	0,0	0,0	0,0
1843	122,6	5,57	557,0	0,0	0,0	0,0	0,0
1844	126,9	5,57	557,0	0,0	0,0	0,0	0,0
1845	90,3	5,23	523,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1846	121,9	5,04	504,0	0,0	0,0	0,0	0,0
1847	113,0	5,26	526,0	0,0	0,0	0,0	0,0
1848	131,1	5,26	526,0	0,0	0,0	0,0	0,0
1849	132,3	5,26	526,0	0,0	0,0	0,0	0,0
1850	89,6	4,83	483,0	0,0	0,0	0,0	0,0
1851	87,0	4,83	483,0	0,0	0,0	0,0	0,0
1852	117,0	4,83	483,0	0,0	0,0	0,0	0,0
1853	91,8	4,97	497,0	0,0	0,0	0,0	0,0
1854	99,3	4,97	497,0	0,0	0,0	0,0	0,0
1855	130,2	5,36	536,0	0,0	0,0	0,0	0,0
1856	113,6	5,36	536,0	0,0	0,0	0,0	0,0
1857	135,6	5,34	534,0	0,0	0,0	0,0	0,0
1858	116,3	5,34	534,0	0,0	0,0	0,0	0,0
1859	143,3	6,35	635,0	0,0	0,0	0,0	0,0
1860	79,8	6,35	635,0	0,0	0,0	0,0	0,0
1861	103,2	5,83	583,0	0,0	0,0	0,0	0,0
1862	76,4	5,86	586,0	0,0	0,0	0,0	0,0
1863	184,6	5,86	586,0	0,0	0,0	0,0	0,0
1864	138,0	5,91	591,0	0,0	0,0	0,0	0,0
1865	108,6	5,91	591,0	0,0	0,0	0,0	0,0
1866	108,9	6,04	604,0	0,0	0,0	0,0	0,0
1867	106,4	6,04	604,0	0,0	0,0	0,0	0,0
1868	136,0	6,85	685,0	0,0	0,0	0,0	0,0
1869	152,0	7,54	754,0	0,0	0,0	0,0	0,0
1870	127,2	7,54	754,0	0,0	0,0	0,0	0,0
1871	119,8	6,56	656,0	0,0	0,0	0,0	0,0
1872	111,7	6,56	656,0	0,0	0,0	0,0	0,0
1873	96,0	7,70	770,0	0,0	0,0	0,0	0,0
1874	127,7	7,62	762,0	0,0	0,0	0,0	0,0
1875	127,3	7,62	762,0	0,0	0,0	0,0	0,0
1876	116,1	6,23	623,0	0,0	0,0	0,0	0,0
1877	114,6	5,50	550,0	0,0	0,0	0,0	0,0
1878	120,6	6,00	600,0	0,0	0,0	0,0	0,0
1879	107,1	6,34	634,0	0,0	0,0	0,0	0,0
1880	113,6	6,00	600,0	0,0	0,0	0,0	0,0
1881	116,5	5,52	550,0	1,0	0,0	0,0	0,0
1882	115,6	5,27	525,0	1,0	0,0	0,0	0,0
1883	112,3	4,03	403,0	0,0	0,0	0,0	0,0
1884	126,9	4,03	403,0	0,0	0,0	0,0	0,0
1885	132,1	5,14	514,0	0,0	0,0	0,0	0,0
1886	131,7	5,14	514,0	0,0	0,0	0,0	0,0
1887	0,7	3,30	330,0	0,0	0,0	0,0	0,0
1888	68,1	2,34	234,0	0,0	0,0	0,0	0,0
1889	41,5	2,34	234,0	0,0	0,0	0,0	0,0
1890	58,9	2,36	236,0	0,0	0,0	0,0	0,0
1891	49,1	2,36	236,0	0,0	0,0	0,0	0,0
1892	70,1	2,19	219,0	0,0	0,0	0,0	0,0
1893	39,6	2,76	276,0	0,0	0,0	0,0	0,0
1894	59,4	2,59	259,0	0,0	0,0	0,0	0,0
1895	56,0	2,66	266,0	0,0	0,0	0,0	0,0
1896	46,5	2,79	279,0	0,0	0,0	0,0	0,0
1897	75,1	2,82	282,0	0,0	0,0	0,0	0,0
1898	80,7	2,80	280,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1899	90,3	2,89	289,0	0,0	0,0	0,0	0,0
1900	54,1	2,96	296,0	0,0	0,0	0,0	0,0
1901	74,9	2,96	296,0	0,0	0,0	0,0	0,0
1902	75,3	3,05	305,0	0,0	0,0	0,0	0,0
1903	68,2	3,11	311,0	0,0	0,0	0,0	0,0
1904	117,5	3,14	314,0	0,0	0,0	0,0	0,0
1905	74,6	3,20	320,0	0,0	0,0	0,0	0,0
1906	73,4	3,20	320,0	0,0	0,0	0,0	0,0
1907	75,0	3,45	345,0	0,0	0,0	0,0	0,0
1908	42,4	3,34	334,0	0,0	0,0	0,0	0,0
1909	100,1	3,34	334,0	0,0	0,0	0,0	0,0
1910	43,1	3,06	306,0	0,0	0,0	0,0	0,0
1911	70,3	3,06	306,0	0,0	0,0	0,0	0,0
1912	87,3	2,83	283,0	0,0	0,0	0,0	0,0
1913	52,8	2,52	252,0	0,0	0,0	0,0	0,0
1914	98,7	2,14	214,0	0,0	0,0	0,0	0,0
1915	4,5	3,27	327,0	0,0	0,0	0,0	0,0
1916	58,0	3,27	327,0	0,0	0,0	0,0	0,0
1917	73,1	3,58	358,0	0,0	0,0	0,0	0,0
1918	118,0	3,65	365,0	0,0	0,0	0,0	0,0
1919	105,3	3,65	365,0	0,0	0,0	0,0	0,0
1920	95,2	4,03	403,0	0,0	0,0	0,0	0,0
1921	127,5	4,30	430,0	0,0	0,0	0,0	0,0
1922	144,8	4,30	430,0	0,0	0,0	0,0	0,0
1923	156,5	4,41	441,0	0,0	0,0	0,0	0,0
1924	87,8	4,41	441,0	0,0	0,0	0,0	0,0
1925	142,1	4,91	491,0	0,0	0,0	0,0	0,0
1926	114,0	4,91	491,0	0,0	0,0	0,0	0,0
1927	140,9	4,90	490,0	0,0	0,0	0,0	0,0
1928	158,7	4,90	490,0	0,0	0,0	0,0	0,0
1929	148,0	4,87	487,0	0,0	0,0	0,0	0,0
1930	142,9	4,87	487,0	0,0	0,0	0,0	0,0
1931	114,5	5,04	504,0	0,0	0,0	0,0	0,0
1932	116,2	5,04	504,0	0,0	0,0	0,0	0,0
1933	144,0	4,82	482,0	0,0	0,0	0,0	0,0
1934	125,2	4,82	482,0	0,0	0,0	0,0	0,0
1935	153,7	4,83	483,0	0,0	0,0	0,0	0,0
1936	132,3	4,83	483,0	0,0	0,0	0,0	0,0
1937	86,7	4,58	458,0	0,0	0,0	0,0	0,0
1938	149,3	4,80	480,0	0,0	0,0	0,0	0,0
1939	109,6	4,80	480,0	0,0	0,0	0,0	0,0
1940	157,9	4,80	480,0	0,0	0,0	0,0	0,0
1941	152,9	4,88	488,0	0,0	0,0	0,0	0,0
1942	137,1	4,88	488,0	0,0	0,0	0,0	0,0
1943	125,8	4,63	463,0	0,0	0,0	0,0	0,0
1944	123,2	4,63	463,0	0,0	0,0	0,0	0,0
1945	159,2	4,80	480,0	0,0	0,0	0,0	0,0
1946	157,2	4,80	480,0	0,0	0,0	0,0	0,0
1947	90,6	4,68	468,0	0,0	0,0	0,0	0,0
1948	110,2	5,36	536,0	0,0	0,0	0,0	0,0
1949	155,5	5,36	536,0	0,0	0,0	0,0	0,0
1950	160,6	5,35	535,0	0,0	0,0	0,0	0,0
1951	116,5	5,35	535,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
1952	137,6	5,42	542,0	0,0	0,0	0,0	0,0
1953	5,6	8,00	800,0	0,0	0,0	0,0	0,0
1954	62,4	8,81	881,0	0,0	0,0	0,0	0,0
1955	28,0	10,56	1056,0	0,0	0,0	0,0	0,0
1956	75,3	11,12	1112,0	0,0	0,0	0,0	0,0
1957	97,1	11,12	1112,0	0,0	0,0	0,0	0,0
1958	88,0	10,54	1054,0	0,0	0,0	0,0	0,0
1959	103,9	10,67	1067,0	0,0	0,0	0,0	0,0
1960	74,5	10,30	1030,0	0,0	0,0	0,0	0,0
1961	43,1	11,12	1112,0	0,0	0,0	0,0	0,0
1962	86,1	9,97	997,0	0,0	0,0	0,0	0,0
1963	81,0	9,49	949,0	0,0	0,0	0,0	0,0
1964	113,7	9,49	949,0	0,0	0,0	0,0	0,0
1965	90,1	9,34	934,0	0,0	0,0	0,0	0,0
1966	103,1	10,36	1036,0	0,0	0,0	0,0	0,0
1967	70,2	11,16	1116,0	0,0	0,0	0,0	0,0
1968	49,2	9,23	923,0	0,0	0,0	0,0	0,0
1969	86,8	10,72	1072,0	0,0	0,0	0,0	0,0
1970	97,3	9,23	923,0	0,0	0,0	0,0	0,0
1971	137,8	8,23	823,0	0,0	0,0	0,0	0,0
1972	183,0	7,23	723,0	0,0	0,0	0,0	0,0
1973	121,9	6,23	623,0	0,0	0,0	0,0	0,0
1974	158,7	5,50	550,0	0,0	0,0	0,0	0,0
1975	162,1	5,50	550,0	0,0	0,0	0,0	0,0
1976	131,7	6,89	689,0	0,0	0,0	0,0	0,0
1977	156,4	6,89	689,0	0,0	0,0	0,0	0,0
1978	163,8	7,49	749,0	0,0	0,0	0,0	0,0
1979	132,3	7,49	749,0	0,0	0,0	0,0	0,0
1980	159,3	7,93	793,0	0,0	0,0	0,0	0,0
1981	144,1	7,93	793,0	0,0	0,0	0,0	0,0
1982	0,8	4,09	408,7	0,0	0,0	0,0	0,0
1983	99,0	4,21	421,3	0,0	0,0	0,0	0,0
1984	77,9	4,38	437,5	0,0	0,0	0,0	0,0
1985	61,6	4,38	437,5	0,0	0,0	0,0	0,0
1986	96,4	4,51	450,7	0,0	0,0	0,0	0,0
1987	135,2	4,51	450,7	0,0	0,0	0,0	0,0
1988	84,0	4,52	451,9	0,0	0,0	0,0	0,0
1989	60,3	4,52	451,9	0,0	0,0	0,0	0,0
1990	88,2	3,68	368,2	0,0	0,0	0,0	0,0
1991	77,1	3,68	368,2	0,0	0,0	0,0	0,0
1992	67,4	3,67	367,4	0,0	0,0	0,0	0,0
1993	68,7	3,46	346,4	0,0	0,0	0,0	0,0
1994	86,5	3,33	333,1	0,0	0,0	0,0	0,0
1995	112,2	3,33	333,1	0,0	0,0	0,0	0,0
1996	122,8	3,27	327,0	0,0	0,0	0,0	0,0
1997	42,9	3,35	334,7	0,0	0,0	0,0	0,0
1998	119,1	3,35	334,7	0,0	0,0	0,0	0,0
1999	115,1	3,62	361,8	0,0	0,0	0,0	0,0
2000	5,7	3,58	357,9	0,0	0,0	0,0	0,0
2001	48,3	3,58	357,9	0,0	0,0	0,0	0,0
2002	150,3	3,58	357,9	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2003	136,4	3,58	357,9	0,0	0,0	0,0	0,0
2004	140,2	3,48	348,4	0,0	0,0	0,0	0,0
2005	147,6	3,72	372,1	0,0	0,0	0,0	0,0
2006	149,0	3,72	372,1	0,0	0,0	0,0	0,0
2007	142,1	3,72	372,1	0,0	0,0	0,0	0,0
2008	163,5	3,72	371,8	0,0	0,0	0,0	0,0
2009	171,2	3,90	390,4	0,0	0,0	0,0	0,0
2010	148,9	3,90	390,4	0,0	0,0	0,0	0,0
2011	143,5	3,90	390,0	0,0	0,0	0,0	0,0
2012	132,0	3,83	383,0	0,0	0,0	0,0	0,0
2013	150,6	3,75	375,0	0,0	0,0	0,0	0,0
2014	142,8	3,89	389,0	0,0	0,0	0,0	0,0
2015	166,3	3,89	389,0	0,0	0,0	0,0	0,0
2016	156,3	3,89	389,0	0,0	0,0	0,0	0,0
2017	169,1	3,84	384,0	0,0	0,0	0,0	0,0
2018	161,9	3,84	384,0	0,0	0,0	0,0	0,0
2019	151,6	3,54	354,0	0,0	0,0	0,0	0,0
2020	112,0	3,54	354,0	0,0	0,0	0,0	0,0
2021	174,9	3,54	354,0	0,0	0,0	0,0	0,0
2022	181,8	3,20	320,0	0,0	0,0	0,0	0,0
2023	154,6	3,20	320,0	0,0	0,0	0,0	0,0
2024	130,6	2,95	295,0	0,0	0,0	0,0	0,0
2025	142,7	2,95	295,0	0,0	0,0	0,0	0,0
2026	137,3	3,01	301,0	0,0	0,0	0,0	0,0
2027	188,1	3,01	301,0	0,0	0,0	0,0	0,0
2028	155,6	3,01	301,0	0,0	0,0	0,0	0,0
2029	168,5	2,98	298,0	0,0	0,0	0,0	0,0
2030	122,0	2,95	295,0	0,0	0,0	0,0	0,0
2031	136,1	2,95	295,0	0,0	0,0	0,0	0,0
2032	163,0	2,95	295,0	0,0	0,0	0,0	0,0
2033	122,8	2,95	295,0	0,0	0,0	0,0	0,0
2034	137,5	2,72	272,0	0,0	0,0	0,0	0,0
2035	157,6	3,04	304,0	0,0	0,0	0,0	0,0
2036	132,0	3,04	304,0	0,0	0,0	0,0	0,0
2037	150,0	3,04	304,0	0,0	0,0	0,0	0,0
2038	135,1	3,04	304,0	0,0	0,0	0,0	0,0
2039	151,2	2,96	296,0	0,0	0,0	0,0	0,0
2040	150,2	2,89	289,0	0,0	0,0	0,0	0,0
2041	154,0	2,95	295,0	0,0	0,0	0,0	0,0
2042	138,8	2,95	295,0	0,0	0,0	0,0	0,0
2043	170,5	3,24	324,0	0,0	0,0	0,0	0,0
2044	116,0	3,67	367,0	0,0	0,0	0,0	0,0
2045	116,0	3,67	367,0	0,0	0,0	0,0	0,0
2046	116,0	3,67	367,0	0,0	0,0	0,0	0,0
2047	75,8	3,49	349,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2048	83,8	3,15	315,0	0,0	0,0	0,0	0,0
2049	82,3	3,12	312,0	0,0	0,0	0,0	0,0
2050	109,5	3,60	360,0	0,0	0,0	0,0	0,0
2051	137,6	3,60	360,0	0,0	0,0	0,0	0,0
2052	56,0	4,98	498,0	0,0	0,0	0,0	0,0
2053	99,1	4,98	498,0	0,0	0,0	0,0	0,0
2054	90,4	5,00	498,0	1,0	0,0	0,0	0,0
2055	121,6	3,52	350,0	1,0	0,0	0,0	0,0
2056	122,0	2,43	243,0	0,0	0,0	0,0	0,0
2057	111,9	6,10	610,0	0,0	0,0	0,0	0,0
2058	125,8	6,10	610,0	0,0	0,0	0,0	0,0
2059	103,4	7,27	727,0	0,0	0,0	0,0	0,0
2060	88,4	6,00	600,0	0,0	0,0	0,0	0,0
2061	116,1	5,52	550,0	1,0	0,0	0,0	0,0
2062	130,9	5,00	500,0	0,0	0,0	0,0	0,0
2063	186,9	4,50	450,0	0,0	0,0	0,0	0,0
2064	167,7	4,00	400,0	0,0	0,0	0,0	0,0
2065	196,4	3,61	361,0	0,0	0,0	0,0	0,0
2066	196,5	3,61	361,0	0,0	0,0	0,0	0,0
2067	218,8	3,61	361,0	0,0	0,0	0,0	0,0
2068	173,0	7,83	783,0	0,0	0,0	0,0	0,0
2069	176,8	7,83	783,0	0,0	0,0	0,0	0,0
2070	118,3	7,83	783,0	0,0	0,0	0,0	0,0
2071	176,2	9,41	941,0	0,0	0,0	0,0	0,0
2072	44,5	9,46	946,0	0,0	0,0	0,0	0,0
2073	188,1	9,46	946,0	0,0	0,0	0,0	0,0
2074	227,9	9,46	946,0	0,0	0,0	0,0	0,0
2075	169,8	11,62	1162,0	0,0	0,0	0,0	0,0
2076	154,0	11,62	1162,0	0,0	0,0	0,0	0,0
2077	56,9	4,99	499,0	0,0	0,0	0,0	0,0
2078	90,5	4,89	489,0	0,0	0,0	0,0	0,0
2079	63,1	4,95	495,0	0,0	0,0	0,0	0,0
2080	102,3	4,95	495,0	0,0	0,0	0,0	0,0
2081	96,0	4,78	478,0	0,0	0,0	0,0	0,0
2082	94,4	4,78	478,0	0,0	0,0	0,0	0,0
2083	100,9	4,67	467,0	0,0	0,0	0,0	0,0
2084	94,2	4,56	456,0	0,0	0,0	0,0	0,0
2085	102,1	4,56	456,0	0,0	0,0	0,0	0,0
2086	84,1	4,14	414,0	0,0	0,0	0,0	0,0
2087	94,1	4,80	480,0	0,0	0,0	0,0	0,0
2088	6,9	4,20	420,4	0,0	0,0	0,0	0,0
2089	148,4	4,20	420,4	0,0	0,0	0,0	0,0
2090	132,2	4,01	400,6	0,0	0,0	0,0	0,0
2091	124,3	4,41	440,9	0,0	0,0	0,0	0,0
2092	143,3	4,41	440,9	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2093	98,7	4,34	433,6	0,0	0,0	0,0	0,0
2094	126,5	4,34	433,6	0,0	0,0	0,0	0,0
2095	181,4	4,68	468,2	0,0	0,0	0,0	0,0
2096	125,8	4,68	468,2	0,0	0,0	0,0	0,0
2097	130,1	4,68	468,2	0,0	0,0	0,0	0,0
2098	131,4	4,45	444,5	0,0	0,0	0,0	0,0
2099	70,7	4,59	459,4	0,0	0,0	0,0	0,0
2100	104,0	4,59	459,4	0,0	0,0	0,0	0,0
2101	143,7	4,53	452,6	0,0	0,0	0,0	0,0
2102	127,9	4,53	452,6	0,0	0,0	0,0	0,0
2103	127,5	4,74	473,8	0,0	0,0	0,0	0,0
2104	175,6	4,74	473,8	0,0	0,0	0,0	0,0
2105	167,1	4,74	473,8	0,0	0,0	0,0	0,0
2106	160,8	4,65	465,1	0,0	0,0	0,0	0,0
2107	117,3	4,65	465,1	0,0	0,0	0,0	0,0
2108	161,0	4,48	448,0	0,0	0,0	0,0	0,0
2109	135,5	4,69	469,4	0,0	0,0	0,0	0,0
2110	116,4	4,69	469,4	0,0	0,0	0,0	0,0
2111	147,6	4,69	469,4	0,0	0,0	0,0	0,0
2112	101,8	4,49	449,4	0,0	0,0	0,0	0,0
2113	142,3	4,79	478,5	0,0	0,0	0,0	0,0
2114	121,2	4,79	478,5	0,0	0,0	0,0	0,0
2115	141,5	4,80	480,1	0,0	0,0	0,0	0,0
2116	116,7	4,80	480,1	0,0	0,0	0,0	0,0
2117	127,3	4,80	480,1	0,0	0,0	0,0	0,0
2118	125,6	4,73	473,4	0,0	0,0	0,0	0,0
2119	97,4	5,09	508,7	0,0	0,0	0,0	0,0
2120	107,0	5,09	508,7	0,0	0,0	0,0	0,0
2121	132,8	5,09	508,7	0,0	0,0	0,0	0,0
2122	114,3	4,97	496,8	0,0	0,0	0,0	0,0
2123	104,7	5,09	509,4	0,0	0,0	0,0	0,0
2124	135,3	5,12	511,7	0,0	0,0	0,0	0,0
2125	137,8	5,12	511,7	0,0	0,0	0,0	0,0
2126	142,7	5,12	511,7	0,0	0,0	0,0	0,0
2127	110,7	4,71	471,4	0,0	0,0	0,0	0,0
2128	134,8	4,71	471,4	0,0	0,0	0,0	0,0
2129	123,7	4,74	474,3	0,0	0,0	0,0	0,0
2130	134,9	4,74	474,3	0,0	0,0	0,0	0,0
2131	113,9	4,49	449,2	0,0	0,0	0,0	0,0
2132	159,8	4,53	452,9	0,0	0,0	0,0	0,0
2133	110,4	4,53	452,9	0,0	0,0	0,0	0,0
2134	115,0	4,53	452,9	0,0	0,0	0,0	0,0
2135	150,2	4,32	432,3	0,0	0,0	0,0	0,0
2136	117,6	4,40	440,4	0,0	0,0	0,0	0,0
2137	144,0	4,40	440,4	0,0	0,0	0,0	0,0
2138	138,3	4,40	440,4	0,0	0,0	0,0	0,0
2139	125,5	4,10	410,1	0,0	0,0	0,0	0,0
2140	57,4	4,08	407,9	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2141	132,3	4,06	405,7	0,0	0,0	0,0	0,0
2142	149,6	4,09	409,4	0,0	0,0	0,0	0,0
2143	144,6	4,09	409,4	0,0	0,0	0,0	0,0
2144	130,5	3,96	396,0	0,0	0,0	0,0	0,0
2145	143,6	4,17	417,4	0,0	0,0	0,0	0,0
2146	142,9	4,17	417,4	0,0	0,0	0,0	0,0
2147	116,1	4,50	449,9	0,0	0,0	0,0	0,0
2148	132,2	4,50	449,9	0,0	0,0	0,0	0,0
2149	135,1	4,50	449,9	0,0	0,0	0,0	0,0
2150	178,5	4,00	399,7	0,0	0,0	0,0	0,0
2151	127,3	4,18	417,9	0,0	0,0	0,0	0,0
2152	153,2	4,34	434,3	0,0	0,0	0,0	0,0
2153	162,8	4,51	450,7	0,0	0,0	0,0	0,0
2154	115,6	4,51	450,7	0,0	0,0	0,0	0,0
2155	122,2	4,52	451,9	0,0	0,0	0,0	0,0
2156	126,2	4,52	451,9	0,0	0,0	0,0	0,0
2157	127,4	4,80	480,2	0,0	0,0	0,0	0,0
2158	104,4	4,80	480,2	0,0	0,0	0,0	0,0
2159	132,4	4,99	499,4	0,0	0,0	0,0	0,0
2160	104,8	5,82	581,6	0,0	0,0	0,0	0,0
2161	129,5	5,90	589,9	0,0	0,0	0,0	0,0
2162	99,0	5,98	598,2	0,0	0,0	0,0	0,0
2163	79,9	5,98	598,2	0,0	0,0	0,0	0,0
2164	137,2	5,75	574,6	0,0	0,0	0,0	0,0
2165	64,8	5,81	580,9	0,0	0,0	0,0	0,0
2166	107,2	5,81	580,9	0,0	0,0	0,0	0,0
2167	144,1	4,32	432,3	0,0	0,0	0,0	0,0
2168	173,1	4,32	432,3	0,0	0,0	0,0	0,0
2169	119,1	3,82	382,1	0,0	0,0	0,0	0,0
2170	111,3	3,90	390,1	0,0	0,0	0,0	0,0
2171	2,9	2,64	263,5	0,0	0,0	0,0	0,0
2172	3,4	3,12	312,1	0,0	0,0	0,0	0,0
2173	44,7	3,85	384,5	0,0	0,0	0,0	0,0
2174	56,4	3,63	363,3	0,0	0,0	0,0	0,0
2175	91,0	3,63	363,3	0,0	0,0	0,0	0,0
2176	105,4	4,06	406,2	0,0	0,0	0,0	0,0
2177	97,4	4,07	407,0	0,0	0,0	0,0	0,0
2178	114,1	4,07	407,0	0,0	0,0	0,0	0,0
2179	82,6	4,07	407,0	0,0	0,0	0,0	0,0
2180	85,7	4,39	438,7	0,0	0,0	0,0	0,0
2181	82,7	4,39	438,7	0,0	0,0	0,0	0,0
2182	77,3	4,07	406,9	0,0	0,0	0,0	0,0
2183	81,6	3,76	375,7	0,0	0,0	0,0	0,0
2184	106,8	3,76	375,7	0,0	0,0	0,0	0,0
2185	99,0	3,66	365,7	0,0	0,0	0,0	0,0
2186	91,6	3,66	365,7	0,0	0,0	0,0	0,0
2187	99,3	3,61	360,9	0,0	0,0	0,0	0,0
2188	79,7	3,61	360,9	0,0	0,0	0,0	0,0
2189	98,7	3,34	333,5	0,0	0,0	0,0	0,0
2190	101,1	3,66	366,2	0,0	0,0	0,0	0,0
2191	90,6	3,66	366,2	0,0	0,0	0,0	0,0
2192	68,9	3,74	374,0	0,0	0,0	0,0	0,0
2193	73,0	3,07	307,4	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2194	78,0	3,07	307,4	0,0	0,0	0,0	0,0
2195	117,3	3,06	306,4	0,0	0,0	0,0	0,0
2196	123,4	3,06	306,4	0,0	0,0	0,0	0,0
2197	108,9	3,06	306,4	0,0	0,0	0,0	0,0
2198	110,0	2,90	289,6	0,0	0,0	0,0	0,0
2199	98,6	3,04	303,8	0,0	0,0	0,0	0,0
2200	102,7	3,04	303,8	0,0	0,0	0,0	0,0
2201	98,8	3,05	304,5	0,0	0,0	0,0	0,0
2202	98,7	3,05	304,5	0,0	0,0	0,0	0,0
2203	105,3	3,12	312,3	0,0	0,0	0,0	0,0
2204	105,3	3,20	320,1	0,0	0,0	0,0	0,0
2205	118,6	3,20	320,1	0,0	0,0	0,0	0,0
2206	115,8	3,24	324,0	0,0	0,0	0,0	0,0
2207	107,1	3,24	324,0	0,0	0,0	0,0	0,0
2208	3,9	2,94	294,2	0,0	0,0	0,0	0,0
2209	84,7	2,94	294,2	0,0	0,0	0,0	0,0
2210	86,4	2,94	294,2	0,0	0,0	0,0	0,0
2211	80,6	2,66	265,5	0,0	0,0	0,0	0,0
2212	76,5	2,80	280,3	0,0	0,0	0,0	0,0
2213	71,6	2,80	280,3	0,0	0,0	0,0	0,0
2214	33,7	2,63	262,5	0,0	0,0	0,0	0,0
2215	70,5	2,82	281,6	0,0	0,0	0,0	0,0
2216	63,7	2,82	281,6	0,0	0,0	0,0	0,0
2217	73,2	2,82	281,6	0,0	0,0	0,0	0,0
2218	64,7	2,64	263,5	0,0	0,0	0,0	0,0
2219	74,3	2,64	263,5	0,0	0,0	0,0	0,0
2220	33,7	2,54	254,2	0,0	0,0	0,0	0,0
2221	65,7	2,44	243,7	0,0	0,0	0,0	0,0
2222	52,4	2,47	247,1	0,0	0,0	0,0	0,0
2223	43,7	2,47	247,1	0,0	0,0	0,0	0,0
2224	54,5	2,70	270,1	0,0	0,0	0,0	0,0
2225	25,5	2,86	286,4	0,0	0,0	0,0	0,0
2226	58,1	2,92	292,1	0,0	0,0	0,0	0,0
2227	51,6	2,97	297,2	0,0	0,0	0,0	0,0
2228	50,4	2,97	297,2	0,0	0,0	0,0	0,0
2229	37,8	2,85	284,8	0,0	0,0	0,0	0,0
2230	49,2	2,82	282,1	0,0	0,0	0,0	0,0
2231	57,5	2,78	278,0	0,0	0,0	0,0	0,0
2232	27,9	2,58	258,0	0,0	0,0	0,0	0,0
2233	59,2	2,79	279,0	0,0	0,0	0,0	0,0
2234	41,1	2,84	284,0	0,0	0,0	0,0	0,0
2235	39,4	2,90	290,0	0,0	0,0	0,0	0,0
2236	83,1	3,10	310,0	0,0	0,0	0,0	0,0
2237	70,1	3,20	320,0	0,0	0,0	0,0	0,0
2238	74,6	3,47	347,0	0,0	0,0	0,0	0,0
2239	61,3	3,71	371,0	0,0	0,0	0,0	0,0
2240	42,9	3,40	340,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2241	64,9	3,37	337,0	0,0	0,0	0,0	0,0
2242	74,5	3,11	311,0	0,0	0,0	0,0	0,0
2243	71,8	3,12	312,0	0,0	0,0	0,0	0,0
2244	54,5	3,24	324,0	0,0	0,0	0,0	0,0
2245	55,0	3,03	303,0	0,0	0,0	0,0	0,0
2246	54,7	3,40	340,0	0,0	0,0	0,0	0,0
2247	74,9	3,03	303,0	0,0	0,0	0,0	0,0
2248	91,7	2,98	298,0	0,0	0,0	0,0	0,0
2249	77,9	2,98	298,0	0,0	0,0	0,0	0,0
2250	78,9	2,86	286,0	0,0	0,0	0,0	0,0
2251	63,0	3,08	308,0	0,0	0,0	0,0	0,0
2252	78,9	2,61	261,0	0,0	0,0	0,0	0,0
2253	60,8	2,58	258,0	0,0	0,0	0,0	0,0
2254	65,8	2,70	270,0	0,0	0,0	0,0	0,0
2255	54,4	2,67	267,0	0,0	0,0	0,0	0,0
2256	44,3	2,42	242,0	0,0	0,0	0,0	0,0
2257	40,3	2,37	237,0	0,0	0,0	0,0	0,0
2258	75,9	2,46	246,0	0,0	0,0	0,0	0,0
2259	69,6	3,00	300,0	0,0	0,0	0,0	0,0
2260	68,8	3,82	382,0	0,0	0,0	0,0	0,0
2261	61,9	3,78	378,0	0,0	0,0	0,0	0,0
2262	62,2	3,75	375,0	0,0	0,0	0,0	0,0
2263	80,5	2,72	272,0	0,0	0,0	0,0	0,0
2264	59,8	4,03	403,0	0,0	0,0	0,0	0,0
2265	67,5	5,51	551,2	0,0	0,0	0,0	0,0
2266	51,6	6,99	699,3	0,0	0,0	0,0	0,0
2267	56,0	3,81	380,8	0,0	0,0	0,0	0,0
2268	49,3	3,75	374,5	0,0	0,0	0,0	0,0
2269	75,2	4,04	403,8	0,0	0,0	0,0	0,0
2270	75,0	4,04	403,8	0,0	0,0	0,0	0,0
2271	67,4	4,30	430,2	0,0	0,0	0,0	0,0
2272	53,3	4,30	430,2	0,0	0,0	0,0	0,0
2273	71,6	3,91	390,6	0,0	0,0	0,0	0,0
2274	78,1	4,56	455,7	0,0	0,0	0,0	0,0
2275	59,6	4,56	455,7	0,0	0,0	0,0	0,0
2276	53,6	4,47	446,5	0,0	0,0	0,0	0,0
2277	64,9	4,76	475,6	0,0	0,0	0,0	0,0
2278	60,0	4,76	475,6	0,0	0,0	0,0	0,0
2279	60,8	4,76	475,6	0,0	0,0	0,0	0,0
2280	68,5	6,82	682,2	0,0	0,0	0,0	0,0
2281	84,7	6,82	682,0	0,0	0,0	0,0	0,0
2282	109,3	6,83	683,0	0,0	0,0	0,0	0,0
2283	131,0	6,53	653,0	0,0	0,0	0,0	0,0
2284	148,7	6,53	653,0	0,0	0,0	0,0	0,0
2285	125,9	7,20	720,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2286	103,9	7,20	720,0	0,0	0,0	0,0	0,0
2287	107,7	7,20	720,0	0,0	0,0	0,0	0,0
2288	130,4	6,40	640,0	0,0	0,0	0,0	0,0
2289	119,1	5,91	591,0	0,0	0,0	0,0	0,0
2290	99,3	5,40	540,0	0,0	0,0	0,0	0,0
2291	78,9	5,40	540,0	0,0	0,0	0,0	0,0
2292	109,8	5,28	528,0	0,0	0,0	0,0	0,0
2293	90,6	5,28	528,0	0,0	0,0	0,0	0,0
2294	84,5	5,61	561,0	0,0	0,0	0,0	0,0
2295	99,9	5,76	576,0	0,0	0,0	0,0	0,0
2296	99,9	5,76	576,0	0,0	0,0	0,0	0,0
2297	52,2	5,76	576,0	0,0	0,0	0,0	0,0
2298	89,4	6,43	643,0	0,0	0,0	0,0	0,0
2299	91,4	6,60	660,0	0,0	0,0	0,0	0,0
2300	94,1	6,86	686,0	0,0	0,0	0,0	0,0
2301	102,7	6,86	686,0	0,0	0,0	0,0	0,0
2302	102,9	7,12	712,0	0,0	0,0	0,0	0,0
2303	98,7	7,12	712,0	0,0	0,0	0,0	0,0
2304	95,9	7,43	743,0	0,0	0,0	0,0	0,0
2305	107,4	7,24	724,0	0,0	0,0	0,0	0,0
2306	105,0	7,24	724,0	0,0	0,0	0,0	0,0
2307	106,0	8,11	811,0	0,0	0,0	0,0	0,0
2308	109,5	8,11	811,0	0,0	0,0	0,0	0,0
2309	102,5	8,16	816,0	0,0	0,0	0,0	0,0
2310	97,6	8,16	816,0	0,0	0,0	0,0	0,0
2311	108,6	9,13	913,0	0,0	0,0	0,0	0,0
2312	98,3	8,40	840,0	0,0	0,0	0,0	0,0
2313	118,3	8,40	840,0	0,0	0,0	0,0	0,0
2314	110,9	7,31	731,0	0,0	0,0	0,0	0,0
2315	67,1	6,91	691,0	0,0	0,0	0,0	0,0
2316	94,5	6,91	691,0	0,0	0,0	0,0	0,0
2317	90,3	6,64	664,0	0,0	0,0	0,0	0,0
2318	92,4	6,67	667,0	0,0	0,0	0,0	0,0
2319	93,9	7,26	726,0	0,0	0,0	0,0	0,0
2320	82,3	7,26	726,0	0,0	0,0	0,0	0,0
2321	98,1	6,53	653,0	0,0	0,0	0,0	0,0
2322	90,2	6,62	662,0	0,0	0,0	0,0	0,0
2323	97,6	6,62	662,0	0,0	0,0	0,0	0,0
2324	97,4	6,35	635,0	0,0	0,0	0,0	0,0
2325	108,7	5,90	590,0	0,0	0,0	0,0	0,0
2326	113,1	5,90	590,0	0,0	0,0	0,0	0,0
2327	127,0	5,90	590,0	0,0	0,0	0,0	0,0
2328	149,6	5,70	570,0	0,0	0,0	0,0	0,0
2329	143,2	5,70	570,0	0,0	0,0	0,0	0,0
2330	94,3	5,43	543,0	0,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2331	28,2	5,33	533,0	0,0	0,0	0,0	0,0
2332	103,9	5,07	507,0	0,0	0,0	0,0	0,0
2333	125,2	5,07	507,0	0,0	0,0	0,0	0,0
2334	114,2	4,96	496,0	0,0	0,0	0,0	0,0
2335	127,2	5,42	542,0	0,0	0,0	0,0	0,0
2336	96,2	5,42	542,0	0,0	0,0	0,0	0,0
2337	119,5	5,42	542,0	0,0	0,0	0,0	0,0
2338	83,2	5,40	540,0	0,0	0,0	0,0	0,0
2339	118,2	5,11	511,0	0,0	0,0	0,0	0,0
2340	16,5	5,99	599,0	0,0	0,0	0,0	0,0
2341	137,9	5,84	584,0	0,0	0,0	0,0	0,0
2342	113,7	4,45	445,0	0,0	0,0	0,0	0,0
2343	68,8	4,60	460,0	0,0	0,0	0,0	0,0
2344	90,5	4,60	460,0	0,0	0,0	0,0	0,0
2345	73,4	4,06	406,0	0,0	0,0	0,0	0,0
2346	89,4	4,15	415,0	0,0	0,0	0,0	0,0
2347	79,5	7,34	734,0	0,0	0,0	0,0	0,0
2348	89,7	5,22	522,0	0,0	0,0	0,0	0,0
2349	95,1	5,22	522,0	0,0	0,0	0,0	0,0
2350	77,8	5,25	525,0	0,0	0,0	0,0	0,0
2351	87,9	6,58	658,0	0,0	0,0	0,0	0,0
2352	83,8	6,58	658,0	0,0	0,0	0,0	0,0
2353	80,7	5,69	569,0	0,0	0,0	0,0	0,0
2354	85,0	5,69	569,0	0,0	0,0	0,0	0,0
2355	63,3	5,50	550,0	0,0	0,0	0,0	0,0
2356	97,1	5,06	506,0	0,0	0,0	0,0	0,0
2357	59,7	6,04	604,0	0,0	0,0	0,0	0,0
2358	74,9	6,04	604,0	0,0	0,0	0,0	0,0
2359	68,2	6,80	680,0	0,0	0,0	0,0	0,0
2360	76,1	6,98	698,0	0,0	0,0	0,0	0,0
2361	70,0	6,02	602,0	0,0	0,0	0,0	0,0
2362	102,9	5,52	550,0	1,0	0,0	0,0	0,0
2363	97,3	5,02	500,0	1,0	0,0	0,0	0,0
2364	81,7	5,52	550,0	1,0	0,0	0,0	0,0
2365	97,6	5,02	500,0	1,0	0,0	0,0	0,0
2366	81,9	4,50	450,0	0,0	0,0	0,0	0,0
2367	83,3	4,27	425,0	1,0	0,0	0,0	0,0
2368	101,7	4,37	435,0	1,0	0,0	0,0	0,0
2369	58,7	4,52	450,0	1,0	0,0	0,0	0,0
2370	87,4	4,32	430,0	1,0	0,0	0,0	0,0
2371	63,2	4,02	400,0	1,0	0,0	0,0	0,0
2372	63,4	4,35	435,0	0,0	0,0	0,0	0,0
2373	55,1	4,50	450,0	0,0	0,0	0,0	0,0
2374	49,8	4,25	425,0	0,0	0,0	0,0	0,0
2375	48,5	4,34	430,0	2,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2376	77,0	2,43	241,0	1,0	0,0	0,0	0,0
2377	96,0	3,14	312,0	1,0	0,0	0,0	0,0
2378	96,7	3,14	312,0	1,0	0,0	0,0	0,0
2379	121,7	3,96	391,0	3,0	0,0	0,0	0,0
2380	98,7	3,96	391,0	3,0	0,0	0,0	0,0
2381	84,8	4,46	441,0	3,0	0,0	0,0	0,0
2382	117,6	5,23	519,0	2,0	0,0	0,0	0,0
2383	92,8	5,70	566,0	2,0	0,0	0,0	0,0
2384	101,0	5,70	566,0	2,0	0,0	0,0	0,0
2385	101,3	5,70	566,0	2,0	0,0	0,0	0,0
2386	88,8	2,51	247,0	2,0	0,0	0,0	0,0
2387	106,6	2,51	247,0	2,0	0,0	0,0	0,0
2388	135,7	6,33	628,0	3,0	0,0	0,0	0,0
2389	120,6	8,01	796,0	3,0	0,0	0,0	0,0
2390	166,3	6,54	647,0	4,0	0,0	0,0	0,0
2391	141,1	6,26	621,0	3,0	0,0	0,0	0,0
2392	140,8	5,35	531,0	2,0	0,0	0,0	0,0
2393	146,4	4,91	486,0	3,0	0,0	0,0	0,0
2394	127,4	4,20	416,0	2,0	0,0	0,0	0,0
2395	106,5	4,20	416,0	2,0	0,0	0,0	0,0
2396	137,7	10,46	1041,0	3,0	0,0	0,0	0,0
2397	115,2	11,80	1173,0	4,0	0,0	0,0	0,0
2398	99,7	12,17	1210,0	4,0	0,0	0,0	0,0
2399	110,2	12,90	1283,0	4,0	0,0	0,0	0,0
2400	115,8	13,63	1356,0	4,0	0,0	0,0	0,0
2401	109,9	19,97	1986,0	6,0	0,0	0,0	0,0
2402	117,5	19,97	1986,0	6,0	0,0	0,0	0,0
2403	116,8	16,49	1638,0	6,0	0,0	0,0	0,0
2404	115,9	12,38	1231,0	4,0	0,0	0,0	0,0
2405	142,2	12,38	1231,0	4,0	0,0	0,0	0,0
2406	110,0	8,43	838,0	3,0	0,0	0,0	0,0
2407	100,8	6,91	687,0	2,0	0,0	0,0	0,0
2408	125,1	6,91	687,0	2,0	0,0	0,0	0,0
2409	104,6	5,55	550,0	3,0	0,0	0,0	0,0
2410	118,7	4,28	423,0	3,0	0,0	0,0	0,0
2411	80,3	3,55	351,0	2,0	0,0	0,0	0,0
2412	62,4	5,29	524,0	3,0	0,0	0,0	0,0
2413	100,0	7,74	767,0	4,0	0,0	0,0	0,0
2414	104,0	7,74	767,0	4,0	0,0	0,0	0,0
2415	174,9	7,74	767,0	4,0	0,0	0,0	0,0
2416	157,5	8,58	853,0	3,0	0,0	0,0	0,0
2417	117,2	8,58	853,0	3,0	0,0	0,0	0,0
2418	171,3	8,58	853,0	3,0	0,0	0,0	0,0
2419	157,0	8,58	853,0	3,0	0,0	0,0	0,0
2420	148,4	8,58	853,0	3,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2421	177,2	8,91	886,0	3,0	0,0	0,0	0,0
2422	175,3	8,91	886,0	3,0	0,0	0,0	0,0
2423	169,9	8,91	886,0	3,0	0,0	0,0	0,0
2424	165,2	8,91	886,0	3,0	0,0	0,0	0,0
2425	177,0	8,91	886,0	3,0	0,0	0,0	0,0
2426	159,6	9,17	910,0	4,0	0,0	0,0	0,0
2427	170,5	9,17	910,0	4,0	0,0	0,0	0,0
2428	179,7	9,17	910,0	4,0	0,0	0,0	0,0
2429	180,6	9,17	910,0	4,0	0,0	0,0	0,0
2430	149,3	9,65	956,0	5,0	0,0	0,0	0,0
2431	165,1	9,65	956,0	5,0	0,0	0,0	0,0
2432	164,1	9,65	956,0	5,0	0,0	0,0	0,0
2433	178,4	9,65	956,0	5,0	0,0	0,0	0,0
2434	177,8	9,65	956,0	5,0	0,0	0,0	0,0
2435	167,2	9,65	956,0	5,0	0,0	0,0	0,0
2436	170,6	10,47	1040,0	4,0	0,0	0,0	0,0
2437	136,4	10,47	1040,0	4,0	0,0	0,0	0,0
2438	159,8	10,47	1040,0	4,0	0,0	0,0	0,0
2439	144,9	10,47	1040,0	4,0	0,0	0,0	0,0
2440	150,4	7,53	746,0	4,0	0,0	0,0	0,0
2441	146,2	7,53	746,0	4,0	0,0	0,0	0,0
2442	129,7	7,53	746,0	4,0	0,0	0,0	0,0
2443	139,7	7,53	746,0	4,0	0,0	0,0	0,0
2444	167,7	7,97	790,0	4,0	0,0	0,0	0,0
2445	159,3	7,97	790,0	4,0	0,0	0,0	0,0
2446	173,0	7,97	790,0	4,0	0,0	0,0	0,0
2447	190,3	7,97	790,0	4,0	0,0	0,0	0,0
2448	231,7	7,97	790,0	4,0	0,0	0,0	0,0
2449	225,5	7,97	790,0	4,0	0,0	0,0	0,0
2450	193,1	8,07	802,0	3,0	0,0	0,0	0,0
2451	190,5	8,07	802,0	3,0	0,0	0,0	0,0
2452	190,8	8,07	802,0	3,0	0,0	0,0	0,0
2453	162,3	8,07	802,0	3,0	0,0	0,0	0,0
2454	164,8	8,07	802,0	3,0	0,0	0,0	0,0
2455	190,7	21,69	2155,0	8,0	0,0	0,0	0,0
2456	174,6	21,69	2155,0	8,0	0,0	0,0	0,0
2457	149,2	21,69	2155,0	8,0	0,0	0,0	0,0
2458	162,5	21,29	2111,0	10,0	0,0	0,0	0,0
2459	137,1	21,29	2111,0	10,0	0,0	0,0	0,0
2460	178,0	6,93	686,0	4,0	0,0	0,0	0,0
2461	185,6	6,93	686,0	4,0	0,0	0,0	0,0
2462	142,1	6,55	650,0	3,0	0,0	0,0	0,0
2463	166,5	6,24	620,0	2,0	0,0	0,0	0,0
2464	166,4	6,34	630,0	2,0	0,0	0,0	0,0
2465	164,9	6,58	654,0	2,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2466	165,5	6,28	623,0	3,0	0,0	0,0	0,0
2467	172,2	6,58	654,0	2,0	0,0	0,0	0,0
2468	152,8	6,36	632,0	2,0	0,0	0,0	0,0
2469	185,4	6,26	621,0	3,0	0,0	0,0	0,0
2470	188,2	6,27	623,0	2,0	0,0	0,0	0,0
2471	201,7	6,58	654,0	2,0	0,0	0,0	0,0
2472	189,1	6,27	623,0	2,0	0,0	0,0	0,0
2473	199,8	6,49	645,0	2,0	0,0	0,0	0,0
2474	125,3	6,16	612,0	2,0	0,0	0,0	0,0
2475	136,3	6,04	600,0	2,0	0,0	0,0	0,0
2476	158,8	6,05	601,0	2,0	0,0	0,0	0,0
2477	183,6	6,16	612,0	2,0	0,0	0,0	0,0
2478	145,9	6,49	645,0	2,0	0,0	0,0	0,0
2479	221,2	6,34	630,0	2,0	0,0	0,0	0,0
2480	185,3	6,24	620,0	2,0	0,0	0,0	0,0
2481	181,1	6,34	630,0	2,0	0,0	0,0	0,0
2482	167,1	6,19	615,0	2,0	0,0	0,0	0,0
2483	174,4	6,49	645,0	2,0	0,0	0,0	0,0
2484	174,4	6,34	630,0	2,0	0,0	0,0	0,0
2485	157,5	6,54	650,0	2,0	0,0	0,0	0,0
2486	164,6	6,58	654,0	2,0	0,0	0,0	0,0
2487	168,3	6,27	623,0	2,0	0,0	0,0	0,0
2488	193,3	6,04	600,0	2,0	0,0	0,0	0,0
2489	186,5	6,14	610,0	2,0	0,0	0,0	0,0
2490	192,8	6,24	620,0	2,0	0,0	0,0	0,0
2491	147,9	6,34	630,0	2,0	0,0	0,0	0,0
2492	171,5	6,24	620,0	2,0	0,0	0,0	0,0
2493	167,8	6,29	625,0	2,0	0,0	0,0	0,0
2494	190,7	6,27	623,0	2,0	0,0	0,0	0,0
2495	180,7	6,54	650,0	2,0	0,0	0,0	0,0
2496	181,5	6,44	640,0	2,0	0,0	0,0	0,0
2497	186,6	6,34	630,0	2,0	0,0	0,0	0,0
2498	171,7	6,24	620,0	2,0	0,0	0,0	0,0
2499	207,2	6,54	650,0	2,0	0,0	0,0	0,0
2500	184,9	6,54	650,0	2,0	0,0	0,0	0,0
2501	210,7	6,16	612,0	2,0	0,0	0,0	0,0
2502	169,9	6,44	640,0	2,0	0,0	0,0	0,0
2503	166,4	6,34	630,0	2,0	0,0	0,0	0,0
2504	167,8	6,24	620,0	2,0	0,0	0,0	0,0
2505	203,0	6,24	620,0	2,0	0,0	0,0	0,0
2506	178,5	6,30	623,0	4,0	0,0	0,0	0,0
2507	150,0	5,15	508,0	4,0	0,0	0,0	0,0
2508	133,9	5,25	518,0	4,0	0,0	0,0	0,0
2509	177,7	5,25	518,0	4,0	0,0	0,0	0,0
2510	225,9	6,02	593,0	5,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2511	176,3	6,02	593,0	5,0	0,0	0,0	0,0
2512	185,3	6,02	593,0	5,0	0,0	0,0	0,0
2513	151,7	7,94	783,0	6,0	0,0	0,0	0,0
2514	135,7	7,94	783,0	6,0	0,0	0,0	0,0
2515	137,9	7,97	783,0	8,0	0,0	0,0	0,0
2516	165,6	10,52	1038,0	8,0	0,0	0,0	0,0
2517	196,6	10,52	1038,0	8,0	0,0	0,0	0,0
2518	161,7	10,52	1038,0	8,0	0,0	0,0	0,0
2519	164,5	15,77	1559,0	10,0	0,0	0,0	0,0
2520	93,5	15,77	1559,0	10,0	0,0	0,0	0,0
2521	143,7	37,90	3765,0	14,0	0,0	0,0	0,0
2522	117,1	41,79	4151,0	14,0	1,0	0,0	0,0
2523	123,8	45,68	4538,0	15,0	1,0	0,0	0,0
2524	162,6	45,68	4538,0	15,0	1,0	0,0	0,0
2525	139,0	38,32	3803,0	13,0	2,0	0,0	0,0
2526	99,8	38,32	3803,0	13,0	2,0	0,0	0,0
2527	112,6	34,77	3450,0	12,0	2,0	0,0	0,0
2528	120,2	34,77	3450,0	12,0	2,0	0,0	0,0
2529	122,6	34,77	3450,0	12,0	2,0	0,0	0,0
2530	119,3	29,49	2923,0	10,0	3,0	0,0	0,0
2531	118,2	29,49	2923,0	10,0	3,0	0,0	0,0
2532	164,8	28,13	2794,0	9,0	1,0	0,0	0,0
2533	121,1	28,13	2794,0	9,0	1,0	0,0	0,0
2534	116,7	22,93	2272,0	10,0	1,0	0,0	0,0
2535	120,1	22,93	2272,0	10,0	1,0	0,0	0,0
2536	133,6	22,93	2272,0	10,0	1,0	0,0	0,0
2537	130,2	20,70	2049,0	10,0	1,0	0,0	0,0
2538	126,8	20,70	2049,0	10,0	1,0	0,0	0,0
2539	108,3	17,14	1694,0	8,0	2,0	0,0	0,0
2540	129,7	17,14	1694,0	8,0	2,0	0,0	0,0
2541	101,8	14,24	1409,0	7,0	1,0	0,0	0,0
2542	161,6	14,24	1409,0	7,0	1,0	0,0	0,0
2543	153,9	14,07	1390,0	8,0	1,0	0,0	0,0
2544	198,5	13,84	1370,0	8,0	0,0	0,0	0,0
2545	160,8	13,84	1370,0	8,0	0,0	0,0	0,0
2546	168,8	12,89	1271,0	7,0	2,0	0,0	0,0
2547	153,2	12,89	1271,0	7,0	2,0	0,0	0,0
2548	121,7	12,89	1271,0	7,0	2,0	0,0	0,0
2549	125,6	11,46	1132,0	6,0	1,0	0,0	0,0
2550	156,0	11,46	1132,0	6,0	1,0	0,0	0,0
2551	142,8	11,46	1132,0	6,0	1,0	0,0	0,0
2552	147,6	10,79	1066,0	7,0	0,0	0,0	0,0
2553	140,6	10,79	1066,0	7,0	0,0	0,0	0,0
2554	165,0	9,64	950,0	5,0	2,0	0,0	0,0
2555	134,0	9,64	950,0	5,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2556	123,9	9,64	950,0	5,0	2,0	0,0	0,0
2557	137,8	10,11	1000,0	6,0	0,0	0,0	0,0
2558	122,0	9,03	889,0	6,0	1,0	0,0	0,0
2559	132,6	9,03	889,0	6,0	1,0	0,0	0,0
2560	81,5	9,03	889,0	6,0	1,0	0,0	0,0
2561	150,9	9,40	926,0	6,0	1,0	0,0	0,0
2562	148,4	9,40	926,0	6,0	1,0	0,0	0,0
2563	118,3	10,18	1004,0	6,0	1,0	0,0	0,0
2564	101,9	10,18	1004,0	6,0	1,0	0,0	0,0
2565	139,2	10,61	1044,0	8,0	1,0	0,0	0,0
2566	118,0	10,61	1044,0	8,0	1,0	0,0	0,0
2567	111,1	13,02	1285,0	8,0	1,0	0,0	0,0
2568	80,6	13,02	1285,0	8,0	1,0	0,0	0,0
2569	112,2	12,58	1242,0	6,0	2,0	0,0	0,0
2570	100,5	12,58	1242,0	6,0	2,0	0,0	0,0
2571	137,4	19,80	1959,0	10,0	1,0	0,0	0,0
2572	125,5	19,80	1959,0	10,0	1,0	0,0	0,0
2573	137,9	20,90	2063,0	12,0	2,0	0,0	0,0
2574	117,7	20,90	2063,0	12,0	2,0	0,0	0,0
2575	146,8	20,98	2074,0	12,0	1,0	0,0	0,0
2576	137,2	20,98	2074,0	12,0	1,0	0,0	0,0
2577	87,8	21,84	2160,0	12,0	1,0	0,0	0,0
2578	109,7	21,84	2160,0	12,0	1,0	0,0	0,0
2579	120,7	23,39	2314,0	11,0	2,0	0,0	0,0
2580	125,0	23,39	2314,0	11,0	2,0	0,0	0,0
2581	132,7	23,39	2314,0	11,0	2,0	0,0	0,0
2582	129,4	24,47	2423,0	12,0	1,0	0,0	0,0
2583	137,6	24,47	2423,0	12,0	1,0	0,0	0,0
2584	115,3	24,16	2396,0	11,0	0,0	0,0	0,0
2585	115,7	24,16	2396,0	11,0	0,0	0,0	0,0
2586	143,2	20,15	1994,0	10,0	1,0	0,0	0,0
2587	123,8	20,15	1994,0	10,0	1,0	0,0	0,0
2588	120,6	19,90	1969,0	10,0	1,0	0,0	0,0
2589	114,6	19,90	1969,0	10,0	1,0	0,0	0,0
2590	158,1	24,35	2406,0	13,0	2,0	0,0	0,0
2591	133,9	24,35	2406,0	13,0	2,0	0,0	0,0
2592	119,4	21,90	2167,0	11,0	1,0	0,0	0,0
2593	145,1	21,50	2127,0	10,0	2,0	0,0	0,0
2594	137,0	21,50	2127,0	10,0	2,0	0,0	0,0
2595	108,4	15,14	1500,0	8,0	0,0	0,0	0,0
2596	126,3	8,11	800,0	6,0	0,0	0,0	0,0
2597	132,6	6,18	608,0	4,0	1,0	0,0	0,0
2598	140,5	6,18	608,0	4,0	1,0	0,0	0,0
2599	131,0	8,62	850,0	5,0	1,0	0,0	0,0
2600	156,2	8,62	850,0	5,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2601	146,1	8,04	792,0	5,0	1,0	0,0	0,0
2602	70,0	2,80	272,0	3,0	1,0	0,0	0,0
2603	57,9	2,80	272,0	3,0	1,0	0,0	0,0
2604	59,6	2,52	246,0	2,0	1,0	0,0	0,0
2605	53,4	3,35	329,0	2,0	1,0	0,0	0,0
2606	59,1	3,78	370,0	3,0	1,0	0,0	0,0
2607	41,8	3,78	370,0	3,0	1,0	0,0	0,0
2608	65,4	3,75	369,0	2,0	1,0	0,0	0,0
2609	65,2	4,37	429,0	3,0	1,0	0,0	0,0
2610	18,2	4,72	464,0	3,0	1,0	0,0	0,0
2611	73,3	4,72	464,0	3,0	1,0	0,0	0,0
2612	123,0	4,67	462,0	3,0	0,0	0,0	0,0
2613	110,7	4,73	468,0	3,0	0,0	0,0	0,0
2614	77,6	5,06	496,0	4,0	1,0	0,0	0,0
2615	72,9	5,06	496,0	4,0	1,0	0,0	0,0
2616	89,7	5,06	496,0	4,0	1,0	0,0	0,0
2617	88,6	5,00	495,0	3,0	0,0	0,0	0,0
2618	79,3	6,02	594,0	3,0	1,0	0,0	0,0
2619	54,3	7,43	736,0	4,0	0,0	0,0	0,0
2620	74,0	9,88	974,0	6,0	1,0	0,0	0,0
2621	92,3	9,88	974,0	6,0	1,0	0,0	0,0
2622	80,0	6,38	628,0	4,0	1,0	0,0	0,0
2623	122,2	6,38	628,0	4,0	1,0	0,0	0,0
2624	135,1	6,93	683,0	4,0	1,0	0,0	0,0
2625	100,4	6,93	683,0	4,0	1,0	0,0	0,0
2626	134,3	7,64	752,0	5,0	1,0	0,0	0,0
2627	126,2	7,64	752,0	5,0	1,0	0,0	0,0
2628	91,2	7,69	757,0	5,0	1,0	0,0	0,0
2629	124,3	8,16	804,0	5,0	1,0	0,0	0,0
2630	87,7	8,16	804,0	5,0	1,0	0,0	0,0
2631	98,8	8,16	804,0	5,0	1,0	0,0	0,0
2632	99,7	7,94	786,0	3,0	1,0	0,0	0,0
2633	123,5	7,94	786,0	3,0	1,0	0,0	0,0
2634	162,1	7,24	716,0	3,0	1,0	0,0	0,0
2635	107,8	7,24	716,0	3,0	1,0	0,0	0,0
2636	80,1	6,30	625,0	3,0	0,0	0,0	0,0
2637	115,2	6,30	625,0	3,0	0,0	0,0	0,0
2638	144,9	6,72	662,0	4,0	1,0	0,0	0,0
2639	112,4	6,72	662,0	4,0	1,0	0,0	0,0
2640	106,0	6,23	615,0	3,0	1,0	0,0	0,0
2641	138,0	6,23	615,0	3,0	1,0	0,0	0,0
2642	124,7	6,75	667,0	3,0	1,0	0,0	0,0
2643	123,8	6,75	667,0	3,0	1,0	0,0	0,0
2644	122,9	6,75	667,0	3,0	1,0	0,0	0,0
2645	127,7	6,73	665,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2646	120,7	6,73	665,0	3,0	1,0	0,0	0,0
2647	109,4	6,75	665,0	4,0	1,0	0,0	0,0
2648	114,7	6,54	644,0	4,0	1,0	0,0	0,0
2649	138,5	6,29	622,0	4,0	0,0	0,0	0,0
2650	117,2	6,39	631,0	3,0	1,0	0,0	0,0
2651	138,8	6,39	631,0	3,0	1,0	0,0	0,0
2652	116,7	6,39	631,0	3,0	1,0	0,0	0,0
2653	124,0	6,12	606,0	2,0	1,0	0,0	0,0
2654	127,8	7,03	695,0	3,0	1,0	0,0	0,0
2655	124,2	7,00	695,0	3,0	0,0	0,0	0,0
2656	148,6	7,03	695,0	3,0	1,0	0,0	0,0
2657	131,1	6,65	657,0	3,0	1,0	0,0	0,0
2658	106,5	6,65	657,0	3,0	1,0	0,0	0,0
2659	113,6	6,85	677,0	3,0	1,0	0,0	0,0
2660	121,5	6,85	677,0	3,0	1,0	0,0	0,0
2661	149,1	6,85	677,0	3,0	1,0	0,0	0,0
2662	138,1	5,96	590,0	2,0	1,0	0,0	0,0
2663	139,7	6,01	593,0	3,0	1,0	0,0	0,0
2664	146,6	6,01	593,0	3,0	1,0	0,0	0,0
2665	173,8	6,01	593,0	3,0	1,0	0,0	0,0
2666	144,6	6,67	659,0	3,0	1,0	0,0	0,0
2667	141,3	6,64	659,0	3,0	0,0	0,0	0,0
2668	150,0	6,64	659,0	3,0	0,0	0,0	0,0
2669	144,9	6,44	636,0	3,0	1,0	0,0	0,0
2670	115,7	6,44	636,0	3,0	1,0	0,0	0,0
2671	136,2	6,46	636,0	4,0	1,0	0,0	0,0
2672	133,9	5,92	582,0	4,0	1,0	0,0	0,0
2673	147,2	5,92	582,0	4,0	1,0	0,0	0,0
2674	137,8	4,98	490,0	3,0	1,0	0,0	0,0
2675	142,5	5,28	520,0	3,0	1,0	0,0	0,0
2676	87,7	5,26	520,0	2,0	1,0	0,0	0,0
2677	109,7	5,26	520,0	2,0	1,0	0,0	0,0
2678	138,1	5,01	495,0	2,0	1,0	0,0	0,0
2679	123,3	5,06	500,0	2,0	1,0	0,0	0,0
2680	92,3	5,04	500,0	2,0	0,0	0,0	0,0
2681	94,7	6,12	602,0	4,0	1,0	0,0	0,0
2682	106,7	6,12	602,0	4,0	1,0	0,0	0,0
2683	120,3	6,74	664,0	4,0	1,0	0,0	0,0
2684	98,1	8,92	882,0	4,0	1,0	0,0	0,0
2685	131,8	8,92	882,0	4,0	1,0	0,0	0,0
2686	125,7	7,54	750,0	2,0	0,0	0,0	0,0
2687	124,5	7,39	735,0	2,0	0,0	0,0	0,0
2688	118,7	7,04	700,0	2,0	0,0	0,0	0,0
2689	122,1	6,79	675,0	2,0	0,0	0,0	0,0
2690	133,9	6,45	637,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2691	127,1	6,45	637,0	3,0	1,0	0,0	0,0
2692	146,4	6,34	628,0	2,0	1,0	0,0	0,0
2693	149,6	5,56	550,0	2,0	1,0	0,0	0,0
2694	117,7	5,06	500,0	2,0	1,0	0,0	0,0
2695	71,6	4,56	450,0	2,0	1,0	0,0	0,0
2696	122,3	4,06	400,0	2,0	1,0	0,0	0,0
2697	80,0	2,89	283,0	2,0	1,0	0,0	0,0
2698	78,1	2,89	283,0	2,0	1,0	0,0	0,0
2699	120,0	2,89	283,0	2,0	1,0	0,0	0,0
2700	108,2	3,24	318,0	2,0	1,0	0,0	0,0
2701	52,2	3,16	308,0	3,0	1,0	0,0	0,0
2702	112,3	5,01	495,0	2,0	1,0	0,0	0,0
2703	116,0	5,49	541,0	3,0	1,0	0,0	0,0
2704	56,8	6,17	611,0	2,0	1,0	0,0	0,0
2705	121,5	6,17	611,0	2,0	1,0	0,0	0,0
2706	132,4	6,76	668,0	3,0	1,0	0,0	0,0
2707	88,9	7,67	759,0	3,0	1,0	0,0	0,0
2708	61,3	8,98	893,0	3,0	0,0	0,0	0,0
2709	141,0	8,98	893,0	3,0	0,0	0,0	0,0
2710	83,1	9,79	969,0	4,0	1,0	0,0	0,0
2711	65,4	11,46	1133,0	4,0	2,0	0,0	0,0
2712	103,3	15,94	1578,0	6,0	2,0	0,0	0,0
2713	123,2	20,70	2056,0	6,0	1,0	0,0	0,0
2714	110,5	4,08	404,0	2,0	0,0	0,0	0,0
2715	120,0	4,08	404,0	2,0	0,0	0,0	0,0
2716	184,0	5,85	580,0	3,0	0,0	0,0	0,0
271700%	120,7	5,85	580,0	3,0	0,0	0,0	0,0
2718	154,4	7,92	782,0	4,0	1,0	0,0	0,0
2719	138,5	7,92	782,0	4,0	1,0	0,0	0,0
2720	164,5	7,92	782,0	4,0	1,0	0,0	0,0
2721	124,4	9,65	955,0	4,0	1,0	0,0	0,0
2722	164,8	9,65	955,0	4,0	1,0	0,0	0,0
2723	178,2	9,65	955,0	4,0	1,0	0,0	0,0
2724	159,7	12,47	1237,0	4,0	1,0	0,0	0,0
2725	144,4	12,47	1237,0	4,0	1,0	0,0	0,0
2726	150,3	13,87	1377,0	4,0	1,0	0,0	0,0
2727	154,3	13,87	1377,0	4,0	1,0	0,0	0,0
2728	142,9	13,87	1377,0	4,0	1,0	0,0	0,0
2729	143,9	14,11	1399,0	5,0	1,0	0,0	0,0
2730	144,4	14,11	1399,0	5,0	1,0	0,0	0,0
2731	120,7	13,76	1366,0	4,0	1,0	0,0	0,0
2732	157,9	13,76	1366,0	4,0	1,0	0,0	0,0
2733	117,3	13,52	1340,0	5,0	1,0	0,0	0,0
2734	129,6	13,52	1340,0	5,0	1,0	0,0	0,0
2735	149,2	13,52	1340,0	5,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2736	177,5	13,63	1351,0	5,0	1,0	0,0	0,0
2737	141,1	13,63	1351,0	5,0	1,0	0,0	0,0
2738	166,1	12,75	1266,0	5,0	0,0	0,0	0,0
2739	151,3	12,75	1266,0	5,0	0,0	0,0	0,0
2740	137,3	12,60	1251,0	5,0	0,0	0,0	0,0
2741	99,6	12,60	1251,0	5,0	0,0	0,0	0,0
2742	144,7	12,60	1251,0	5,0	0,0	0,0	0,0
2743	142,3	11,99	1189,0	4,0	1,0	0,0	0,0
2744	136,6	11,99	1189,0	4,0	1,0	0,0	0,0
2745	139,2	11,50	1142,0	3,0	1,0	0,0	0,0
2746	195,3	11,50	1142,0	3,0	1,0	0,0	0,0
2747	157,5	12,08	1196,0	5,0	1,0	0,0	0,0
2748	138,6	12,08	1196,0	5,0	1,0	0,0	0,0
2749	155,8	12,08	1196,0	5,0	1,0	0,0	0,0
2750	150,0	12,72	1260,0	5,0	1,0	0,0	0,0
2751	143,5	12,72	1260,0	5,0	1,0	0,0	0,0
2752	168,4	12,72	1260,0	5,0	1,0	0,0	0,0
2753	146,0	12,53	1241,0	5,0	1,0	0,0	0,0
2754	148,1	12,53	1241,0	5,0	1,0	0,0	0,0
2755	198,0	14,56	1442,0	6,0	1,0	0,0	0,0
2756	124,4	14,56	1442,0	6,0	1,0	0,0	0,0
2757	169,6	14,56	1442,0	6,0	1,0	0,0	0,0
2758	208,4	14,56	1442,0	6,0	1,0	0,0	0,0
2759	185,1	13,08	1294,0	6,0	1,0	0,0	0,0
2760	143,2	13,08	1294,0	6,0	1,0	0,0	0,0
2761	121,6	12,50	1238,0	5,0	1,0	0,0	0,0
2762	30,8	11,92	1182,0	4,0	1,0	0,0	0,0
2763	142,5	11,92	1182,0	4,0	1,0	0,0	0,0
2764	182,9	11,92	1182,0	4,0	1,0	0,0	0,0
2765	166,8	10,60	1048,0	5,0	1,0	0,0	0,0
2766	145,4	10,60	1048,0	5,0	1,0	0,0	0,0
2767	140,6	9,46	936,0	4,0	1,0	0,0	0,0
2768	162,0	9,46	936,0	4,0	1,0	0,0	0,0
2769	155,4	9,46	936,0	4,0	1,0	0,0	0,0
2770	161,4	9,63	951,0	5,0	1,0	0,0	0,0
2771	101,6	9,63	951,0	5,0	1,0	0,0	0,0
2772	147,0	9,70	960,0	4,0	1,0	0,0	0,0
2773	153,6	9,76	969,0	4,0	0,0	0,0	0,0
2774	174,1	9,76	969,0	4,0	0,0	0,0	0,0
2775	114,8	9,27	920,0	4,0	0,0	0,0	0,0
2776	121,7	9,27	920,0	4,0	0,0	0,0	0,0
2777	170,6	9,27	920,0	4,0	0,0	0,0	0,0
2778	136,8	8,56	849,0	4,0	0,0	0,0	0,0
2779	161,4	8,56	849,0	4,0	0,0	0,0	0,0
2780	161,4	8,56	849,0	4,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2781	148,4	9,12	905,0	4,0	0,0	0,0	0,0
2782	134,9	9,12	905,0	4,0	0,0	0,0	0,0
2783	123,9	7,89	784,0	3,0	0,0	0,0	0,0
2784	146,0	7,89	784,0	3,0	0,0	0,0	0,0
2785	28,8	7,07	700,0	2,5	1,0	0,0	0,0
2786	155,8	6,57	650,0	2,3	1,0	0,0	0,0
2787	155,3	6,07	600,0	2,3	1,0	0,0	0,0
2788	142,0	6,29	625,0	2,1	0,0	0,0	0,0
2789	153,0	6,33	630,0	1,8	0,0	0,0	0,0
2790	214,2	6,06	600,0	2,0	1,0	0,0	0,0
2791	230,8	6,31	625,0	2,0	1,0	0,0	0,0
2792	312,6	6,18	610,0	3,0	1,0	0,0	0,0
2793	84,1	4,06	402,0	2,0	0,0	0,0	0,0
2794	166,1	4,06	402,0	2,0	0,0	0,0	0,0
2795	169,1	4,06	402,0	2,0	0,0	0,0	0,0
2796	212,9	4,75	469,0	2,0	1,0	0,0	0,0
2797	100,0	4,73	469,0	2,0	0,0	0,0	0,0
2798	72,0	5,73	565,0	3,0	1,0	0,0	0,0
2799	138,6	5,73	565,0	3,0	1,0	0,0	0,0
2800	149,2	7,88	780,0	3,0	1,0	0,0	0,0
2801	180,0	10,04	996,0	3,0	1,0	0,0	0,0
2802	120,5	10,04	996,0	3,0	1,0	0,0	0,0
2803	163,5	18,08	1798,0	4,0	1,0	0,0	0,0
2804	178,1	18,08	1798,0	4,0	1,0	0,0	0,0
2805	209,4	18,08	1798,0	4,0	1,0	0,0	0,0
2806	197,8	23,53	2343,0	4,0	1,0	0,0	0,0
2807	161,2	23,53	2343,0	4,0	1,0	0,0	0,0
2808	154,6	23,53	2343,0	4,0	1,0	0,0	0,0
2809	165,8	29,56	2944,0	5,0	1,0	0,0	0,0
2810	90,0	29,56	2944,0	5,0	1,0	0,0	0,0
2811	167,7	36,75	3663,0	5,0	1,0	0,0	0,0
2812	152,2	36,75	3663,0	5,0	1,0	0,0	0,0
2813	163,7	36,75	3663,0	5,0	1,0	0,0	0,0
2814	178,8	36,95	3681,0	6,0	1,0	0,0	0,0
2815	190,8	36,95	3681,0	6,0	1,0	0,0	0,0
2816	215,7	36,95	3681,0	6,0	1,0	0,0	0,0
2817	159,4	30,10	2998,0	5,0	1,0	0,0	0,0
2818	197,3	30,10	2998,0	5,0	1,0	0,0	0,0
2819	158,8	30,10	2998,0	5,0	1,0	0,0	0,0
2820	159,0	30,10	2998,0	5,0	1,0	0,0	0,0
2821	195,2	24,16	2404,0	5,0	1,0	0,0	0,0
2822	187,3	24,16	2404,0	5,0	1,0	0,0	0,0
2823	179,7	24,16	2404,0	5,0	1,0	0,0	0,0
2824	212,5	19,35	1923,0	5,0	1,0	0,0	0,0
2825	233,0	19,35	1923,0	5,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2826	174,5	19,35	1923,0	5,0	1,0	0,0	0,0
2827	161,7	19,35	1923,0	5,0	1,0	0,0	0,0
2828	225,3	19,35	1923,0	5,0	1,0	0,0	0,0
2829	216,2	18,94	1882,0	5,0	1,0	0,0	0,0
2830	176,3	18,53	1841,0	5,0	1,0	0,0	0,0
2831	247,9	15,53	1546,0	4,0	0,0	0,0	0,0
2832	221,4	15,53	1546,0	4,0	0,0	0,0	0,0
2833	212,0	15,53	1546,0	4,0	0,0	0,0	0,0
2834	256,1	15,69	1557,0	5,0	1,0	0,0	0,0
2835	217,4	15,69	1557,0	5,0	1,0	0,0	0,0
2836	226,2	15,69	1557,0	5,0	1,0	0,0	0,0
2837	234,4	15,69	1557,0	5,0	1,0	0,0	0,0
2838	250,5	15,69	1557,0	5,0	1,0	0,0	0,0
2839	203,9	15,67	1555,0	5,0	1,0	0,0	0,0
2840	232,3	15,64	1552,0	5,0	1,0	0,0	0,0
2841	272,4	15,64	1552,0	5,0	1,0	0,0	0,0
2842	257,7	15,64	1552,0	5,0	1,0	0,0	0,0
2843	211,8	15,66	1552,0	5,0	2,0	0,0	0,0
2844	269,9	14,70	1456,0	5,0	2,0	0,0	0,0
2845	255,7	14,86	1472,0	5,0	2,0	0,0	0,0
2846	227,4	15,02	1488,0	5,0	2,0	0,0	0,0
2847	221,7	15,00	1488,0	5,0	1,0	0,0	0,0
2848	253,4	14,97	1488,0	5,0	0,0	0,0	0,0
2849	211,8	14,97	1488,0	5,0	0,0	0,0	0,0
2850	160,6	15,00	1488,0	5,0	1,0	0,0	0,0
2851	207,5	13,47	1335,0	5,0	1,0	0,0	0,0
2852	178,6	13,47	1335,0	5,0	1,0	0,0	0,0
2853	168,2	13,96	1384,0	5,0	1,0	0,0	0,0
2854	200,2	13,96	1384,0	5,0	1,0	0,0	0,0
2855	167,8	13,96	1384,0	5,0	1,0	0,0	0,0
2856	193,6	15,04	1490,0	6,0	1,0	0,0	0,0
2857	152,3	15,04	1490,0	6,0	1,0	0,0	0,0
2858	229,4	15,04	1490,0	6,0	1,0	0,0	0,0
2859	274,9	15,04	1490,0	6,0	1,0	0,0	0,0
2860	224,0	15,04	1490,0	6,0	1,0	0,0	0,0
2861	230,7	13,56	1346,0	4,0	1,0	0,0	0,0
2862	237,8	13,56	1346,0	4,0	1,0	0,0	0,0
2863	225,9	13,56	1346,0	4,0	1,0	0,0	0,0
2864	245,3	13,16	1306,0	4,0	1,0	0,0	0,0
2865	254,4	12,79	1267,0	5,0	1,0	0,0	0,0
2866	228,0	12,79	1267,0	5,0	1,0	0,0	0,0
2867	183,9	12,79	1267,0	5,0	1,0	0,0	0,0
2868	220,5	12,61	1249,0	5,0	1,0	0,0	0,0
2869	285,8	12,41	1231,0	4,0	1,0	0,0	0,0
2870	135,5	12,41	1231,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2871	197,0	12,41	1231,0	4,0	1,0	0,0	0,0
2872	210,5	14,10	1398,0	5,0	1,0	0,0	0,0
2873	195,0	14,10	1398,0	5,0	1,0	0,0	0,0
2874	167,3	14,10	1398,0	5,0	1,0	0,0	0,0
2875	207,6	14,10	1398,0	5,0	1,0	0,0	0,0
2876	172,0	12,22	1210,0	5,0	1,0	0,0	0,0
2877	196,5	12,22	1210,0	5,0	1,0	0,0	0,0
2878	167,8	13,13	1301,0	5,0	1,0	0,0	0,0
2879	92,5	14,02	1393,0	5,0	0,0	0,0	0,0
2880	266,0	14,02	1393,0	5,0	0,0	0,0	0,0
2881	269,6	14,02	1393,0	5,0	0,0	0,0	0,0
2882	186,2	15,30	1523,0	4,0	0,0	0,0	0,0
2883	180,0	15,30	1523,0	4,0	0,0	0,0	0,0
2884	261,3	18,73	1859,0	6,0	1,0	0,0	0,0
2885	178,8	18,09	1800,0	5,0	0,0	0,0	0,0
2886	258,7	17,57	1750,0	4,0	0,0	0,0	0,0
2887	219,3	17,55	1750,0	3,0	0,0	0,0	0,0
2888	165,3	17,53	1748,0	3,0	0,0	0,0	0,0
2889	192,1	16,67	1657,0	4,0	1,0	0,0	0,0
2890	189,3	16,67	1657,0	4,0	1,0	0,0	0,0
2891	161,9	16,67	1657,0	4,0	1,0	0,0	0,0
2892	112,6	12,47	1239,0	3,0	1,0	0,0	0,0
2893	133,5	12,47	1239,0	3,0	1,0	0,0	0,0
2894	158,2	9,18	912,0	2,0	1,0	0,0	0,0
2895	201,4	9,18	912,0	2,0	1,0	0,0	0,0
2896	246,5	9,18	912,0	2,0	1,0	0,0	0,0
2897	223,7	9,18	912,0	2,0	1,0	0,0	0,0
2898	217,3	8,45	841,0	2,0	0,0	0,0	0,0
2899	235,8	8,45	841,0	2,0	0,0	0,0	0,0
CHACRA FORMATION							
2900	240,2	8,45	841,0	2,0	0,0	0,0	0,0
2901	218,4	8,45	841,0	2,0	0,0	0,0	0,0
2902	228,7	8,53	847,0	2,0	1,0	0,0	0,0
2903	242,9	8,53	847,0	2,0	1,0	0,0	0,0
2904	269,6	8,53	847,0	2,0	1,0	0,0	0,0
2905	285,9	7,93	787,0	2,0	1,0	0,0	0,0
2906	236,4	7,34	728,0	2,0	1,0	0,0	0,0
2907	270,2	7,29	725,0	2,0	0,0	0,0	0,0
2908	286,4	7,30	726,0	2,0	0,0	0,0	0,0
2909	253,1	8,26	818,0	3,0	1,0	0,0	0,0
2910	234,7	8,26	818,0	3,0	1,0	0,0	0,0
2911	269,6	8,26	818,0	3,0	1,0	0,0	0,0
2912	224,9	8,26	818,0	3,0	1,0	0,0	0,0
2913	211,2	8,26	818,0	3,0	1,0	0,0	0,0
2914	135,2	8,26	818,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2915	274,1	9,69	961,0	3,0	1,0	0,0	0,0
2916	251,7	9,69	961,0	3,0	1,0	0,0	0,0
2917	230,8	9,69	961,0	3,0	1,0	0,0	0,0
2918	213,0	10,27	1022,0	3,0	0,0	0,0	0,0
2919	285,6	10,27	1022,0	3,0	0,0	0,0	0,0
2920	223,6	10,27	1022,0	3,0	0,0	0,0	0,0
2921	289,2	10,27	1022,0	3,0	0,0	0,0	0,0
2922	254,5	9,59	951,0	3,0	1,0	0,0	0,0
2923	255,7	9,59	951,0	3,0	1,0	0,0	0,0
2924	283,1	9,59	951,0	3,0	1,0	0,0	0,0
2925	251,7	9,59	951,0	3,0	1,0	0,0	0,0
2926	261,8	9,65	952,0	4,0	2,0	0,0	0,0
2927	233,8	9,65	952,0	4,0	2,0	0,0	0,0
2928	231,5	9,65	952,0	4,0	2,0	0,0	0,0
2929	223,5	9,65	952,0	4,0	2,0	0,0	0,0
2930	221,0	10,23	1013,0	4,0	1,0	0,0	0,0
2931	272,0	10,23	1013,0	4,0	1,0	0,0	0,0
2932	261,2	10,23	1013,0	4,0	1,0	0,0	0,0
2933	260,6	10,04	996,0	3,0	1,0	0,0	0,0
2934	201,4	10,04	996,0	3,0	1,0	0,0	0,0
2935	163,6	10,04	996,0	3,0	1,0	0,0	0,0
2936	205,9	10,04	996,0	3,0	1,0	0,0	0,0
2937	239,0	9,73	963,0	4,0	1,0	0,0	0,0
2938	233,7	9,73	963,0	4,0	1,0	0,0	0,0
2939	206,2	9,73	963,0	4,0	1,0	0,0	0,0
2940	271,0	10,71	1063,0	3,0	1,0	0,0	0,0
2941	112,0	10,71	1063,0	3,0	1,0	0,0	0,0
2942	237,6	10,71	1063,0	3,0	1,0	0,0	0,0
2943	179,8	10,71	1063,0	3,0	1,0	0,0	0,0
2944	182,5	11,46	1133,0	4,0	2,0	0,0	0,0
2945	210,8	11,46	1133,0	4,0	2,0	0,0	0,0
2946	222,2	11,46	1133,0	4,0	2,0	0,0	0,0
2947	218,4	11,42	1134,0	3,0	1,0	0,0	0,0
2948	239,5	11,42	1134,0	3,0	1,0	0,0	0,0
2949	233,9	11,42	1134,0	3,0	1,0	0,0	0,0
2950	238,3	11,42	1134,0	3,0	1,0	0,0	0,0
2951	237,4	11,42	1134,0	3,0	1,0	0,0	0,0
2952	286,1	8,72	862,0	4,0	1,0	0,0	0,0
2953	154,4	8,72	862,0	4,0	1,0	0,0	0,0
2954	113,6	8,72	862,0	4,0	1,0	0,0	0,0
2955	169,8	7,98	792,0	2,0	1,0	0,0	0,0
2956	178,0	7,98	792,0	2,0	1,0	0,0	0,0
2957	211,8	7,98	792,0	2,0	1,0	0,0	0,0
2958	240,7	8,59	851,0	3,0	1,0	0,0	0,0
2959	196,5	8,59	851,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
2960	187,3	8,59	851,0	3,0	1,0	0,0	0,0
2961	142,2	12,48	1238,0	4,0	1,0	0,0	0,0
2962	196,2	12,48	1238,0	4,0	1,0	0,0	0,0
2963	194,0	12,48	1238,0	4,0	1,0	0,0	0,0
2964	166,0	12,48	1238,0	4,0	1,0	0,0	0,0
2965	244,5	11,28	1119,0	5,0	0,0	0,0	0,0
2966	226,7	11,28	1119,0	5,0	0,0	0,0	0,0
2967	245,0	11,28	1119,0	5,0	0,0	0,0	0,0
2968	244,6	11,28	1119,0	5,0	0,0	0,0	0,0
2969	226,1	9,87	977,0	4,0	1,0	0,0	0,0
2970	203,3	9,87	977,0	4,0	1,0	0,0	0,0
2971	200,0	11,85	1175,0	4,0	1,0	0,0	0,0
2972	181,1	10,71	1063,0	3,0	1,0	0,0	0,0
2973	210,0	10,71	1063,0	3,0	1,0	0,0	0,0
2974	206,7	10,71	1063,0	3,0	1,0	0,0	0,0
2975	266,5	10,71	1063,0	3,0	1,0	0,0	0,0
2976	150,0	11,46	1133,0	4,0	2,0	0,0	0,0
2977	179,3	11,46	1133,0	4,0	2,0	0,0	0,0
2978	170,4	12,58	1246,0	5,0	1,0	0,0	0,0
2979	157,3	12,58	1246,0	5,0	1,0	0,0	0,0
2980	200,8	14,60	1446,0	6,0	1,0	0,0	0,0
2981	151,3	12,29	1217,0	5,0	1,0	0,0	0,0
2982	95,0	2,64	260,0	2,0	0,0	0,0	0,0
2983	161,6	2,64	260,0	2,0	0,0	0,0	0,0
2984	158,9	3,96	390,0	2,0	1,0	0,0	0,0
2985	240,9	3,96	390,0	2,0	1,0	0,0	0,0
2986	287,7	3,96	390,0	2,0	1,0	0,0	0,0
2987	194,8	4,76	472,0	2,0	0,0	0,0	0,0
2988	200,3	4,76	472,0	2,0	0,0	0,0	0,0
2989	169,1	4,76	472,0	2,0	0,0	0,0	0,0
2990	163,2	5,68	566,0	1,0	0,0	0,0	0,0
2991	178,6	5,68	566,0	1,0	0,0	0,0	0,0
2992	176,8	5,68	566,0	1,0	0,0	0,0	0,0
2993	170,6	6,79	671,0	3,0	1,0	0,0	0,0
2994	201,7	6,79	671,0	3,0	1,0	0,0	0,0
2995	191,3	6,79	671,0	3,0	1,0	0,0	0,0
2996	198,4	6,79	671,0	3,0	1,0	0,0	0,0
2997	233,2	7,00	692,0	3,0	1,0	0,0	0,0
2998	170,8	7,00	692,0	3,0	1,0	0,0	0,0
2999	193,0	7,99	793,0	2,0	1,0	0,0	0,0
3000	128,8	7,99	793,0	2,0	1,0	0,0	0,0
3001	150,0	7,99	793,0	2,0	1,0	0,0	0,0
3002	173,6	8,37	829,0	3,0	1,0	0,0	0,0
3003	213,3	8,37	829,0	3,0	1,0	0,0	0,0
3004	211,2	8,37	829,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3005	207,3	8,75	871,0	2,0	0,0	0,0	0,0
3006	209,3	8,75	871,0	2,0	0,0	0,0	0,0
3007	205,6	8,75	871,0	2,0	0,0	0,0	0,0
3008	204,0	8,75	871,0	2,0	0,0	0,0	0,0
3009	203,2	8,75	871,0	2,0	0,0	0,0	0,0
3010	208,1	9,26	916,0	4,0	1,0	0,0	0,0
3011	147,7	9,26	916,0	4,0	1,0	0,0	0,0
3012	184,5	9,74	966,0	3,0	1,0	0,0	0,0
3013	129,1	9,74	966,0	3,0	1,0	0,0	0,0
3014	183,5	9,74	966,0	3,0	1,0	0,0	0,0
3015	191,2	10,09	1001,0	3,0	1,0	0,0	0,0
3016	167,8	10,09	1001,0	3,0	1,0	0,0	0,0
3017	169,6	10,09	1001,0	3,0	1,0	0,0	0,0
3018	202,7	10,00	990,0	4,0	1,0	0,0	0,0
3019	172,0	10,00	990,0	4,0	1,0	0,0	0,0
3020	162,0	10,00	990,0	4,0	1,0	0,0	0,0
3021	183,9	10,27	1017,0	4,0	1,0	0,0	0,0
3022	169,1	10,27	1017,0	4,0	1,0	0,0	0,0
3023	153,9	10,27	1017,0	4,0	1,0	0,0	0,0
3024	186,1	11,11	1099,0	5,0	1,0	0,0	0,0
3025	178,9	11,11	1099,0	5,0	1,0	0,0	0,0
3026	171,0	11,11	1099,0	5,0	1,0	0,0	0,0
3027	170,8	10,95	1083,0	5,0	1,0	0,0	0,0
3028	172,4	10,95	1083,0	5,0	1,0	0,0	0,0
3029	162,9	10,95	1083,0	5,0	1,0	0,0	0,0
3030	158,5	10,49	1042,0	4,0	0,0	0,0	0,0
3031	159,4	10,49	1042,0	4,0	0,0	0,0	0,0
3032	153,3	10,49	1042,0	4,0	0,0	0,0	0,0
3033	152,7	10,23	1013,0	4,0	1,0	0,0	0,0
3034	158,5	10,23	1013,0	4,0	1,0	0,0	0,0
3035	128,1	10,23	1013,0	4,0	1,0	0,0	0,0
3036	160,1	10,29	1016,0	4,0	2,0	0,0	0,0
3037	144,6	10,29	1016,0	4,0	2,0	0,0	0,0
3038	153,8	9,59	954,0	3,0	0,0	0,0	0,0
3039	136,2	9,59	954,0	3,0	0,0	0,0	0,0
3040	141,1	9,59	954,0	3,0	0,0	0,0	0,0
3041	139,4	10,34	1022,0	5,0	1,0	0,0	0,0
3042	137,9	10,34	1022,0	5,0	1,0	0,0	0,0
3043	178,5	10,66	1059,0	4,0	0,0	0,0	0,0
3044	150,7	10,66	1059,0	4,0	0,0	0,0	0,0
3045	161,1	10,36	1029,0	4,0	0,0	0,0	0,0
3046	154,7	10,09	999,0	4,0	1,0	0,0	0,0
3047	192,2	10,09	999,0	4,0	1,0	0,0	0,0
3048	205,3	10,09	999,0	4,0	1,0	0,0	0,0
3049	203,1	11,80	1175,0	3,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3050	208,4	11,80	1175,0	3,0	0,0	0,0	0,0
3051	190,2	11,80	1175,0	3,0	0,0	0,0	0,0
3052	194,8	11,68	1158,0	4,0	1,0	0,0	0,0
3053	255,8	11,68	1158,0	4,0	1,0	0,0	0,0
3054	169,4	11,68	1158,0	4,0	1,0	0,0	0,0
3055	170,4	10,23	1013,0	4,0	1,0	0,0	0,0
3056	179,9	10,23	1013,0	4,0	1,0	0,0	0,0
3057	186,0	10,23	1013,0	4,0	1,0	0,0	0,0
3058	170,7	10,23	1013,0	4,0	1,0	0,0	0,0
3059	158,8	10,52	1047,0	3,0	0,0	0,0	0,0
3060	166,6	10,52	1047,0	3,0	0,0	0,0	0,0
3061	177,6	10,52	1047,0	3,0	0,0	0,0	0,0
3062	168,5	10,20	1009,0	3,0	2,0	0,0	0,0
3063	181,7	10,20	1009,0	3,0	2,0	0,0	0,0
3064	147,6	10,20	1009,0	3,0	2,0	0,0	0,0
3065	156,3	11,25	1118,0	4,0	0,0	0,0	0,0
3066	97,1	11,32	1122,0	4,0	1,0	0,0	0,0
3067	138,6	10,27	1017,0	4,0	1,0	0,0	0,0
3068	121,6	10,27	1017,0	4,0	1,0	0,0	0,0
3069	145,8	10,27	1017,0	4,0	1,0	0,0	0,0
3070	149,4	11,11	1099,0	5,0	1,0	0,0	0,0
3071	161,3	11,11	1099,0	5,0	1,0	0,0	0,0
3072	159,3	11,11	1099,0	5,0	1,0	0,0	0,0
3073	158,5	10,95	1083,0	5,0	1,0	0,0	0,0
3074	144,5	10,95	1083,0	5,0	1,0	0,0	0,0
3075	142,4	5,30	520,0	4,0	1,0	0,0	0,0
3076	0,6	5,80	572,0	3,0	1,0	0,0	0,0
3077	156,9	7,78	770,0	3,0	1,0	0,0	0,0
3078	184,2	7,78	770,0	3,0	1,0	0,0	0,0
3079	196,9	8,61	853,0	3,0	1,0	0,0	0,0
3080	182,0	8,61	853,0	3,0	1,0	0,0	0,0
3081	228,9	8,61	853,0	3,0	1,0	0,0	0,0
3082	174,3	9,59	951,0	3,0	1,0	0,0	0,0
3083	233,7	9,59	951,0	3,0	1,0	0,0	0,0
3084	197,6	9,59	951,0	3,0	1,0	0,0	0,0
3085	201,6	10,28	1021,0	4,0	0,0	0,0	0,0
3086	170,1	10,28	1021,0	4,0	0,0	0,0	0,0
3087	214,8	10,28	1021,0	4,0	0,0	0,0	0,0
3088	204,8	10,01	993,0	3,0	1,0	0,0	0,0
3089	131,9	9,74	966,0	3,0	1,0	0,0	0,0
3090	131,6	9,74	966,0	3,0	1,0	0,0	0,0
3091	186,9	9,74	966,0	3,0	1,0	0,0	0,0
3092	214,7	9,82	972,0	4,0	1,0	0,0	0,0
3093	172,8	9,82	972,0	4,0	1,0	0,0	0,0
3094	119,1	8,92	885,0	4,0	0,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3095	141,4	8,92	885,0	4,0	0,0	0,0	0,0
3096	189,9	8,92	885,0	4,0	0,0	0,0	0,0
3097	173,4	9,56	949,0	4,0	0,0	0,0	0,0
3098	145,9	9,56	949,0	4,0	0,0	0,0	0,0
3099	205,2	9,56	949,0	4,0	0,0	0,0	0,0
3100	152,2	9,82	972,0	4,0	1,0	0,0	0,0
3101	158,2	9,82	972,0	4,0	1,0	0,0	0,0
3102	157,0	9,82	972,0	4,0	1,0	0,0	0,0
3103	183,3	9,75	970,0	3,0	0,0	0,0	0,0
3104	157,3	9,75	970,0	3,0	0,0	0,0	0,0
3105	152,5	10,64	1052,0	5,0	1,0	0,0	0,0
3106	83,6	10,64	1052,0	5,0	1,0	0,0	0,0
3107	159,3	10,13	1003,0	4,0	1,0	0,0	0,0
3108	128,1	10,13	1003,0	4,0	1,0	0,0	0,0
3109	187,9	10,13	1003,0	4,0	1,0	0,0	0,0
3110	131,5	10,13	1003,0	4,0	1,0	0,0	0,0
3111	221,7	9,85	975,0	4,0	1,0	0,0	0,0
3112	147,5	9,85	975,0	4,0	1,0	0,0	0,0
3113	140,6	9,36	928,0	3,0	1,0	0,0	0,0
3114	183,0	9,36	928,0	3,0	1,0	0,0	0,0
3115	150,7	9,36	928,0	3,0	1,0	0,0	0,0
3116	170,1	10,21	1008,0	4,0	2,0	0,0	0,0
3117	89,4	10,21	1008,0	4,0	2,0	0,0	0,0
3118	165,2	10,28	1023,0	3,0	0,0	0,0	0,0
3119	176,7	10,28	1023,0	3,0	0,0	0,0	0,0
3120	175,8	10,28	1023,0	3,0	0,0	0,0	0,0
3121	167,4	10,28	1023,0	3,0	0,0	0,0	0,0
3122	163,4	10,26	1016,0	4,0	1,0	0,0	0,0
3123	176,8	10,26	1016,0	4,0	1,0	0,0	0,0
3124	153,3	10,26	1016,0	4,0	1,0	0,0	0,0
3125	141,9	10,23	1015,0	3,0	1,0	0,0	0,0
3126	171,8	10,23	1015,0	3,0	1,0	0,0	0,0
3127	164,1	11,00	1090,0	4,0	1,0	0,0	0,0
3128	172,1	11,00	1090,0	4,0	1,0	0,0	0,0
3129	200,3	11,00	1090,0	4,0	1,0	0,0	0,0
3130	176,0	11,00	1090,0	4,0	1,0	0,0	0,0
3131	162,5	10,63	1053,0	4,0	1,0	0,0	0,0
3132	171,9	10,63	1053,0	4,0	1,0	0,0	0,0
3133	191,5	10,58	1048,0	4,0	1,0	0,0	0,0
3134	204,5	10,58	1048,0	4,0	1,0	0,0	0,0
3135	167,1	10,58	1048,0	4,0	1,0	0,0	0,0
3136	151,7	10,85	1075,0	4,0	1,0	0,0	0,0
3137	101,6	11,13	1103,0	4,0	1,0	0,0	0,0
3138	152,4	11,92	1182,0	4,0	1,0	0,0	0,0
3139	214,8	11,92	1182,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3140	144,0	11,92	1182,0	4,0	1,0	0,0	0,0
3141	196,1	12,12	1202,0	4,0	1,0	0,0	0,0
3142	169,3	12,35	1223,0	5,0	1,0	0,0	0,0
3143	152,6	12,35	1223,0	5,0	1,0	0,0	0,0
3144	172,2	10,56	1046,0	4,0	1,0	0,0	0,0
3145	181,3	10,56	1046,0	4,0	1,0	0,0	0,0
3146	184,2	10,56	1046,0	4,0	1,0	0,0	0,0
3147	197,3	10,00	990,0	4,0	1,0	0,0	0,0
3148	186,0	9,45	935,0	4,0	1,0	0,0	0,0
3149	194,0	9,45	935,0	4,0	1,0	0,0	0,0
3150	174,9	10,53	1048,0	3,0	0,0	0,0	0,0
3151	172,1	10,53	1048,0	3,0	0,0	0,0	0,0
3152	183,6	10,53	1048,0	3,0	0,0	0,0	0,0
3153	149,1	10,58	1048,0	4,0	1,0	0,0	0,0
3154	151,1	10,58	1048,0	4,0	1,0	0,0	0,0
3155	166,5	10,58	1048,0	4,0	1,0	0,0	0,0
3156	153,8	12,22	1210,0	5,0	1,0	0,0	0,0
3157	168,5	12,22	1210,0	5,0	1,0	0,0	0,0
3158	204,3	12,22	1210,0	5,0	1,0	0,0	0,0
3159	173,4	10,76	1067,0	5,0	0,0	0,0	0,0
3160	171,5	10,76	1067,0	5,0	0,0	0,0	0,0
3161	217,7	10,76	1067,0	5,0	0,0	0,0	0,0
3162	152,8	10,65	1055,0	4,0	1,0	0,0	0,0
3163	173,9	10,65	1055,0	4,0	1,0	0,0	0,0
3164	172,3	10,65	1055,0	4,0	1,0	0,0	0,0
3165	172,0	10,40	1030,0	4,0	1,0	0,0	0,0
3166	153,1	10,40	1030,0	4,0	1,0	0,0	0,0
3167	181,1	12,92	1278,0	6,0	1,0	0,0	0,0
3168	157,5	10,28	1016,0	5,0	1,0	0,0	0,0
3169	178,1	16,28	1613,0	7,0	1,0	0,0	0,0
3170	176,0	13,58	1344,0	6,0	1,0	0,0	0,0
3171	173,1	10,88	1074,0	6,0	1,0	0,0	0,0
3172	152,0	9,97	985,0	5,0	1,0	0,0	0,0
3173	113,1	8,85	875,0	4,0	1,0	0,0	0,0
3174	100,0	4,72	468,0	2,0	0,0	0,0	0,0
3175	96,8	4,72	468,0	2,0	0,0	0,0	0,0
3176	100,0	5,62	554,0	3,0	1,0	0,0	0,0
3177	93,7	5,62	554,0	3,0	1,0	0,0	0,0
3178	90,8	5,35	529,0	2,0	1,0	0,0	0,0
3179	104,1	5,96	590,0	2,0	1,0	0,0	0,0
3180	96,8	6,65	658,3	2,8	0,8	0,0	0,0
3181	96,2	6,66	658,0	3,0	1,0	0,0	0,0
3182	88,8	7,12	707,0	3,0	0,0	0,0	0,0
3183	86,9	7,12	707,0	3,0	0,0	0,0	0,0
3184	74,2	8,82	872,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3185	68,9	11,54	1142,0	5,0	1,0	0,0	0,0
3186	68,1	7,84	774,0	4,0	1,0	0,0	0,0
3187	47,1	8,03	795,0	3,0	1,0	0,0	0,0
3188	110,3	8,03	795,0	3,0	1,0	0,0	0,0
3189	118,9	7,98	790,0	3,0	1,0	0,0	0,0
3190	108,3	7,98	790,0	3,0	1,0	0,0	0,0
3191	91,3	8,19	809,0	4,0	1,0	0,0	0,0
3192	80,1	7,81	769,0	5,0	1,0	0,0	0,0
3193	100,0	7,81	769,0	5,0	1,0	0,0	0,0
3194	113,4	8,65	855,0	4,0	1,0	0,0	0,0
3195	120,7	8,65	855,0	4,0	1,0	0,0	0,0
3196	122,9	8,15	808,0	4,0	0,0	0,0	0,0
3197	101,3	8,15	808,0	4,0	0,0	0,0	0,0
3198	110,1	9,76	969,0	4,0	0,0	0,0	0,0
3199	80,6	10,58	1048,0	4,0	1,0	0,0	0,0
3200	96,0	10,58	1048,0	4,0	1,0	0,0	0,0
3201	70,4	11,86	1174,0	5,0	1,0	0,0	0,0
3202	76,6	11,97	1184,0	4,0	2,0	0,0	0,0
3203	92,0	11,97	1184,0	4,0	2,0	0,0	0,0
3204	108,5	10,69	1057,0	5,0	1,0	0,0	0,0
3205	80,4	10,69	1057,0	5,0	1,0	0,0	0,0
3206	94,1	10,38	1026,0	5,0	1,0	0,0	0,0
3207	85,4	10,68	1061,0	4,0	0,0	0,0	0,0
3208	102,6	10,68	1061,0	4,0	0,0	0,0	0,0
3209	100,8	9,21	911,0	4,0	1,0	0,0	0,0
3210	102,6	9,11	901,0	4,0	1,0	0,0	0,0
3211	113,2	8,99	892,0	4,0	0,0	0,0	0,0
3212	73,1	8,41	831,0	4,0	1,0	0,0	0,0
3213	94,1	8,41	831,0	4,0	1,0	0,0	0,0
3214	111,3	8,38	828,0	4,0	1,0	0,0	0,0
3215	120,8	8,38	828,0	4,0	1,0	0,0	0,0
3216	122,4	7,63	758,0	3,0	0,0	0,0	0,0
3217	111,2	7,63	758,0	3,0	0,0	0,0	0,0
3218	125,2	8,61	851,0	4,0	1,0	0,0	0,0
3219	119,0	8,61	851,0	4,0	1,0	0,0	0,0
3220	115,7	9,48	940,0	3,0	1,0	0,0	0,0
3221	130,9	9,48	940,0	3,0	1,0	0,0	0,0
3222	129,3	10,02	994,0	3,0	1,0	0,0	0,0
3223	115,8	10,02	994,0	3,0	1,0	0,0	0,0
3224	140,1	10,10	1002,0	3,0	1,0	0,0	0,0
3225	108,4	10,20	1010,0	4,0	1,0	0,0	0,0
3226	129,6	10,20	1010,0	4,0	1,0	0,0	0,0
3227	125,9	10,22	1014,0	3,0	1,0	0,0	0,0
3228	115,1	10,22	1014,0	3,0	1,0	0,0	0,0
3229	110,0	10,61	1048,0	4,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3230	137,3	10,61	1048,0	4,0	2,0	0,0	0,0
3231	129,1	10,43	1033,0	4,0	1,0	0,0	0,0
3232	107,2	10,43	1033,0	4,0	1,0	0,0	0,0
3233	123,0	10,42	1030,0	5,0	1,0	0,0	0,0
3234	122,4	10,42	1030,0	5,0	1,0	0,0	0,0
3235	120,4	9,49	939,0	4,0	1,0	0,0	0,0
3236	109,0	10,30	1020,0	4,0	1,0	0,0	0,0
3237	115,6	11,13	1101,0	5,0	1,0	0,0	0,0
3238	103,7	11,13	1101,0	5,0	1,0	0,0	0,0
3239	124,2	12,78	1266,0	5,0	1,0	0,0	0,0
3240	126,5	12,78	1266,0	5,0	1,0	0,0	0,0
3241	166,6	12,78	1266,0	5,0	1,0	0,0	0,0
3242	176,7	10,37	1028,0	5,0	0,0	0,0	0,0
3243	121,4	10,37	1028,0	5,0	0,0	0,0	0,0
3244	145,6	10,39	1032,0	4,0	0,0	0,0	0,0
3245	154,3	10,39	1032,0	4,0	0,0	0,0	0,0
3246	114,7	10,73	1063,0	4,0	1,0	0,0	0,0
3247	122,2	10,73	1063,0	4,0	1,0	0,0	0,0
3248	131,6	10,73	1063,0	4,0	1,0	0,0	0,0
3249	115,7	11,83	1171,0	5,0	1,0	0,0	0,0
3250	107,0	12,69	1257,0	5,0	1,0	0,0	0,0
3251	121,1	12,69	1257,0	5,0	1,0	0,0	0,0
3252	112,1	11,97	1184,0	4,0	2,0	0,0	0,0
3253	125,9	11,97	1184,0	4,0	2,0	0,0	0,0
3254	126,0	10,69	1057,0	5,0	1,0	0,0	0,0
3255	122,5	10,69	1057,0	5,0	1,0	0,0	0,0
3256	107,1	10,38	1026,0	5,0	1,0	0,0	0,0
3257	127,9	10,68	1061,0	4,0	0,0	0,0	0,0
3258	109,1	10,08	1000,0	3,0	1,0	0,0	0,0
3259	134,6	10,18	1010,0	3,0	1,0	0,0	0,0
3260	145,9	9,95	989,0	2,0	1,0	0,0	0,0
3261	87,5	12,48	1232,0	6,0	2,0	0,0	0,0
3262	181,7	12,48	1232,0	6,0	2,0	0,0	0,0
3263	137,5	14,24	1404,0	8,0	2,0	0,0	0,0
3264	160,7	16,88	1671,0	8,0	1,0	0,0	0,0
3265	129,3	16,88	1671,0	8,0	1,0	0,0	0,0
3266	135,1	7,65	757,0	3,0	1,0	0,0	0,0
3267	80,0	7,65	757,0	3,0	1,0	0,0	0,0
3268	83,7	7,65	757,0	3,0	1,0	0,0	0,0
3269	80,8	7,65	757,0	3,0	1,0	0,0	0,0
3270	104,0	6,68	660,0	3,0	1,0	0,0	0,0
3271	91,6	6,68	660,0	3,0	1,0	0,0	0,0
3272	96,4	7,90	782,0	3,0	1,0	0,0	0,0
3273	66,5	7,90	782,0	3,0	1,0	0,0	0,0
3274	130,0	8,54	846,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3275	113,6	8,54	846,0	3,0	1,0	0,0	0,0
3276	102,0	8,54	846,0	3,0	1,0	0,0	0,0
3277	129,1	8,54	846,0	3,0	1,0	0,0	0,0
3278	117,9	9,57	947,0	4,0	1,0	0,0	0,0
3279	118,6	9,57	947,0	4,0	1,0	0,0	0,0
3280	79,1	10,52	1042,0	4,0	1,0	0,0	0,0
3281	108,7	10,52	1042,0	4,0	1,0	0,0	0,0
3282	103,4	10,52	1042,0	4,0	1,0	0,0	0,0
3283	99,1	10,52	1042,0	4,0	1,0	0,0	0,0
3284	131,0	10,52	1042,0	4,0	1,0	0,0	0,0
3285	113,2	10,52	1042,0	4,0	1,0	0,0	0,0
3286	128,0	10,52	1042,0	4,0	1,0	0,0	0,0
3287	115,4	10,52	1042,0	4,0	1,0	0,0	0,0
3288	109,8	10,52	1042,0	4,0	1,0	0,0	0,0
3289	140,7	10,52	1042,0	4,0	1,0	0,0	0,0
3290	111,3	10,52	1042,0	4,0	1,0	0,0	0,0
3291	125,5	10,52	1042,0	4,0	1,0	0,0	0,0
3292	138,1	10,52	1042,0	4,0	1,0	0,0	0,0
3293	138,1	10,52	1042,0	4,0	1,0	0,0	0,0
3294	145,4	9,62	952,0	4,0	1,0	0,0	0,0
3295	122,3	9,62	952,0	4,0	1,0	0,0	0,0
3296	122,7	10,69	1059,0	4,0	1,0	0,0	0,0
3297	108,4	10,69	1059,0	4,0	1,0	0,0	0,0
3298	120,2	9,97	987,0	4,0	1,0	0,0	0,0
3299	122,1	9,97	987,0	4,0	1,0	0,0	0,0
3300	120,2	9,61	947,0	5,0	2,0	0,0	0,0
3301	83,4	9,57	949,0	3,0	1,0	0,0	0,0
3302	73,1	9,57	949,0	3,0	1,0	0,0	0,0
3303	79,0	9,94	984,0	4,0	1,0	0,0	0,0
3304	86,9	9,83	970,0	4,0	2,0	0,0	0,0
3305	97,0	9,83	970,0	4,0	2,0	0,0	0,0
3306	105,5	9,83	970,0	4,0	2,0	0,0	0,0
3307	98,5	10,64	1054,0	4,0	1,0	0,0	0,0
3308	104,1	10,43	1031,0	5,0	1,0	0,0	0,0
3309	124,9	10,43	1031,0	5,0	1,0	0,0	0,0
3310	106,4	10,03	993,0	4,0	1,0	0,0	0,0
3311	120,9	10,03	993,0	4,0	1,0	0,0	0,0
3312	126,5	11,29	1116,0	4,0	2,0	0,0	0,0
3313	109,0	11,29	1116,0	4,0	2,0	0,0	0,0
3314	128,9	11,83	1169,0	5,0	2,0	0,0	0,0
3315	115,8	11,83	1169,0	5,0	2,0	0,0	0,0
3316	108,6	12,60	1244,0	6,0	2,0	0,0	0,0
3317	103,3	12,60	1244,0	6,0	2,0	0,0	0,0
3318	102,6	12,40	1224,0	6,0	2,0	0,0	0,0
3319	100,3	12,40	1224,0	6,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3320	116,4	12,46	1236,0	4,0	1,0	0,0	0,0
3321	109,0	12,46	1236,0	4,0	1,0	0,0	0,0
3322	120,0	11,65	1158,0	4,0	0,0	0,0	0,0
3323	113,3	11,65	1158,0	4,0	0,0	0,0	0,0
3324	118,0	12,64	1248,0	6,0	2,0	0,0	0,0
3325	123,0	12,64	1248,0	6,0	2,0	0,0	0,0
3326	106,7	12,41	1227,0	5,0	2,0	0,0	0,0
3327	117,4	12,41	1227,0	5,0	2,0	0,0	0,0
3328	109,8	12,24	1210,0	5,0	2,0	0,0	0,0
3329	112,0	12,24	1210,0	5,0	2,0	0,0	0,0
3330	104,1	9,94	984,0	4,0	1,0	0,0	0,0
3331	114,6	9,94	984,0	4,0	1,0	0,0	0,0
3332	120,8	10,70	1060,0	4,0	1,0	0,0	0,0
3333	119,9	10,70	1060,0	4,0	1,0	0,0	0,0
3334	143,6	9,63	953,0	4,0	1,0	0,0	0,0
3335	134,6	9,63	953,0	4,0	1,0	0,0	0,0
3336	132,5	9,87	974,0	4,0	2,0	0,0	0,0
3337	112,3	9,87	974,0	4,0	2,0	0,0	0,0
3338	118,9	7,74	766,0	3,0	1,0	0,0	0,0
3339	119,0	7,74	766,0	3,0	1,0	0,0	0,0
3340	130,4	7,74	766,0	3,0	1,0	0,0	0,0
3341	135,2	6,46	635,0	3,0	2,0	0,0	0,0
3342	117,6	6,46	635,0	3,0	2,0	0,0	0,0
3343	124,6	6,60	652,0	3,0	1,0	0,0	0,0
3344	132,8	6,60	652,0	3,0	1,0	0,0	0,0
3345	124,0	6,53	645,0	3,0	1,0	0,0	0,0
3346	130,9	6,53	645,0	3,0	1,0	0,0	0,0
3347	117,9	9,42	932,0	4,0	1,0	0,0	0,0
3348	123,0	9,42	932,0	4,0	1,0	0,0	0,0
3349	123,5	6,95	687,0	3,0	1,0	0,0	0,0
3350	127,2	6,95	687,0	3,0	1,0	0,0	0,0
3351	120,7	6,47	639,0	3,0	1,0	0,0	0,0
3352	113,0	6,47	639,0	3,0	1,0	0,0	0,0
3353	113,0	10,01	991,0	4,0	1,0	0,0	0,0
3354	116,9	10,01	991,0	4,0	1,0	0,0	0,0
3355	112,1	13,28	1314,0	6,0	1,0	0,0	0,0
3356	117,8	13,28	1314,0	6,0	1,0	0,0	0,0
3357	107,2	11,92	1182,0	4,0	1,0	0,0	0,0
3358	105,4	12,12	1202,0	4,0	1,0	0,0	0,0
3359	117,5	12,35	1223,0	5,0	1,0	0,0	0,0
3360	114,6	12,35	1223,0	5,0	1,0	0,0	0,0
3361	121,9	8,24	814,0	4,0	1,0	0,0	0,0
3362	125,8	6,09	601,0	3,0	1,0	0,0	0,0
3363	98,0	5,78	572,0	2,0	1,0	0,0	0,0
3364	101,5	5,78	572,0	2,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3365	92,2	6,85	677,0	3,0	1,0	0,0	0,0
3366	113,4	6,85	677,0	3,0	1,0	0,0	0,0
3367	115,9	7,78	768,0	4,0	1,0	0,0	0,0
3368	108,6	8,68	858,0	4,0	1,0	0,0	0,0
3369	105,3	8,68	858,0	4,0	1,0	0,0	0,0
3370	106,4	8,68	858,0	4,0	1,0	0,0	0,0
3371	119,6	8,98	890,0	3,0	1,0	0,0	0,0
3372	119,4	9,22	910,0	5,0	1,0	0,0	0,0
3373	101,4	9,22	910,0	5,0	1,0	0,0	0,0
3374	113,8	9,62	952,0	4,0	1,0	0,0	0,0
3375	112,0	9,62	952,0	4,0	1,0	0,0	0,0
3376	127,2	7,38	730,0	3,0	1,0	0,0	0,0
3377	79,6	7,38	730,0	3,0	1,0	0,0	0,0
3378	105,7	6,91	681,0	4,0	1,0	0,0	0,0
3379	120,7	7,93	783,0	4,0	1,0	0,0	0,0
3380	110,5	7,93	783,0	4,0	1,0	0,0	0,0
3381	113,3	7,93	783,0	4,0	1,0	0,0	0,0
3382	119,5	6,67	659,0	3,0	1,0	0,0	0,0
3383	107,4	8,25	815,0	4,0	1,0	0,0	0,0
3384	108,9	8,25	815,0	4,0	1,0	0,0	0,0
3385	116,4	8,25	815,0	4,0	1,0	0,0	0,0
3386	108,6	7,22	712,0	4,0	1,0	0,0	0,0
3387	112,7	9,31	918,0	4,0	2,0	0,0	0,0
3388	116,1	9,31	918,0	4,0	2,0	0,0	0,0
3389	107,3	9,31	918,0	4,0	2,0	0,0	0,0
3390	118,7	10,13	1000,0	4,0	2,0	0,0	0,0
3391	107,4	12,20	1206,0	5,0	2,0	0,0	0,0
3392	108,5	12,20	1206,0	5,0	2,0	0,0	0,0
3393	111,5	12,88	1274,0	6,0	1,0	0,0	0,0
3394	117,1	12,88	1274,0	6,0	1,0	0,0	0,0
3395	120,5	12,88	1274,0	6,0	1,0	0,0	0,0
3396	127,0	11,96	1182,0	6,0	1,0	0,0	0,0
3397	111,7	11,96	1182,0	6,0	1,0	0,0	0,0
3398	107,4	9,70	958,0	5,0	1,0	0,0	0,0
3399	117,8	8,24	814,0	4,0	1,0	0,0	0,0
3400	105,0	6,09	601,0	3,0	1,0	0,0	0,0
3401	123,3	5,78	572,0	2,0	1,0	0,0	0,0
3402	121,4	5,78	572,0	2,0	1,0	0,0	0,0
3403	113,8	6,85	677,0	3,0	1,0	0,0	0,0
3404	140,9	6,85	677,0	3,0	1,0	0,0	0,0
3405	125,7	7,78	768,0	4,0	1,0	0,0	0,0
3406	131,7	8,68	858,0	4,0	1,0	0,0	0,0
3407	121,5	8,68	858,0	4,0	1,0	0,0	0,0
3408	150,0	8,68	858,0	4,0	1,0	0,0	0,0
3409	102,9	8,57	847,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3410	131,8	11,35	1121,0	6,0	1,0	0,0	0,0
3411	114,9	11,35	1121,0	6,0	1,0	0,0	0,0
3412	130,7	11,30	1116,0	6,0	1,0	0,0	0,0
3413	108,7	11,30	1116,0	6,0	1,0	0,0	0,0
3414	121,4	13,36	1321,0	7,0	1,0	0,0	0,0
3415	117,6	13,36	1321,0	7,0	1,0	0,0	0,0
3416	130,1	11,96	1182,0	6,0	1,0	0,0	0,0
3417	126,9	11,96	1182,0	6,0	1,0	0,0	0,0
3418	121,0	6,57	647,0	4,0	1,0	0,0	0,0
3419	127,1	6,57	647,0	4,0	1,0	0,0	0,0
3420	138,5	6,57	647,0	4,0	1,0	0,0	0,0
3421	109,3	6,32	622,0	4,0	1,0	0,0	0,0
3422	110,0	6,32	622,0	4,0	1,0	0,0	0,0
3423	131,3	7,01	693,0	3,0	1,0	0,0	0,0
3424	129,9	7,01	693,0	3,0	1,0	0,0	0,0
3425	124,9	12,64	1248,0	6,0	2,0	0,0	0,0
3426	123,9	12,64	1248,0	6,0	2,0	0,0	0,0
3427	128,1	11,88	1174,0	6,0	1,0	0,0	0,0
3428	134,2	11,88	1174,0	6,0	1,0	0,0	0,0
3429	121,6	11,01	1087,0	5,0	2,0	0,0	0,0
3430	132,6	11,01	1087,0	5,0	2,0	0,0	0,0
3431	134,4	11,01	1087,0	5,0	2,0	0,0	0,0
3432	92,8	15,20	1506,0	6,0	1,0	0,0	0,0
3433	113,1	15,20	1506,0	6,0	1,0	0,0	0,0
3434	125,5	16,08	1592,0	6,0	2,0	0,0	0,0
3435	120,4	16,08	1592,0	6,0	2,0	0,0	0,0
3436	138,7	20,57	2037,0	8,0	2,0	0,0	0,0
3437	122,1	20,57	2037,0	8,0	2,0	0,0	0,0
3438	131,0	18,46	1829,0	8,0	1,0	0,0	0,0
3439	116,7	18,46	1829,0	8,0	1,0	0,0	0,0
3440	116,9	18,44	1827,0	8,0	1,0	0,0	0,0
3441	123,9	18,44	1827,0	8,0	1,0	0,0	0,0
3442	123,3	19,31	1911,0	8,0	2,0	0,0	0,0
3443	112,8	18,09	1789,0	8,0	2,0	0,0	0,0
3444	115,9	18,09	1789,0	8,0	2,0	0,0	0,0
3445	136,9	8,68	858,0	4,0	1,0	0,0	0,0
3446	121,3	8,68	858,0	4,0	1,0	0,0	0,0
3447	114,1	8,68	858,0	4,0	1,0	0,0	0,0
3448	120,5	8,57	847,0	4,0	1,0	0,0	0,0
3449	120,4	11,35	1121,0	6,0	1,0	0,0	0,0
3450	126,5	7,62	752,0	4,0	1,0	0,0	0,0
3451	124,7	7,83	773,0	4,0	1,0	0,0	0,0
3452	127,3	6,57	647,0	4,0	1,0	0,0	0,0
3453	110,8	6,57	647,0	4,0	1,0	0,0	0,0
3454	127,5	12,88	1270,0	7,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3455	128,7	11,38	1120,0	7,0	2,0	0,0	0,0
3456	124,6	9,85	969,0	6,0	2,0	0,0	0,0
3457	75,0	7,63	756,0	4,0	0,0	0,0	0,0
3458	84,2	7,63	756,0	4,0	0,0	0,0	0,0
3459	97,0	6,55	645,0	4,0	1,0	0,0	0,0
3460	109,7	6,55	645,0	4,0	1,0	0,0	0,0
3461	107,5	8,22	810,0	5,0	1,0	0,0	0,0
3462	109,4	8,22	810,0	5,0	1,0	0,0	0,0
3463	84,1	9,00	888,0	5,0	1,0	0,0	0,0
3464	111,4	9,00	888,0	5,0	1,0	0,0	0,0
3465	94,0	9,04	892,0	5,0	1,0	0,0	0,0
3466	125,4	9,04	892,0	5,0	1,0	0,0	0,0
3467	105,3	10,25	1011,0	6,0	1,0	0,0	0,0
3468	113,1	10,25	1011,0	6,0	1,0	0,0	0,0
3469	103,3	11,23	1107,0	6,0	2,0	0,0	0,0
3470	115,7	9,69	957,0	5,0	1,0	0,0	0,0
3471	116,1	9,69	957,0	5,0	1,0	0,0	0,0
3472	113,6	9,69	957,0	5,0	1,0	0,0	0,0
3473	113,5	11,11	1097,0	6,0	1,0	0,0	0,0
3474	113,6	11,11	1097,0	6,0	1,0	0,0	0,0
3475	111,4	11,11	1097,0	6,0	1,0	0,0	0,0
3476	117,9	11,11	1097,0	6,0	1,0	0,0	0,0
3477	107,1	10,28	1010,0	7,0	2,0	0,0	0,0
3478	104,3	7,36	724,0	5,0	1,0	0,0	0,0
3479	122,0	7,24	714,0	4,0	1,0	0,0	0,0
3480	111,1	7,24	714,0	4,0	1,0	0,0	0,0
3481	110,1	7,60	748,0	5,0	1,0	0,0	0,0
3482	119,0	7,60	748,0	5,0	1,0	0,0	0,0
3483	118,9	8,91	877,0	6,0	1,0	0,0	0,0
3484	112,5	8,91	877,0	6,0	1,0	0,0	0,0
3485	102,5	10,40	1024,0	6,0	2,0	0,0	0,0
3486	121,4	10,40	1024,0	6,0	2,0	0,0	0,0
3487	121,7	10,40	1024,0	6,0	2,0	0,0	0,0
3488	117,8	11,08	1094,0	5,0	2,0	0,0	0,0
3489	118,6	12,22	1204,0	7,0	2,0	0,0	0,0
3490	119,8	12,22	1204,0	7,0	2,0	0,0	0,0
3491	97,4	11,68	1150,0	7,0	2,0	0,0	0,0
3492	122,5	11,68	1150,0	7,0	2,0	0,0	0,0
3493	139,8	14,45	1425,0	8,0	2,0	0,0	0,0
3494	109,2	14,45	1425,0	8,0	2,0	0,0	0,0
3495	132,9	13,53	1338,0	7,0	1,0	0,0	0,0
3496	117,8	13,53	1338,0	7,0	1,0	0,0	0,0
3497	94,8	13,53	1338,0	7,0	1,0	0,0	0,0
3498	123,2	15,13	1496,0	8,0	1,0	0,0	0,0
3499	130,4	16,17	1596,0	10,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3500	129,4	16,17	1596,0	10,0	1,0	0,0	0,0
3501	111,9	10,42	1026,0	6,0	2,0	0,0	0,0
3502	122,5	10,42	1026,0	6,0	2,0	0,0	0,0
3503	124,1	10,42	1026,0	6,0	2,0	0,0	0,0
3504	117,9	9,37	923,0	6,0	1,0	0,0	0,0
3505	142,8	9,37	923,0	6,0	1,0	0,0	0,0
3506	131,9	9,37	923,0	6,0	1,0	0,0	0,0
3507	119,6	10,59	1047,0	5,0	1,0	0,0	0,0
3508	128,3	8,93	881,0	5,0	1,0	0,0	0,0
3509	129,1	8,93	881,0	5,0	1,0	0,0	0,0
3510	141,2	5,66	558,0	3,0	1,0	0,0	0,0
3511	130,5	5,66	558,0	3,0	1,0	0,0	0,0
3512	133,6	5,66	558,0	3,0	1,0	0,0	0,0
3513	122,7	5,39	529,0	4,0	1,0	0,0	0,0
3514	122,9	5,39	529,0	4,0	1,0	0,0	0,0
3515	132,2	6,65	655,0	4,0	1,0	0,0	0,0
3516	147,9	6,65	655,0	4,0	1,0	0,0	0,0
3517	116,4	5,91	581,0	4,0	1,0	0,0	0,0
3518	110,7	5,91	581,0	4,0	1,0	0,0	0,0
3519	97,7	7,22	710,0	5,0	1,0	0,0	0,0
3520	150,3	7,22	710,0	5,0	1,0	0,0	0,0
3521	136,3	14,51	1431,0	8,0	2,0	0,0	0,0
3522	121,0	14,51	1431,0	8,0	2,0	0,0	0,0
3523	135,5	7,48	736,0	5,0	1,0	0,0	0,0
3524	148,4	7,48	736,0	5,0	1,0	0,0	0,0
3525	108,6	9,97	987,0	4,0	1,0	0,0	0,0
3526	122,6	9,97	987,0	4,0	1,0	0,0	0,0
3527	124,6	9,59	947,0	5,0	1,0	0,0	0,0
3528	129,1	9,57	949,0	3,0	1,0	0,0	0,0
3529	132,9	9,57	949,0	3,0	1,0	0,0	0,0
3530	140,2	9,94	984,0	4,0	1,0	0,0	0,0
3531	122,7	9,80	970,0	4,0	1,0	0,0	0,0
3532	122,5	9,80	970,0	4,0	1,0	0,0	0,0
3533	113,9	9,77	970,0	4,0	0,0	0,0	0,0
3534	146,0	10,61	1054,0	4,0	0,0	0,0	0,0
3535	140,8	10,45	1031,0	5,0	2,0	0,0	0,0
3536	136,4	10,45	1031,0	5,0	2,0	0,0	0,0
3537	154,4	10,03	993,0	4,0	1,0	0,0	0,0
3538	135,0	10,03	993,0	4,0	1,0	0,0	0,0
3539	132,1	9,97	987,0	4,0	1,0	0,0	0,0
3540	120,3	9,97	987,0	4,0	1,0	0,0	0,0
3541	115,9	9,61	947,0	5,0	2,0	0,0	0,0
3542	97,8	9,57	949,0	3,0	1,0	0,0	0,0
3543	120,9	9,57	949,0	3,0	1,0	0,0	0,0
3544	127,9	9,94	984,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3545	126,3	9,83	970,0	4,0	2,0	0,0	0,0
3546	120,2	9,83	970,0	4,0	2,0	0,0	0,0
3547	109,3	9,83	970,0	4,0	2,0	0,0	0,0
3548	126,5	10,67	1054,0	4,0	2,0	0,0	0,0
3549	96,0	10,40	1031,0	5,0	1,0	0,0	0,0
3550	136,2	10,25	1015,0	5,0	1,0	0,0	0,0
3551	197,5	7,54	740,0	6,0	1,0	0,0	0,0
3552	65,3	6,59	650,0	5,0	0,0	0,0	0,0
3553	67,7	6,54	645,0	5,0	0,0	0,0	0,0
3554	103,8	5,20	508,0	5,0	1,0	0,0	0,0
3555	47,9	5,20	508,0	5,0	1,0	0,0	0,0
3556	53,0	5,03	493,0	4,0	1,0	0,0	0,0
3557	60,6	5,01	493,0	3,0	1,0	0,0	0,0
3558	71,5	5,38	526,0	5,0	1,0	0,0	0,0
3559	88,2	5,40	526,0	5,0	2,0	0,0	0,0
3560	77,2	5,40	526,0	5,0	2,0	0,0	0,0
3561	52,0	4,97	483,0	5,0	2,0	0,0	0,0
3562	58,1	4,96	483,0	4,0	2,0	0,0	0,0
3563	47,7	5,51	537,0	5,0	2,0	0,0	0,0
3564	65,9	5,51	537,0	5,0	2,0	0,0	0,0
3565	62,8	5,36	526,0	4,0	1,0	0,0	0,0
3566	66,7	5,30	516,0	6,0	1,0	0,0	0,0
3567	56,6	5,30	516,0	6,0	1,0	0,0	0,0
3568	75,3	4,95	483,0	5,0	1,0	0,0	0,0
3569	74,5	5,18	504,0	6,0	1,0	0,0	0,0
3570	63,7	5,41	527,0	6,0	1,0	0,0	0,0
3571	62,0	5,41	527,0	6,0	1,0	0,0	0,0
3572	54,3	5,87	573,0	5,0	2,0	0,0	0,0
3573	72,8	6,82	666,0	6,0	2,0	0,0	0,0
3574	67,8	5,87	571,0	6,0	2,0	0,0	0,0
3575	71,9	4,93	483,0	4,0	1,0	0,0	0,0
3576	84,1	4,93	483,0	4,0	1,0	0,0	0,0
3577	76,6	3,83	369,0	5,0	2,0	0,0	0,0
3578	76,4	4,84	470,0	5,0	2,0	0,0	0,0
3579	78,7	5,29	515,0	5,0	2,0	0,0	0,0
3580	92,3	5,46	532,0	5,0	2,0	0,0	0,0
3581	117,9	5,46	532,0	5,0	2,0	0,0	0,0
3582	86,9	5,46	532,0	5,0	2,0	0,0	0,0
3583	106,3	6,16	600,0	6,0	2,0	0,0	0,0
3584	106,2	6,19	603,0	6,0	2,0	0,0	0,0
3585	104,5	6,19	603,0	6,0	2,0	0,0	0,0
3586	83,7	6,19	603,0	6,0	2,0	0,0	0,0
3587	98,2	6,18	602,0	6,0	2,0	0,0	0,0
3588	107,5	6,32	616,0	6,0	2,0	0,0	0,0
3589	108,1	6,30	616,0	5,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3590	112,1	7,40	724,0	6,0	2,0	0,0	0,0
3591	101,4	7,40	724,0	6,0	2,0	0,0	0,0
3592	97,8	7,78	761,0	8,0	1,0	0,0	0,0
3593	105,7	7,78	761,0	8,0	1,0	0,0	0,0
3594	107,0	7,03	689,0	6,0	1,0	0,0	0,0
3595	110,5	6,66	650,0	6,0	2,0	0,0	0,0
3596	114,0	6,66	650,0	6,0	2,0	0,0	0,0
3597	95,8	6,66	650,0	6,0	2,0	0,0	0,0
3598	106,7	7,59	744,0	7,0	1,0	0,0	0,0
3599	111,5	7,75	755,0	8,0	2,0	0,0	0,0
3600	105,5	7,75	755,0	8,0	2,0	0,0	0,0
3601	103,0	7,27	711,0	6,0	2,0	0,0	0,0
3602	104,5	7,27	711,0	6,0	2,0	0,0	0,0
3603	106,7	6,92	674,0	7,0	2,0	0,0	0,0
3604	113,5	6,92	674,0	7,0	2,0	0,0	0,0
3605	100,5	6,74	656,0	7,0	2,0	0,0	0,0
3606	99,3	6,97	681,0	6,0	2,0	0,0	0,0
3607	96,2	6,97	681,0	6,0	2,0	0,0	0,0
3608	89,7	7,08	690,0	7,0	2,0	0,0	0,0
3609	100,8	7,08	690,0	7,0	2,0	0,0	0,0
3610	111,9	6,87	669,0	7,0	2,0	0,0	0,0
3611	90,2	6,87	669,0	7,0	2,0	0,0	0,0
3612	90,5	7,07	688,0	6,0	3,0	0,0	0,0
3613	86,5	7,07	688,0	6,0	3,0	0,0	0,0
3614	93,0	7,67	747,0	8,0	2,0	0,0	0,0
3615	100,6	7,67	747,0	8,0	2,0	0,0	0,0
3616	127,5	7,20	704,0	6,0	2,0	0,0	0,0
3617	106,6	7,20	704,0	6,0	2,0	0,0	0,0
3618	108,6	7,23	707,0	6,0	2,0	0,0	0,0
3619	122,4	7,23	707,0	6,0	2,0	0,0	0,0
3620	86,5	7,94	776,0	7,0	2,0	0,0	0,0
3621	91,0	6,82	664,0	7,0	2,0	0,0	0,0
3622	89,9	6,01	582,0	6,0	3,0	0,0	0,0
3623	79,3	6,01	582,0	6,0	3,0	0,0	0,0
3624	115,0	6,37	621,0	6,0	2,0	0,0	0,0
3625	117,5	6,37	621,0	6,0	2,0	0,0	0,0
3626	116,5	6,37	621,0	6,0	2,0	0,0	0,0
3627	82,8	6,01	585,0	6,0	2,0	0,0	0,0
3628	140,2	6,49	633,0	6,0	2,0	0,0	0,0
3629	123,0	6,49	633,0	6,0	2,0	0,0	0,0
3630	120,1	6,64	648,0	6,0	2,0	0,0	0,0
3631	113,8	6,64	648,0	6,0	2,0	0,0	0,0
3632	113,0	6,09	593,0	6,0	2,0	0,0	0,0
3633	138,0	6,09	593,0	6,0	2,0	0,0	0,0
3634	121,3	6,09	593,0	6,0	2,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3635	103,2	6,31	613,0	7,0	2,0	0,0	0,0
3636	96,2	5,94	579,0	7,0	1,0	0,0	0,0
3637	102,4	5,94	579,0	7,0	1,0	0,0	0,0
3638	96,9	6,48	628,0	8,0	2,0	0,0	0,0
3639	97,3	6,48	628,0	8,0	2,0	0,0	0,0
3640	113,6	7,09	689,0	8,0	2,0	0,0	0,0
3641	113,2	7,78	755,0	10,0	2,0	0,0	0,0
3642	98,1	6,92	674,0	7,0	2,0	0,0	0,0
3643	113,3	6,92	674,0	7,0	2,0	0,0	0,0
3644	95,9	6,74	656,0	7,0	2,0	0,0	0,0
3645	102,1	6,97	681,0	6,0	2,0	0,0	0,0
3646	103,5	8,39	810,0	10,0	4,0	0,0	0,0
3647	90,0	6,35	614,0	7,0	3,0	0,0	0,0
3648	85,3	4,32	418,0	5,0	2,0	0,0	0,0
3649	63,0	4,56	442,0	5,0	2,0	0,0	0,0
3650	69,8	4,56	442,0	5,0	2,0	0,0	0,0
3651	71,4	4,37	423,0	5,0	2,0	0,0	0,0
3652	54,8	4,03	390,0	4,0	2,0	0,0	0,0
3653	67,7	4,73	457,0	6,0	2,0	0,0	0,0
3654	56,5	4,96	480,0	6,0	2,0	0,0	0,0
3655	60,4	5,95	581,0	5,0	2,0	0,0	0,0
3656	61,3	13,40	1315,0	11,0	2,0	0,0	0,0
3657	19,1	17,01	1669,0	12,0	4,0	0,0	0,0
3658	78,7	19,30	1892,0	15,0	4,0	0,0	0,0
3659	87,7	21,45	2105,0	16,0	4,0	0,0	0,0
3660	61,2	21,45	2105,0	16,0	4,0	0,0	0,0
3661	85,4	45,64	4504,0	23,0	7,0	0,0	0,0
3662	79,4	54,56	5383,0	30,0	7,0	0,0	0,0
3663	70,7	54,56	5383,0	30,0	7,0	0,0	0,0
3664	78,0	60,75	5997,0	33,0	7,0	0,0	0,0
3665	66,1	57,39	5661,0	33,0	7,0	0,0	0,0
3666	76,9	57,39	5661,0	33,0	7,0	0,0	0,0
3667	83,5	53,99	5324,0	31,0	7,0	0,0	0,0
3668	54,9	45,79	4511,0	27,0	7,0	0,0	0,0
3669	91,6	45,79	4511,0	27,0	7,0	0,0	0,0
3670	89,7	53,67	5296,0	29,0	7,0	0,0	0,0
3671	98,8	53,67	5296,0	29,0	7,0	0,0	0,0
3672	104,8	66,70	6587,0	34,0	8,0	0,0	0,0
3673	117,6	79,72	7878,0	40,0	8,0	0,0	0,0
3674	76,3	109,24	10808,0	48,0	11,0	0,0	0,0
3675	92,0	115,47	11424,0	52,0	11,0	0,0	0,0
3676	106,9	115,47	11424,0	52,0	11,0	0,0	0,0
3677	93,5	115,47	11424,0	52,0	11,0	0,0	0,0
3678	90,4	115,47	11424,0	52,0	11,0	0,0	0,0
3679	87,4	115,47	11424,0	52,0	11,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3680	104,7	109,62	10845,0	50,0	10,0	0,0	0,0
3681	92,6	79,06	7819,0	38,0	7,0	0,0	0,0
3682	82,5	63,69	6299,0	30,0	6,0	0,0	0,0
3683	103,4	63,69	6299,0	30,0	6,0	0,0	0,0
3684	98,4	64,78	6408,0	30,0	6,0	0,0	0,0
3685	84,6	76,64	7584,0	34,0	7,0	0,0	0,0
3686	60,2	115,96	11474,0	50,0	12,0	0,0	0,0
3687	41,0	115,96	11474,0	50,0	12,0	0,0	0,0
3688	69,7	136,25	13484,0	59,0	13,0	0,0	0,0
3689	80,5	139,83	13838,0	61,0	13,0	0,0	0,0
3690	80,3	139,80	13838,0	61,0	12,0	0,0	0,0
3691	86,8	91,58	9062,0	40,0	9,0	0,0	0,0
3692	90,9	91,58	9062,0	40,0	9,0	0,0	0,0
3693	99,5	67,55	6683,0	31,0	6,0	0,0	0,0
3694	106,3	57,04	5641,0	26,0	6,0	0,0	0,0
3695	89,8	44,28	4378,0	20,0	5,0	0,0	0,0
3696	93,7	44,28	4378,0	20,0	5,0	0,0	0,0
3697	80,6	34,95	3452,0	18,0	4,0	0,0	0,0
3698	64,1	28,97	2859,0	15,0	4,0	0,0	0,0
3699	85,5	22,40	2204,0	14,0	4,0	0,0	0,0
3700	109,8	22,40	2204,0	14,0	4,0	0,0	0,0
3701	104,1	20,76	2044,0	13,0	3,0	0,0	0,0
3702	74,6	18,75	1843,0	13,0	3,0	0,0	0,0
3703	72,7	18,75	1843,0	13,0	3,0	0,0	0,0
3704	94,9	17,04	1676,0	11,0	3,0	0,0	0,0
3705	82,2	17,07	1679,0	11,0	3,0	0,0	0,0
3706	70,4	17,07	1679,0	11,0	3,0	0,0	0,0
3707	50,0	17,64	1730,0	13,0	4,0	0,0	0,0
3708	23,0	16,06	1572,0	13,0	4,0	0,0	0,0
3709	68,6	16,06	1572,0	13,0	4,0	0,0	0,0
3710	101,7	15,24	1494,0	12,0	3,0	0,0	0,0
3711	105,5	14,52	1424,0	11,0	3,0	0,0	0,0
3712	137,9	13,81	1355,0	10,0	3,0	0,0	0,0
3713	99,4	14,34	1404,0	12,0	3,0	0,0	0,0
3714	92,5	14,40	1410,0	12,0	3,0	0,0	0,0
3715	93,0	14,38	1410,0	11,0	3,0	0,0	0,0
3716	87,9	14,82	1454,0	11,0	3,0	0,0	0,0
3717	103,5	14,82	1454,0	11,0	3,0	0,0	0,0
3718	109,8	15,06	1476,0	12,0	3,0	0,0	0,0
3719	99,4	15,06	1476,0	12,0	3,0	0,0	0,0
3720	92,4	14,18	1390,0	11,0	3,0	0,0	0,0
3721	105,0	14,69	1439,0	12,0	3,0	0,0	0,0
3722	103,8	14,69	1439,0	12,0	3,0	0,0	0,0
3723	104,4	17,33	1699,0	13,0	4,0	0,0	0,0
3724	105,9	17,33	1699,0	13,0	4,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3725	106,0	17,33	1699,0	13,0	4,0	0,0	0,0
3726	91,3	12,77	1249,0	11,0	3,0	0,0	0,0
3727	68,0	12,77	1249,0	11,0	3,0	0,0	0,0
3728	87,3	12,77	1249,0	11,0	3,0	0,0	0,0
3729	101,0	12,57	1231,0	10,0	3,0	0,0	0,0
3730	123,6	12,66	1240,0	10,0	3,0	0,0	0,0
3731	109,4	12,64	1240,0	9,0	3,0	0,0	0,0
3732	106,5	12,70	1239,0	11,0	4,0	0,0	0,0
3733	104,1	12,70	1239,0	11,0	4,0	0,0	0,0
3734	113,4	12,07	1181,0	10,0	3,0	0,0	0,0
3735	83,9	13,06	1278,0	11,0	3,0	0,0	0,0
3736	93,5	12,49	1221,0	11,0	3,0	0,0	0,0
3737	96,0	13,83	1351,0	12,0	4,0	0,0	0,0
3738	76,7	11,71	1147,0	9,0	3,0	0,0	0,0
3739	87,5	10,82	1057,0	8,0	4,0	0,0	0,0
3740	79,1	10,21	1000,0	7,0	3,0	0,0	0,0
3741	50,0	0,70	65,0	1,0	1,0	0,0	0,0
3742	45,8	0,73	68,0	1,0	1,0	0,0	0,0
3743	45,8	0,78	72,0	2,0	1,0	0,0	0,0
3744	12,5	1,12	106,0	2,0	1,0	0,0	0,0
3745	18,7	1,11	106,0	1,0	1,0	0,0	0,0
3746	41,7	1,28	120,0	3,0	1,0	0,0	0,0
3747	34,0	1,28	122,0	2,0	1,0	0,0	0,0
3748	60,9	1,28	122,0	2,0	1,0	0,0	0,0
3749	79,2	1,28	122,0	2,0	1,0	0,0	0,0
3750	63,8	1,30	124,0	2,0	1,0	0,0	0,0
3751	52,3	1,28	122,0	2,0	1,0	0,0	0,0
3752	46,4	1,24	119,0	1,0	1,0	0,0	0,0
3753	74,9	1,18	114,0	2,0	0,0	0,0	0,0
3754	53,5	1,26	122,0	2,0	0,0	0,0	0,0
3755	52,4	1,40	134,0	2,0	1,0	0,0	0,0
3756	88,5	1,46	140,0	2,0	1,0	0,0	0,0
3757	64,1	1,46	140,0	2,0	1,0	0,0	0,0
3758	44,7	1,49	143,0	2,0	1,0	0,0	0,0
3759	71,4	1,49	143,0	2,0	1,0	0,0	0,0
3760	69,8	1,67	161,0	2,0	1,0	0,0	0,0
3761	85,7	1,67	161,0	2,0	1,0	0,0	0,0
3762	62,1	1,73	167,0	2,0	1,0	0,0	0,0
3763	62,5	1,81	175,0	2,0	1,0	0,0	0,0
3764	62,6	1,40	134,0	2,0	1,0	0,0	0,0
3765	120,1	1,40	134,0	2,0	1,0	0,0	0,0
3766	32,0	2,11	205,0	2,0	1,0	0,0	0,0
3767	82,9	2,40	232,0	3,0	1,0	0,0	0,0
3768	29,7	2,57	247,0	4,0	1,0	0,0	0,0
3769	99,2	3,00	292,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3770	57,6	1,86	175,0	3,0	2,0	0,0	0,0
3771	80,7	1,70	162,0	3,0	1,0	0,0	0,0
3772	98,1	1,70	162,0	3,0	1,0	0,0	0,0
3773	85,0	1,62	151,0	3,0	2,0	0,0	0,0
3774	92,3	1,63	157,0	2,0	1,0	0,0	0,0
3775	71,4	1,63	157,0	2,0	1,0	0,0	0,0
3776	42,1	1,63	157,0	2,0	1,0	0,0	0,0
3777	67,2	1,52	148,0	2,0	0,0	0,0	0,0
3778	118,9	1,46	142,0	2,0	0,0	0,0	0,0
3779	84,9	1,46	142,0	2,0	0,0	0,0	0,0
3780	81,8	1,54	148,0	2,0	1,0	0,0	0,0
3781	68,4	1,41	135,0	2,0	1,0	0,0	0,0
3782	19,5	1,35	129,0	2,0	1,0	0,0	0,0
3783	84,7	1,37	129,0	3,0	1,0	0,0	0,0
3784	33,3	1,41	135,0	2,0	1,0	0,0	0,0
3785	111,9	1,41	135,0	2,0	1,0	0,0	0,0
3786	105,2	1,39	133,0	2,0	1,0	0,0	0,0
3787	108,6	1,39	133,0	2,0	1,0	0,0	0,0
3788	123,8	1,44	138,0	2,0	1,0	0,0	0,0
3789	56,0	1,58	152,0	2,0	1,0	0,0	0,0
3790	70,3	1,60	152,0	3,0	1,0	0,0	0,0
3791	79,2	1,56	148,0	3,0	1,0	0,0	0,0
3792	74,9	1,66	161,0	3,0	0,0	0,0	0,0
3793	62,6	1,84	175,0	2,0	2,0	0,0	0,0
3794	75,7	1,84	175,0	2,0	2,0	0,0	0,0
3795	95,3	2,27	221,0	2,0	1,0	0,0	0,0
3796	83,2	2,72	266,0	2,0	1,0	0,0	0,0
3797	91,1	2,93	287,0	2,0	1,0	0,0	0,0
3798	75,9	2,93	287,0	2,0	1,0	0,0	0,0
3799	71,6	3,41	333,0	3,0	1,0	0,0	0,0
3800	86,1	3,86	378,0	3,0	1,0	0,0	0,0
3801	79,1	3,86	378,0	3,0	1,0	0,0	0,0
3802	78,2	3,91	384,0	4,0	0,0	0,0	0,0
3803	82,5	3,68	360,0	3,0	1,0	0,0	0,0
3804	83,3	3,68	360,0	3,0	1,0	0,0	0,0
3805	83,3	3,68	360,0	3,0	1,0	0,0	0,0
3806	89,7	3,57	349,0	3,0	1,0	0,0	0,0
3807	92,2	4,04	392,0	5,0	1,0	0,0	0,0
3808	95,4	4,04	392,0	5,0	1,0	0,0	0,0
3809	84,5	3,46	336,0	4,0	1,0	0,0	0,0
3810	74,4	2,85	277,0	3,0	1,0	0,0	0,0
3811	103,4	2,85	277,0	3,0	1,0	0,0	0,0
3812	83,8	2,68	260,0	3,0	1,0	0,0	0,0
3813	87,8	2,68	260,0	3,0	1,0	0,0	0,0
3814	79,5	2,75	265,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3815	96,1	2,98	288,0	4,0	1,0	0,0	0,0
3816	75,3	2,98	288,0	4,0	1,0	0,0	0,0
3817	77,6	2,46	240,0	2,0	1,0	0,0	0,0
3818	79,3	2,33	225,0	3,0	1,0	0,0	0,0
3819	67,2	2,38	230,0	3,0	1,0	0,0	0,0
3820	61,7	2,46	236,0	4,0	1,0	0,0	0,0
3821	94,6	2,46	236,0	4,0	1,0	0,0	0,0
3822	91,7	3,40	330,0	4,0	1,0	0,0	0,0
3823	71,0	3,78	368,0	4,0	1,0	0,0	0,0
3824	84,1	3,36	326,0	4,0	1,0	0,0	0,0
3825	102,0	3,41	328,0	4,0	2,0	0,0	0,0
3826	87,8	3,29	319,0	4,0	1,0	0,0	0,0
3827	84,5	3,29	319,0	4,0	1,0	0,0	0,0
3828	101,3	5,47	533,0	6,0	1,0	0,0	0,0
3829	79,9	5,63	547,0	6,0	2,0	0,0	0,0
3830	97,9	5,63	547,0	6,0	2,0	0,0	0,0
3831	82,3	5,71	557,0	6,0	1,0	0,0	0,0
3832	93,7	6,90	676,0	6,0	1,0	0,0	0,0
3833	100,7	6,90	676,0	6,0	1,0	0,0	0,0
3834	81,8	7,25	708,0	8,0	1,0	0,0	0,0
3835	95,4	7,78	758,0	8,0	2,0	0,0	0,0
3836	112,8	1,33	127,0	2,0	1,0	0,0	0,0
3837	67,7	1,52	146,0	2,0	1,0	0,0	0,0
3838	75,1	1,52	146,0	2,0	1,0	0,0	0,0
3839	66,0	1,31	126,0	1,0	1,0	0,0	0,0
3840	67,5	1,19	115,0	2,0	0,0	0,0	0,0
3841	62,8	1,71	163,0	3,0	1,0	0,0	0,0
3842	40,7	1,90	184,0	2,0	1,0	0,0	0,0
3843	72,1	1,73	169,0	2,0	0,0	0,0	0,0
3844	56,7	1,51	146,0	1,0	1,0	0,0	0,0
3845	56,4	1,22	116,0	2,0	1,0	0,0	0,0
3846	61,1	1,17	112,0	1,0	1,0	0,0	0,0
3847	63,5	1,09	107,0	1,0	0,0	0,0	0,0
3848	70,9	0,99	94,0	1,0	1,0	0,0	0,0
3849	72,6	0,99	94,0	1,0	1,0	0,0	0,0
3850	81,2	0,97	91,0	2,0	1,0	0,0	0,0
3851	65,0	0,99	95,0	2,0	0,0	0,0	0,0
3852	72,8	0,93	88,0	1,0	1,0	0,0	0,0
3853	65,9	0,98	93,0	1,0	1,0	0,0	0,0
3854	74,6	0,98	93,0	1,0	1,0	0,0	0,0
3855	58,9	0,88	86,0	1,0	0,0	0,0	0,0
3856	66,5	0,94	94,0	0,0	0,0	0,0	0,0
3857	70,1	0,93	88,0	1,0	1,0	0,0	0,0
3858	62,9	0,96	92,0	2,0	0,0	0,0	0,0
3859	61,2	1,11	106,0	1,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3860	61,9	1,00	94,0	2,0	1,0	0,0	0,0
3861	65,2	0,97	91,0	2,0	1,0	0,0	0,0
3862	58,8	1,02	97,0	1,0	1,0	0,0	0,0
3863	76,2	1,06	100,0	2,0	1,0	0,0	0,0
3864	55,0	0,97	91,0	2,0	1,0	0,0	0,0
3865	69,1	0,97	91,0	2,0	1,0	0,0	0,0
3866	74,5	0,99	93,0	2,0	1,0	0,0	0,0
3867	63,9	1,01	95,0	2,0	1,0	0,0	0,0
3868	59,8	0,97	91,0	2,0	1,0	0,0	0,0
3869	72,3	1,09	105,0	2,0	0,0	0,0	0,0
3870	66,1	1,38	132,0	2,0	1,0	0,0	0,0
3871	66,5	1,38	132,0	2,0	1,0	0,0	0,0
3872	55,2	1,31	126,0	1,0	1,0	0,0	0,0
3873	71,3	1,18	113,0	1,0	1,0	0,0	0,0
3874	60,7	1,20	114,0	2,0	1,0	0,0	0,0
3875	65,6	1,27	122,0	1,0	1,0	0,0	0,0
3876	71,4	1,23	118,0	1,0	1,0	0,0	0,0
3877	70,5	1,23	118,0	1,0	1,0	0,0	0,0
3878	52,9	1,16	110,0	2,0	1,0	0,0	0,0
3879	85,3	1,19	114,0	1,0	1,0	0,0	0,0
3880	90,7	1,19	115,0	2,0	0,0	0,0	0,0
3881	75,5	1,19	115,0	2,0	0,0	0,0	0,0
3882	92,5	1,18	109,0	2,0	2,0	0,0	0,0
3883	91,3	1,11	105,0	2,0	1,0	0,0	0,0
3884	81,0	1,11	105,0	2,0	1,0	0,0	0,0
3885	67,8	1,26	121,0	1,0	1,0	0,0	0,0
3886	42,9	1,26	121,0	1,0	1,0	0,0	0,0
3887	72,5	1,35	129,0	2,0	1,0	0,0	0,0
3888	54,0	1,33	127,0	2,0	1,0	0,0	0,0
3889	40,4	1,34	129,0	1,0	1,0	0,0	0,0
3890	98,4	1,23	118,0	1,0	1,0	0,0	0,0
3891	78,0	1,53	147,0	2,0	1,0	0,0	0,0
3892	87,8	1,53	147,0	2,0	1,0	0,0	0,0
3893	87,3	1,39	133,0	2,0	1,0	0,0	0,0
3894	88,5	1,21	117,0	2,0	0,0	0,0	0,0
3895	78,9	1,29	123,0	2,0	1,0	0,0	0,0
3896	73,8	1,29	123,0	2,0	1,0	0,0	0,0
3897	74,1	1,27	121,0	2,0	1,0	0,0	0,0
3898	71,3	1,42	138,0	2,0	0,0	0,0	0,0
3899	70,6	1,42	138,0	2,0	0,0	0,0	0,0
3900	74,9	1,50	144,0	2,0	1,0	0,0	0,0
3901	48,5	1,45	139,0	2,0	1,0	0,0	0,0
3902	81,2	1,45	139,0	2,0	1,0	0,0	0,0
3903	79,8	1,55	149,0	2,0	1,0	0,0	0,0
3904	76,0	1,33	127,0	2,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3905	73,0	1,36	130,0	2,0	1,0	0,0	0,0
3906	59,1	1,32	126,0	2,0	1,0	0,0	0,0
3907	56,2	1,55	150,0	1,0	1,0	0,0	0,0
3908	63,3	3,03	295,0	3,0	1,0	0,0	0,0
3909	78,5	5,34	523,0	5,6	0,8	0,0	0,0
3910	79,3	5,34	523,0	5,6	0,3	0,0	0,0
3911	70,6	5,31	520,7	5,6	1,2	0,0	0,0
3912	81,3	4,71	458,1	5,6	1,2	0,0	0,0
3913	54,8	4,68	455,8	5,2	1,1	0,0	0,0
3914	67,8	4,68	455,8	6,1	1,3	0,0	0,0
3915	73,7	5,90	572,4	7,4	1,5	0,0	0,0
3916	76,6	5,90	572,4	7,4	1,5	0,0	0,0
3917	72,3	4,25	413,2	5,1	1,1	0,0	0,0
3918	82,3	3,37	326,7	4,4	1,0	0,0	0,0
3919	69,2	2,49	240,2	3,8	0,8	0,0	0,0
3920	43,1	1,60	153,7	3,1	0,7	0,0	0,0
3921	54,6	1,60	153,7	2,6	1,1	0,0	0,0
3922	47,2	0,65	59,6	1,8	1,1	0,0	0,0
3923	89,6	0,82	77,1	1,8	0,8	0,0	0,0
3924	83,8	0,82	77,1	1,6	0,8	0,0	0,0
3925	72,2	1,17	111,9	1,6	0,8	0,0	0,0
3926	71,1	1,17	111,9	2,1	0,7	0,0	0,0
3927	50,0	0,96	92,3	2,1	0,5	0,0	0,0
3928	75,0	0,96	92,3	1,3	0,5	0,0	0,0
3929	67,8	1,01	94,7	2,0	0,9	0,0	0,0
3930	79,8	1,24	118,6	2,1	0,9	0,0	0,0
3931	79,7	1,31	125,0	2,0	1,0	0,0	0,0
3932	85,0	1,60	154,0	2,0	1,0	0,0	0,0
3933	133,8	1,60	154,0	2,0	1,0	0,0	0,0
3934	72,4	2,13	208,0	3,0	0,0	0,0	0,0
3935	65,0	2,15	207,0	3,0	1,0	0,0	0,0
3936	75,1	2,19	211,0	3,0	1,0	0,0	0,0
3937	82,1	2,19	211,0	3,0	1,0	0,0	0,0
3938	93,0	2,05	197,0	3,0	1,0	0,0	0,0
3939	88,4	2,05	197,0	3,0	1,0	0,0	0,0
3940	70,4	2,17	209,0	3,0	1,0	0,0	0,0
3941	94,4	1,86	180,0	2,0	1,0	0,0	0,0
3942	52,4	1,86	180,0	2,0	1,0	0,0	0,0
3943	98,7	2,44	236,0	3,0	1,0	0,0	0,0
3944	89,3	2,89	279,0	4,0	1,0	0,0	0,0
3945	96,6	2,89	279,0	4,0	1,0	0,0	0,0
3946	75,0	3,42	332,0	4,0	1,0	0,0	0,0
3947	84,3	3,54	342,0	5,0	1,0	0,0	0,0
3948	91,7	2,42	234,0	3,0	1,0	0,0	0,0
3949	88,4	2,42	234,0	3,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3950	84,9	2,32	224,0	3,0	1,0	0,0	0,0
3951	68,8	2,70	260,0	4,0	1,0	0,0	0,0
3952	65,3	4,36	424,0	5,0	1,0	0,0	0,0
3953	99,2	3,25	313,0	5,0	1,0	0,0	0,0
3954	71,3	3,25	313,0	5,0	1,0	0,0	0,0
3955	98,9	2,47	239,0	3,0	1,0	0,0	0,0
3956	100,6	2,47	239,0	3,0	1,0	0,0	0,0
3957	83,3	2,30	225,0	3,0	0,0	0,0	0,0
3958	70,7	4,65	451,0	6,0	1,0	0,0	0,0
3959	111,0	4,65	451,0	6,0	1,0	0,0	0,0
3960	124,4	2,99	287,0	5,0	1,0	0,0	0,0
3961	78,0	2,99	287,0	5,0	1,0	0,0	0,0
3962	53,7	2,46	241,0	3,0	0,0	0,0	0,0
3963	73,0	2,61	254,0	4,0	0,0	0,0	0,0
3964	67,7	2,73	263,0	4,0	1,0	0,0	0,0
3965	110,4	2,73	263,0	4,0	1,0	0,0	0,0
3966	108,3	2,60	250,0	4,0	1,0	0,0	0,0
3967	98,5	2,42	232,0	4,0	1,0	0,0	0,0
3968	91,7	2,42	232,0	4,0	1,0	0,0	0,0
3969	108,3	2,22	212,0	4,0	1,0	0,0	0,0
3970	76,3	2,22	212,0	4,0	1,0	0,0	0,0
3971	81,2	2,34	226,0	3,0	1,0	0,0	0,0
3972	78,0	2,34	226,0	3,0	1,0	0,0	0,0
3973	108,1	2,53	246,0	4,0	0,0	0,0	0,0
3974	106,1	2,59	249,0	4,0	1,0	0,0	0,0
3975	80,7	2,59	249,0	4,0	1,0	0,0	0,0
3976	81,8	2,55	245,0	4,0	1,0	0,0	0,0
3977	105,7	2,57	247,0	4,0	1,0	0,0	0,0
3978	116,0	2,57	247,0	4,0	1,0	0,0	0,0
3979	82,8	2,69	259,0	4,0	1,0	0,0	0,0
3980	99,6	2,66	256,0	4,0	1,0	0,0	0,0
3981	74,7	2,66	256,0	4,0	1,0	0,0	0,0
3982	73,4	2,73	263,0	4,0	1,0	0,0	0,0
3983	112,5	2,73	263,0	4,0	1,0	0,0	0,0
3984	110,9	3,13	301,0	5,0	1,0	0,0	0,0
3985	86,2	2,93	281,0	5,0	1,0	0,0	0,0
3986	91,8	2,93	281,0	5,0	1,0	0,0	0,0
3987	85,6	2,95	283,0	5,0	1,0	0,0	0,0
3988	66,5	2,95	283,0	5,0	1,0	0,0	0,0
3989	94,6	2,87	275,0	5,0	1,0	0,0	0,0
3990	89,0	2,34	224,0	4,0	1,0	0,0	0,0
3991	150,2	2,34	224,0	4,0	1,0	0,0	0,0
3992	83,7	2,64	252,0	5,0	1,0	0,0	0,0
3993	96,0	2,94	284,0	4,0	1,0	0,0	0,0
3994	31,3	2,59	249,0	4,0	1,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
3995	93,0	2,59	249,0	4,0	1,0	0,0	0,0
3996	98,8	2,55	245,0	4,0	1,0	0,0	0,0
3997	106,2	2,57	247,0	4,0	1,0	0,0	0,0
3998	72,4	1,82	174,0	3,0	1,0	0,0	0,0
3999	103,7	1,82	174,0	3,0	1,0	0,0	0,0
4000	80,6	1,90	180,0	4,0	1,0	0,0	0,0
4001	82,9	2,53	246,0	4,0	0,0	0,0	0,0
4002	139,1	2,59	249,0	4,0	1,0	0,0	0,0
4003	139,1	2,59	249,0	4,0	1,0	0,0	0,0
4004	73,0	2,55	245,0	4,0	1,0	0,0	0,0
4005	136,3	2,57	247,0	4,0	1,0	0,0	0,0
4006	104,4	2,57	247,0	4,0	1,0	0,0	0,0
4007	84,2	2,49	236,0	4,0	2,0	0,0	0,0
4008	69,8	2,39	226,0	4,0	2,0	0,0	0,0
4009	72,9	2,39	226,0	4,0	2,0	0,0	0,0
4010	99,4	2,88	278,0	4,0	1,0	0,0	0,0
4011	72,5	2,68	256,0	5,0	1,0	0,0	0,0
4012	105,9	2,68	256,0	5,0	1,0	0,0	0,0
4013	87,2	2,34	224,0	4,0	1,0	0,0	0,0
4014	44,7	2,39	232,0	4,0	0,0	0,0	0,0
4015	128,8	2,62	252,0	4,0	1,0	0,0	0,0
4016	89,5	2,62	252,0	4,0	1,0	0,0	0,0
4017	151,7	2,87	273,0	5,0	2,0	0,0	0,0
4018	75,6	3,11	297,0	5,0	2,0	0,0	0,0
4019	116,9	3,11	297,0	5,0	2,0	0,0	0,0
4020	125,0	3,11	297,0	5,0	2,0	0,0	0,0
4021	119,2	3,63	351,0	5,0	1,0	0,0	0,0
4022	97,8	3,78	364,0	6,0	1,0	0,0	0,0
4023	64,6	3,78	364,0	6,0	1,0	0,0	0,0
4024	71,4	4,24	408,0	6,0	2,0	0,0	0,0
4025	96,9	3,92	374,0	7,0	2,0	0,0	0,0
4026	130,6	3,92	374,0	7,0	2,0	0,0	0,0
4027	130,6	2,82	268,0	6,0	1,0	0,0	0,0
4028	0,4	2,56	246,0	4,0	1,0	0,0	0,0
4029	53,5	2,43	233,8	4,1	0,8	0,0	0,0
4030	145,3	2,43	233,8	4,1	0,8	0,0	0,0
4031	70,3	2,81	267,9	4,3	1,9	0,0	0,0
4032	81,9	2,81	267,9	4,3	1,9	0,0	0,0
4033	91,8	2,81	267,9	4,3	1,9	0,0	0,0
4034	39,3	3,22	309,7	4,7	1,5	0,0	0,0
4035	79,2	3,22	309,7	5,1	1,5	0,0	0,0
4036	78,0	3,03	290,1	5,1	1,3	0,0	0,0
4037	130,8	3,14	301,0	5,2	1,5	0,0	0,0
4038	73,0	3,14	301,0	5,2	1,5	0,0	0,0
4039	92,1	2,55	248,4	3,3	0,4	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4040	71,0	2,78	266,8	5,1	0,8	0,0	0,0
4041	91,2	2,85	272,9	5,1	1,1	0,0	0,0
4042	100,3	2,85	272,9	4,9	1,1	0,0	0,0
4043	109,8	2,88	278,2	4,9	1,5	0,0	0,0
4044	117,1	3,51	337,2	5,6	1,5	0,0	0,0
4045	63,1	3,51	337,2	5,6	1,3	0,0	0,0
4046	88,5	3,51	337,2	5,6	1,7	0,0	0,0
4047	104,1	3,14	301,2	4,6	1,7	0,0	0,0
4048	92,9	3,52	336,3	6,2	1,7	0,0	0,0
4049	85,4	3,90	373,1	6,5	2,0	0,0	0,0
4050	90,2	3,90	373,1	6,5	2,0	0,0	0,0
4051	74,3	3,44	328,7	5,9	1,9	0,0	0,0
4052	92,1	4,06	390,7	6,4	1,9	0,0	0,0
4053	100,9	4,06	390,7	6,4	1,3	0,0	0,0
4054	97,9	3,93	376,0	7,0	1,5	0,0	0,0
4055	102,6	3,99	382,2	7,0	1,6	0,0	0,0
4056	98,8	3,99	382,2	7,0	2,0	0,0	0,0
4057	101,8	3,37	319,9	6,4	2,0	0,0	0,0
4058	98,1	3,37	319,9	6,4	2,0	0,0	0,0
4059	90,5	3,86	370,8	5,9	1,6	0,0	0,0
4060	75,2	3,86	370,8	5,9	1,6	0,0	0,0
4061	142,9	4,42	424,3	7,5	1,6	0,0	0,0
4062	107,9	4,42	424,3	7,5	1,6	0,0	0,0
4063	130,5	4,58	439,4	7,5	2,1	0,0	0,0
4064	87,5	4,58	439,4	7,4	2,1	0,0	0,0
4065	102,8	4,61	443,5	7,4	2,1	0,0	0,0
4066	89,7	5,02	482,4	8,0	2,1	0,0	0,0
4067	83,7	5,02	482,4	8,0	1,7	0,0	0,0
4068	92,9	5,68	549,3	8,0	1,7	0,0	0,0
4069	66,0	6,72	648,4	9,7	2,4	0,0	0,0
4070	67,4	6,72	648,4	9,7	2,4	0,0	0,0
4071	52,6	7,73	746,8	10,8	2,4	0,0	0,0
4072	75,8	7,73	746,8	10,8	2,4	0,0	0,0
4073	57,2	6,93	669,1	10,5	2,0	0,0	0,0
4074	91,9	6,93	669,1	10,5	2,0	0,0	0,0
4075	77,2	6,97	671,2	10,5	2,5	0,0	0,0
4076	163,9	7,08	683,1	10,6	2,5	0,0	0,0
4077	105,2	7,08	683,1	10,6	2,5	0,0	0,0
4078	173,8	7,08	683,1	10,6	2,5	0,0	0,0
4079	94,7	6,57	632,4	10,2	2,9	0,0	0,0
4080	123,2	6,06	581,7	9,8	3,2	0,0	0,0
4081	88,4	5,54	528,0	9,7	3,2	0,0	0,0
4082	86,6	6,34	606,0	10,6	3,2	0,0	0,0
4083	133,4	6,34	606,0	10,6	3,2	0,0	0,0
4084	53,8	5,66	541,7	9,8	2,4	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4085	86,3	5,66	541,7	10,1	2,4	0,0	0,0
4086	99,9	5,47	523,6	10,3	2,9	0,0	0,0
4087	80,7	5,21	494,7	10,3	2,9	0,0	0,0
4088	148,2	5,36	510,2	10,3	2,9	0,0	0,0
4089	95,7	5,36	510,2	9,8	2,9	0,0	0,0
4090	69,4	5,36	510,2	10,0	2,9	0,0	0,0
4091	108,9	4,57	432,1	9,3	2,9	0,0	0,0
4092	54,3	4,57	432,1	9,8	2,9	0,0	0,0
4093	97,1	4,54	431,0	9,8	2,1	0,0	0,0
4094	138,4	4,19	397,7	8,2	2,3	0,0	0,0
4095	79,7	4,19	397,7	8,2	2,3	0,0	0,0
4096	103,6	4,02	383,9	7,9	1,3	0,0	0,0
4097	97,0	4,39	419,3	8,0	2,0	0,0	0,0
4098	46,7	4,39	419,3	8,0	2,0	0,0	0,0
4099	53,7	3,67	349,7	7,2	2,3	0,0	0,0
4100	54,4	3,31	312,3	6,7	2,3	0,0	0,0
4101	141,6	3,09	291,0	7,0	2,0	0,0	0,0
4102	140,2	6,39	609,0	12,0	3,0	0,0	0,0
4103	119,8	3,25	310,0	7,0	1,0	0,0	0,0
4104	79,0	3,89	376,0	7,0	0,0	0,0	0,0
4105	118,2	3,97	382,0	7,0	1,0	0,0	0,0
4106	127,5	3,34	320,0	6,0	1,0	0,0	0,0
4107	231,3	3,38	320,0	7,0	2,0	0,0	0,0
4108	63,5	4,18	398,0	8,0	2,0	0,0	0,0
4109	106,2	4,18	398,0	8,0	2,0	0,0	0,0
4110	109,2	3,81	361,0	8,0	2,0	0,0	0,0
4111	94,2	3,73	353,0	8,0	2,0	0,0	0,0
4112	64,1	3,76	356,0	8,0	2,0	0,0	0,0
4113	84,0	4,74	448,0	10,0	3,0	0,0	0,0
4114	106,4	4,74	448,0	10,0	3,0	0,0	0,0
4115	50,3	5,26	498,0	11,0	3,0	0,0	0,0
4116	95,8	5,37	505,0	12,0	4,0	0,0	0,0
4117	54,9	6,54	616,0	15,0	4,0	0,0	0,0
4118	136,7	6,62	626,0	14,0	4,0	0,0	0,0
4119	88,3	5,18	492,0	10,0	3,0	0,0	0,0
4120	173,1	4,14	390,1	8,0	3,4	0,0	0,0
4121	95,0	9,06	856,0	19,0	6,0	0,0	0,0
4122	102,3	9,06	856,0	19,0	6,0	0,0	0,0
4123	96,0	6,09	572,0	13,0	5,0	0,0	0,0
4124	53,3	7,32	690,0	16,0	5,0	0,0	0,0
4125	82,1	7,30	690,0	16,0	4,0	0,0	0,0
4126	93,6	7,30	690,0	16,0	4,0	0,0	0,0
4127	63,3	6,70	632,0	15,0	4,0	0,0	0,0
4128	86,9	6,70	632,0	15,0	4,0	0,0	0,0
4129	77,5	7,60	720,0	16,0	4,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4130	53,0	7,81	740,0	17,0	4,0	0,0	0,0
4131	116,9	7,92	750,0	16,0	5,0	0,0	0,0
4132	69,8	7,92	745,0	17,0	6,0	0,0	0,0
4133	97,6	8,25	780,0	16,0	6,0	0,0	0,0
4134	145,6	8,13	768,0	16,0	6,0	0,0	0,0
4135	96,5	8,07	760,0	17,0	6,0	0,0	0,0
4136	84,2	8,25	780,0	16,0	6,0	0,0	0,0
4137	85,6	6,75	632,0	15,0	6,0	0,0	0,0
4138	64,7	6,70	632,0	15,0	4,0	0,0	0,0
4139	38,6	6,70	632,0	15,0	4,0	0,0	0,0
4140	110,7	7,82	741,0	15,0	5,0	0,0	0,0
4141	41,7	9,42	892,0	19,0	6,0	0,0	0,0
4142	49,8	10,50	991,0	22,0	7,0	0,0	0,0
4143	80,1	9,34	881,0	19,0	7,0	0,0	0,0
4144	36,7	9,18	863,0	20,0	7,0	0,0	0,0
4145	107,4	8,53	802,0	18,0	7,0	0,0	0,0
4146	108,0	8,53	802,0	18,0	7,0	0,0	0,0
4147	51,0	8,55	803,0	20,0	6,0	0,0	0,0
4148	124,5	6,80	637,0	15,0	6,0	0,0	0,0
4149	70,1	5,68	529,0	14,0	5,0	0,0	0,0
4150	128,6	5,68	529,0	14,0	5,0	0,0	0,0
4151	54,2	9,68	913,0	20,0	7,0	0,0	0,0
4152	64,9	10,49	986,0	23,0	8,0	0,0	0,0
4153	92,3	9,89	930,0	22,0	7,0	0,0	0,0
4154	80,9	9,89	930,0	22,0	7,0	0,0	0,0
4155	85,4	6,41	593,0	16,0	7,0	0,0	0,0
4156	36,7	8,15	751,0	22,0	9,0	0,0	0,0
4157	78,7	8,95	825,0	24,0	10,0	0,0	0,0
4158	43,2	11,65	1064,0	35,0	14,0	0,0	0,0
4159	93,8	11,65	1064,0	35,0	14,0	0,0	0,0
4160	83,1	14,81	1359,0	41,0	18,0	0,0	0,0
4161	138,5	17,10	1567,0	48,0	21,0	0,0	0,0
4162	104,1	17,10	1567,0	48,0	21,0	0,0	0,0
4163	67,2	19,39	1775,0	55,0	24,0	0,0	0,0
4164	116,5	19,39	1775,0	55,0	24,0	0,0	0,0
4165	88,6	24,45	2235,0	70,0	31,0	0,0	0,0
4166	102,4	26,22	2383,0	79,0	36,0	0,0	0,0
4167	95,3	26,22	2383,0	79,0	36,0	0,0	0,0
4168	90,3	31,83	2875,0	102,0	46,0	0,0	0,0
4169	80,3	39,32	3525,0	133,0	62,0	0,0	0,0
4170	84,5	47,61	4253,0	165,0	78,0	0,0	0,0
4171	113,0	47,61	4253,0	165,0	78,0	0,0	0,0
4172	97,8	59,50	5287,0	214,0	103,0	0,0	0,0
4173	76,7	71,38	6361,0	244,0	125,0	0,0	0,0
4174	64,0	71,38	6361,0	244,0	125,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4175	92,6	75,20	6683,0	264,0	134,0	0,0	0,0
4176	60,0	75,20	6683,0	264,0	134,0	0,0	0,0
4177	97,7	76,33	6782,0	269,0	136,0	0,0	0,0
4178	68,4	63,92	5683,0	226,0	112,0	0,0	0,0
4179	97,5	63,92	5683,0	226,0	112,0	0,0	0,0
4180	126,7	62,28	5536,0	221,0	109,0	0,0	0,0
4181	91,7	79,48	7069,0	286,0	135,0	0,0	0,0
4182	123,8	96,67	8602,0	350,0	161,0	0,0	0,0
4183	159,4	55,54	4941,0	198,0	95,0	0,0	0,0
4184	97,2	55,54	4941,0	198,0	95,0	0,0	0,0
4185	88,9	24,45	2235,0	70,0	31,0	0,0	0,0
4186	71,5	26,22	2383,0	79,0	36,0	0,0	0,0
4187	145,5	26,22	2383,0	79,0	36,0	0,0	0,0
4188	91,1	31,83	2875,0	102,0	46,0	0,0	0,0
4189	52,8	39,32	3525,0	133,0	62,0	0,0	0,0
4190	129,5	35,58	3050,0	165,0	78,0	0,0	0,0
4191	85,9	36,33	3125,0	165,0	78,0	0,0	0,0
4192	67,6	34,57	3056,0	142,0	54,0	0,0	0,0
4193	101,4	29,68	2562,0	146,0	53,0	0,0	0,0
4194	105,7	28,81	2498,0	135,0	52,0	0,0	0,0
4195	120,8	25,52	2158,0	138,0	54,0	0,0	0,0
4196	85,4	24,18	2058,0	125,0	50,0	0,0	0,0
4197	100,3	13,44	1129,0	52,0	45,0	0,0	0,0
4198	86,7	12,76	1114,0	48,0	28,0	0,0	0,0
4199	94,0	10,79	934,0	43,0	25,0	0,0	0,0
4200	143,0	12,04	1043,0	49,0	27,0	0,0	0,0
4201	99,5	12,04	1043,0	49,0	27,0	0,0	0,0
4202	79,0	12,27	1056,0	50,0	30,0	0,0	0,0
4203	130,1	12,27	1056,0	50,0	30,0	0,0	0,0
4204	91,9	11,31	970,0	49,0	27,0	0,0	0,0
4205	144,9	11,31	970,0	49,0	27,0	0,0	0,0
4206	55,3	16,15	1392,8	67,4	37,2	0,0	0,0
4207	52,5	16,15	1392,8	67,4	37,2	0,0	0,0
4208	62,1	16,97	1469,1	65,6	40,5	0,0	0,0
4209	92,4	16,97	1469,1	65,6	40,5	0,0	0,0
4210	103,7	18,72	1624,5	72,3	43,5	0,0	0,0
4211	79,6	18,72	1624,0	72,0	44,0	0,0	0,0
4212	101,3	21,02	1830,0	79,0	48,0	0,0	0,0
4213	65,3	17,74	1560,0	74,0	30,0	0,0	0,0
4214	65,3	16,51	1450,0	68,0	29,0	0,0	0,0
4215	65,3	15,18	1325,0	65,0	28,0	0,0	0,0
4216	89,0	14,19	1250,0	55,0	26,0	0,0	0,0
4217	80,7	13,92	1242,0	46,0	25,0	0,0	0,0
4218	80,7	13,25	1200,0	35,0	23,0	0,0	0,0
4219	84,3	10,87	1000,0	26,0	15,0	0,0	0,0
4220	103,8	10,70	989,0	24,0	14,0	0,0	0,0
4221	101,7	9,65	897,0	20,0	12,0	0,0	0,0
4222	97,3	9,17	856,0	19,0	10,0	0,0	0,0
4223	81,1	9,02	845,0	18,0	9,0	0,0	0,0
4224	90,0	8,44	798,0	15,0	7,0	0,0	0,0
4225	98,0	6,99	658,0	14,0	6,0	0,0	0,0
4226	101,7	6,14	568,0	18,0	5,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4227	54,1	4,96	456,0	16,0	4,0	0,0	0,0
4228	126,1	3,82	358,0	9,0	3,0	0,0	0,0
4229	132,8	1,71	149,0	6,0	4,0	0,0	0,0
4230	128,2	1,32	114,0	4,0	4,0	0,0	0,0
4231	81,3	1,32	114,0	4,0	4,0	0,0	0,0
4232	152,4	1,47	127,0	5,0	4,0	0,0	0,0
4233	83,2	1,47	127,0	5,0	4,0	0,0	0,0
4234	88,6	1,55	138,0	5,0	3,0	0,0	0,0
4235	88,1	1,62	143,0	6,0	3,0	0,0	0,0
4236	81,7	1,62	143,0	6,0	3,0	0,0	0,0
4237	64,6	1,74	152,0	6,0	4,0	0,0	0,0
4238	76,9	1,74	152,0	6,0	4,0	0,0	0,0
4239	114,7	1,73	153,0	5,0	4,0	0,0	0,0
4240	86,2	1,51	129,0	6,0	4,0	0,0	0,0
4241	91,3	1,51	129,0	6,0	4,0	0,0	0,0
4242	71,6	1,51	131,0	5,0	4,0	0,0	0,0
4243	113,6	1,71	149,0	6,0	4,0	0,0	0,0
4244	96,3	1,72	150,0	6,0	4,0	0,0	0,0
4245	78,3	1,72	150,0	6,0	4,0	0,0	0,0
4246	138,5	1,89	167,0	6,0	4,0	0,0	0,0
4247	80,3	1,89	167,0	6,0	4,0	0,0	0,0
4248	52,3	1,84	160,0	6,0	5,0	0,0	0,0
4249	86,8	1,87	164,0	7,0	4,0	0,0	0,0
4250	138,8	1,87	164,0	7,0	4,0	0,0	0,0
4251	136,5	2,78	250,0	8,0	5,0	0,0	0,0
4252	75,2	2,88	260,0	8,0	5,0	0,0	0,0
4253	103,9	3,06	276,0	9,0	5,0	0,0	0,0
4254	88,0	3,06	276,0	9,0	5,0	0,0	0,0
4255	82,2	28,09	2556,0	76,0	43,0	0,0	0,0
4256	89,1	27,57	2522,0	69,0	41,0	0,0	0,0
PARÍÑAS FORMATION							
4257	73,6	27,57	2522,0	69,0	41,0	0,0	0,0
4258	81,8	28,62	2613,0	74,0	43,0	0,0	0,0
4259	76,1	29,56	2691,0	78,0	46,0	0,0	0,0
4260	98,0	32,01	2904,0	87,0	52,0	0,0	0,0
4261	51,0	33,73	3068,0	90,0	53,0	0,0	0,0
4262	87,2	33,73	3068,0	90,0	53,0	0,0	0,0
4263	53,6	30,19	2753,0	80,0	45,0	0,0	0,0
4264	85,9	28,33	2588,0	73,0	42,0	0,0	0,0
4265	64,3	28,33	2588,0	73,0	42,0	0,0	0,0
4266	120,2	28,25	2591,0	70,0	40,0	0,0	0,0
4267	120,2	28,25	2591,0	70,0	40,0	0,0	0,0
4268	69,5	28,34	2600,0	70,0	40,0	0,0	0,0
4269	69,5	28,34	2600,0	70,0	40,0	0,0	0,0
4270	85,7	28,34	2600,0	70,0	40,0	0,0	0,0
4271	58,9	32,64	2986,0	84,0	47,0	0,0	0,0
4272	81,6	27,98	2560,0	72,0	40,0	0,0	0,0
4273	71,8	28,95	2639,0	76,0	44,0	0,0	0,0
4274	68,9	28,95	2639,0	76,0	44,0	0,0	0,0
4275	62,6	15,76	1432,0	44,0	24,0	0,0	0,0
4276	78,7	18,00	1650,0	46,0	25,0	0,0	0,0
4277	36,8	22,64	2088,0	54,0	29,0	0,0	0,0
4278	171,6	23,62	2192,0	54,0	27,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4279	52,4	22,12	2045,0	54,0	26,0	0,0	0,0
4280	92,1	25,80	2396,0	60,0	28,0	0,0	0,0
4281	70,9	25,80	2396,0	60,0	28,0	0,0	0,0
4282	122,2	24,50	2285,0	54,0	25,0	0,0	0,0
4283	119,4	24,27	2258,0	55,0	26,0	0,0	0,0
4284	74,1	25,14	2354,0	53,0	24,0	0,0	0,0
4285	89,4	26,27	2451,0	56,0	28,0	0,0	0,0
4286	150,7	25,37	2362,0	58,0	26,0	0,0	0,0
4287	90,7	24,54	2280,0	59,0	25,0	0,0	0,0
4288	148,4	22,48	2094,0	51,0	23,0	0,0	0,0
4289	94,1	22,48	2094,0	51,0	23,0	0,0	0,0
4290	125,5	26,25	2449,0	60,0	25,0	0,0	0,0
4291	91,3	26,25	2449,0	60,0	25,0	0,0	0,0
4292	84,4	26,80	2495,3	62,0	27,3	0,0	0,0
4293	78,3	26,80	2495,3	62,0	27,4	0,0	0,0
4294	148,2	26,42	2457,3	61,3	27,4	0,0	0,0
4295	87,7	25,00	2327,3	55,4	27,0	0,0	0,0
4296	90,2	25,00	2327,3	55,4	27,0	0,0	0,0
4297	85,2	24,00	2233,2	54,6	25,4	0,0	0,0
4298	110,9	28,00	2608,0	63,4	28,9	0,0	0,0
4299	150,7	35,22	3278,9	82,2	35,3	0,0	0,0
4300	153,9	35,22	3278,9	82,2	35,3	0,0	0,0
4301	159,1	40,33	3753,1	95,0	40,4	0,0	0,0
4302	138,5	40,33	3753,1	95,0	40,4	0,0	0,0
4303	86,3	47,83	4449,7	114,1	47,3	0,0	0,0
4304	161,1	47,83	4449,7	114,1	47,3	0,0	0,0
4305	121,2	35,12	3259,6	86,3	36,0	0,0	0,0
4306	111,2	47,99	4447,0	120,8	49,9	0,0	0,0
4307	128,0	47,99	4447,0	120,8	49,9	0,0	0,0
4308	66,4	47,99	4447,0	120,8	49,9	0,0	0,0
4309	113,2	43,90	4070,7	108,7	45,8	0,0	0,0
4310	77,9	27,08	2519,2	63,4	27,8	0,0	0,0
4311	119,5	22,37	2000,0	79,0	35,0	0,0	0,0
4312	80,0	9,07	849,0	20,0	8,0	0,0	0,0
4313	73,6	9,22	867,0	20,0	7,0	0,0	0,0
4314	62,2	10,11	950,0	22,0	8,0	0,0	0,0
4315	57,5	9,93	934,0	22,0	7,0	0,0	0,0
4316	62,2	9,85	928,0	21,0	7,0	0,0	0,0
4317	58,7	9,85	928,0	21,0	7,0	0,0	0,0
4318	54,2	12,92	1220,0	28,0	8,0	0,0	0,0
4319	49,9	13,56	1277,0	29,0	10,0	0,0	0,0
4320	58,0	12,59	1184,0	28,0	9,0	0,0	0,0
4321	55,2	14,16	1335,0	30,0	10,0	0,0	0,0
4322	44,0	13,79	1298,0	30,0	10,0	0,0	0,0
4323	55,0	12,47	1174,0	27,0	9,0	0,0	0,0
4324	45,0	12,73	1198,0	28,0	9,0	0,0	0,0
4325	53,5	12,42	1167,0	28,0	9,0	0,0	0,0
4326	53,0	12,12	1142,0	27,0	8,0	0,0	0,0
4327	48,5	12,70	1198,0	28,0	8,0	0,0	0,0
4328	56,3	11,32	1064,0	26,0	8,0	0,0	0,0
4329	66,2	14,07	1324,0	31,0	10,0	0,0	0,0
4330	80,1	15,81	1488,0	35,0	11,0	0,0	0,0
4331	93,6	15,81	1488,0	35,0	11,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4332	80,6	19,08	1787,0	46,0	14,0	0,0	0,0
4333	87,0	21,04	1967,0	52,0	16,0	0,0	0,0
4334	87,2	21,04	1967,0	52,0	16,0	0,0	0,0
4335	88,6	24,57	2283,0	65,0	21,0	0,0	0,0
4336	92,8	24,57	2283,0	65,0	21,0	0,0	0,0
4337	93,3	25,29	2353,0	66,0	21,0	0,0	0,0
4338	100,7	24,94	2315,0	68,0	21,0	0,0	0,0
4339	92,4	24,94	2315,0	68,0	21,0	0,0	0,0
4340	101,1	24,65	2287,0	66,0	22,0	0,0	0,0
4341	113,5	24,65	2287,0	66,0	22,0	0,0	0,0
4342	88,9	25,32	2354,0	66,0	22,0	0,0	0,0
4343	97,8	25,09	2330,0	65,0	23,0	0,0	0,0
4344	95,8	25,09	2330,0	65,0	23,0	0,0	0,0
4345	100,5	25,09	2330,0	65,0	23,0	0,0	0,0
4346	95,5	24,12	2241,0	62,0	22,0	0,0	0,0
4347	97,2	24,12	2241,0	62,0	22,0	0,0	0,0
4348	95,1	23,12	2146,0	59,0	22,0	0,0	0,0
4349	97,6	23,12	2146,0	59,0	22,0	0,0	0,0
4350	95,7	24,58	2282,0	63,0	23,0	0,0	0,0
4351	105,6	24,58	2282,0	63,0	23,0	0,0	0,0
4352	103,3	28,47	2629,0	76,0	30,0	0,0	0,0
4353	105,5	32,90	3024,0	91,0	38,0	0,0	0,0
4354	104,2	32,90	3024,0	91,0	38,0	0,0	0,0
4355	97,3	34,08	3142,0	91,0	38,0	0,0	0,0
4356	114,8	34,08	3142,0	91,0	38,0	0,0	0,0
4357	112,9	35,79	3298,0	93,0	42,0	0,0	0,0
4358	108,7	35,79	3298,0	93,0	42,0	0,0	0,0
4359	115,1	35,84	3300,0	93,0	43,0	0,0	0,0
4360	100,9	35,84	3300,0	93,0	43,0	0,0	0,0
4361	106,8	35,84	3300,0	93,0	43,0	0,0	0,0
4362	97,9	35,69	3285,0	95,0	42,0	0,0	0,0
4363	107,0	35,45	3251,0	96,0	45,0	0,0	0,0
4364	103,8	33,17	3040,0	91,0	42,0	0,0	0,0
4365	128,2	33,17	3040,0	91,0	42,0	0,0	0,0
4366	101,5	31,61	2893,0	89,0	40,0	0,0	0,0
4367	98,9	31,61	2893,0	89,0	40,0	0,0	0,0
4368	107,8	34,86	3192,0	99,0	43,0	0,0	0,0
4369	101,7	34,93	3216,0	91,0	42,0	0,0	0,0
4370	107,3	34,93	3216,0	91,0	42,0	0,0	0,0
4371	98,6	36,54	3352,0	99,0	46,0	0,0	0,0
4372	99,6	36,54	3352,0	99,0	46,0	0,0	0,0
4373	105,4	32,64	2997,0	87,0	41,0	0,0	0,0
4374	102,2	32,64	2997,0	87,0	41,0	0,0	0,0
4375	102,2	32,64	2997,0	87,0	41,0	0,0	0,0
4376	102,2	32,64	2997,0	87,0	41,0	0,0	0,0
4377	102,1	30,79	2825,0	84,0	38,0	0,0	0,0
4378	112,4	30,79	2825,0	84,0	38,0	0,0	0,0
4379	96,8	29,90	2745,0	82,0	36,0	0,0	0,0
4380	104,9	29,00	2665,0	81,0	33,0	0,0	0,0
4381	88,4	27,43	2523,0	74,0	32,0	0,0	0,0
4382	128,3	27,43	2523,0	74,0	32,0	0,0	0,0
4383	117,0	26,92	2470,0	77,0	31,0	0,0	0,0
4384	122,1	24,01	2200,0	74,0	25,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4385	123,7	22,91	2100,0	70,0	24,0	0,0	0,0
4386	121,1	21,71	2000,0	65,0	20,0	0,0	0,0
4387	101,1	20,59	1900,0	60,0	19,0	0,0	0,0
4388	100,9	21,85	2000,0	65,0	25,0	0,0	0,0
4389	121,5	22,96	2100,0	70,0	26,0	0,0	0,0
4390	110,6	25,15	2316,0	70,0	27,0	0,0	0,0
4391	104,0	25,15	2316,0	70,0	27,0	0,0	0,0
4392	110,0	25,15	2316,0	70,0	27,0	0,0	0,0
4393	109,1	22,01	2032,0	61,0	22,0	0,0	0,0
4394	107,3	19,74	1823,0	54,0	20,0	0,0	0,0
4395	91,4	21,81	2021,0	56,0	22,0	0,0	0,0
4396	95,0	24,44	2266,0	63,0	24,0	0,0	0,0
4397	102,3	26,26	2433,0	68,0	26,0	0,0	0,0
4398	91,4	27,75	2572,0	71,0	28,0	0,0	0,0
4399	110,1	33,11	3069,0	85,0	33,0	0,0	0,0
4400	99,9	30,00	2766,0	82,0	32,0	0,0	0,0
4401	105,5	29,75	2745,0	80,0	32,0	0,0	0,0
4402	99,0	26,18	2408,0	73,0	29,0	0,0	0,0
4403	93,2	24,88	2292,0	67,0	28,0	0,0	0,0
4404	105,4	23,54	2176,0	60,0	26,0	0,0	0,0
4405	53,6	33,61	3047,0	98,0	51,0	0,0	0,0
4406	106,7	15,93	1462,0	46,0	18,0	0,0	0,0
4407	98,3	15,93	1462,0	46,0	18,0	0,0	0,0
4408	81,7	14,99	1376,0	43,0	17,0	0,0	0,0
4409	93,2	14,99	1376,0	43,0	17,0	0,0	0,0
4410	83,9	17,93	1657,0	47,0	19,0	0,0	0,0
4411	86,7	17,93	1657,0	47,0	19,0	0,0	0,0
4412	85,1	17,93	1657,0	47,0	19,0	0,0	0,0
4413	81,6	17,13	1580,0	47,0	18,0	0,0	0,0
4414	96,6	17,13	1580,0	47,0	18,0	0,0	0,0
4415	85,3	15,97	1472,0	44,0	17,0	0,0	0,0
4416	98,8	15,97	1472,0	44,0	17,0	0,0	0,0
4417	86,9	18,30	1682,0	52,0	20,0	0,0	0,0
4418	82,3	18,30	1682,0	52,0	20,0	0,0	0,0
4419	82,9	18,30	1682,0	52,0	20,0	0,0	0,0
4420	99,4	18,30	1682,0	52,0	20,0	0,0	0,0
4421	80,2	17,49	1609,0	49,0	19,0	0,0	0,0
4422	88,1	17,49	1609,0	49,0	19,0	0,0	0,0
4423	84,7	17,49	1609,0	49,0	19,0	0,0	0,0
4424	79,7	15,73	1445,0	44,0	18,0	0,0	0,0
4425	83,8	15,73	1445,0	44,0	18,0	0,0	0,0
4426	90,6	13,48	1242,0	38,0	14,0	0,0	0,0
4427	79,7	13,48	1242,0	38,0	14,0	0,0	0,0
4428	73,1	13,82	1268,0	41,0	15,0	0,0	0,0
4429	68,2	13,82	1268,0	41,0	15,0	0,0	0,0
4430	65,4	16,38	1500,0	48,0	19,0	0,0	0,0
4431	90,8	16,38	1500,0	48,0	19,0	0,0	0,0
4432	95,4	19,28	1757,0	59,0	24,0	0,0	0,0
4433	87,3	20,10	1836,0	59,0	25,0	0,0	0,0
4434	88,2	20,10	1836,0	59,0	25,0	0,0	0,0
4435	82,3	20,57	1879,0	60,0	26,0	0,0	0,0
4436	81,5	20,57	1879,0	60,0	26,0	0,0	0,0
4437	81,5	20,57	1879,0	60,0	26,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4438	81,5	20,57	1879,0	60,0	26,0	0,0	0,0
4439	25,2	22,28	2044,0	63,0	26,0	0,0	0,0
4440	86,1	22,28	2044,0	63,0	26,0	0,0	0,0
4441	95,9	22,19	2035,0	63,0	26,0	0,0	0,0
4442	93,3	22,24	2035,0	66,0	26,0	0,0	0,0
4443	83,6	22,18	2034,0	66,0	24,0	0,0	0,0
4444	87,6	20,18	1850,0	59,0	23,0	0,0	0,0
4445	90,9	20,56	1882,0	62,0	23,0	0,0	0,0
4446	91,9	20,56	1882,0	62,0	23,0	0,0	0,0
4447	95,0	23,05	2113,0	66,0	27,0	0,0	0,0
4448	94,7	23,05	2113,0	66,0	27,0	0,0	0,0
4449	78,2	21,52	1980,0	61,0	23,0	0,0	0,0
4450	97,6	22,89	2114,0	61,0	24,0	0,0	0,0
4451	101,7	24,27	2242,0	65,0	25,0	0,0	0,0
4452	89,8	24,27	2242,0	65,0	25,0	0,0	0,0
4453	108,5	26,76	2474,0	70,0	28,0	0,0	0,0
4454	86,3	26,76	2474,0	70,0	28,0	0,0	0,0
4455	86,1	26,98	2489,0	74,0	28,0	0,0	0,0
4456	91,2	27,02	2491,0	75,0	28,0	0,0	0,0
4457	106,1	27,04	2491,0	75,0	29,0	0,0	0,0
4458	87,8	26,42	2430,0	74,0	29,0	0,0	0,0
4459	126,2	26,42	2430,0	74,0	29,0	0,0	0,0
4460	92,6	26,62	2450,0	74,0	29,0	0,0	0,0
4461	92,9	26,62	2450,0	74,0	29,0	0,0	0,0
4462	87,6	26,53	2438,0	76,0	29,0	0,0	0,0
4463	67,3	27,62	2546,0	75,0	30,0	0,0	0,0
4464	95,6	25,73	2374,0	70,0	27,0	0,0	0,0
4465	61,9	25,77	2369,0	72,0	29,0	0,0	0,0
4466	102,6	25,77	2369,0	72,0	29,0	0,0	0,0
4467	83,3	25,88	2380,0	72,0	29,0	0,0	0,0
4468	75,3	25,88	2380,0	72,0	29,0	0,0	0,0
4469	90,3	27,83	2559,0	78,0	31,0	0,0	0,0
4470	90,8	28,32	2607,0	80,0	30,0	0,0	0,0
4471	99,9	28,32	2607,0	80,0	30,0	0,0	0,0
4472	101,8	29,65	2722,0	87,0	32,0	0,0	0,0
4473	115,1	29,65	2722,0	87,0	32,0	0,0	0,0
4474	114,0	28,81	2639,0	85,0	33,0	0,0	0,0
4475	98,6	28,81	2639,0	85,0	33,0	0,0	0,0
4476	110,3	29,25	2690,0	81,0	33,0	0,0	0,0
4477	108,6	28,57	2627,0	80,0	32,0	0,0	0,0
4478	84,7	28,57	2627,0	80,0	32,0	0,0	0,0
4479	83,6	26,45	2431,0	74,0	30,0	0,0	0,0
4480	98,6	28,08	2576,0	81,0	32,0	0,0	0,0
4481	104,7	28,08	2576,0	81,0	32,0	0,0	0,0
4482	97,1	28,65	2636,0	79,0	32,0	0,0	0,0
4483	99,8	26,18	2402,0	75,0	30,0	0,0	0,0
4484	86,2	23,17	2118,0	70,0	27,0	0,0	0,0
4485	89,8	21,98	2000,0	65,0	30,0	0,0	0,0
4486	87,1	19,76	1800,0	60,0	25,0	0,0	0,0
4487	94,6	18,58	1700,0	55,0	22,0	0,0	0,0
4488	87,5	17,58	1600,0	55,0	22,0	0,0	0,0
4489	89,0	16,34	1490,0	50,0	20,0	0,0	0,0
4490	88,4	18,07	1640,0	58,0	23,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4491	74,0	19,22	1749,0	60,0	24,0	0,0	0,0
4492	86,9	24,66	2231,0	81,0	33,0	0,0	0,0
4493	94,4	24,66	2231,0	81,0	33,0	0,0	0,0
4494	72,3	24,03	2179,0	75,0	33,0	0,0	0,0
4495	94,2	23,72	2145,0	75,0	34,0	0,0	0,0
4496	104,8	23,72	2145,0	75,0	34,0	0,0	0,0
4497	88,1	21,26	1912,0	71,0	32,0	0,0	0,0
4498	114,9	21,26	1912,0	71,0	32,0	0,0	0,0
4499	92,2	21,98	1976,0	74,0	33,0	0,0	0,0
4500	89,0	17,79	1595,0	60,0	28,0	0,0	0,0
4501	95,1	20,23	1829,0	66,0	28,0	0,0	0,0
4502	100,0	17,76	1599,0	58,0	27,0	0,0	0,0
4503	121,9	17,76	1599,0	58,0	27,0	0,0	0,0
4504	117,1	13,26	1220,0	38,0	14,0	0,0	0,0
4505	102,2	13,20	1220,0	36,0	13,0	0,0	0,0
4506	105,5	12,01	1112,0	33,0	11,0	0,0	0,0
4507	100,4	12,01	1112,0	33,0	11,0	0,0	0,0
4508	110,1	11,88	1099,0	33,0	11,0	0,0	0,0
4509	96,5	11,88	1099,0	33,0	11,0	0,0	0,0
4510	94,6	12,14	1120,0	34,0	12,0	0,0	0,0
4511	93,3	12,91	1194,0	36,0	12,0	0,0	0,0
4512	89,7	12,93	1194,0	37,0	12,0	0,0	0,0
4513	89,4	12,59	1160,0	37,0	12,0	0,0	0,0
4514	98,6	14,50	1334,0	42,0	15,0	0,0	0,0
4515	92,8	14,50	1334,0	42,0	15,0	0,0	0,0
4516	87,6	14,50	1334,0	42,0	15,0	0,0	0,0
4517	97,2	14,47	1334,0	42,0	14,0	0,0	0,0
4518	88,6	15,93	1471,0	44,0	16,0	0,0	0,0
4519	67,6	15,93	1471,0	44,0	16,0	0,0	0,0
4520	51,3	18,07	1667,0	51,0	18,0	0,0	0,0
4521	92,6	18,07	1667,0	51,0	18,0	0,0	0,0
4522	84,4	23,80	2187,0	68,0	26,0	0,0	0,0
4523	72,2	23,80	2187,0	68,0	26,0	0,0	0,0
4524	93,5	20,99	1933,0	59,0	22,0	0,0	0,0
4525	66,6	19,97	1834,0	59,0	21,0	0,0	0,0
4526	49,8	19,97	1834,0	59,0	21,0	0,0	0,0
4527	81,7	16,94	1553,0	50,0	19,0	0,0	0,0
4528	69,3	16,53	1513,0	49,0	19,0	0,0	0,0
4529	75,0	14,66	1345,0	43,0	16,0	0,0	0,0
4530	79,3	14,66	1345,0	43,0	16,0	0,0	0,0
4531	76,1	13,75	1260,0	40,0	16,0	0,0	0,0
4532	75,0	13,65	1252,0	40,0	15,0	0,0	0,0
4533	81,8	13,65	1252,0	40,0	15,0	0,0	0,0
4534	34,8	11,93	1094,0	34,0	14,0	0,0	0,0
4535	103,8	14,04	1285,0	42,0	16,0	0,0	0,0
4536	90,0	14,04	1285,0	42,0	16,0	0,0	0,0
4537	70,9	14,74	1347,0	45,0	17,0	0,0	0,0
4538	96,7	16,21	1484,0	49,0	18,0	0,0	0,0
4539	70,3	17,96	1644,0	53,0	21,0	0,0	0,0
4540	60,1	17,96	1644,0	53,0	21,0	0,0	0,0
4541	70,0	17,96	1644,0	53,0	21,0	0,0	0,0
4542	111,9	18,10	1660,0	52,0	21,0	0,0	0,0
4543	79,0	18,10	1660,0	52,0	21,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4544	91,5	18,92	1738,0	54,0	21,0	0,0	0,0
4545	91,5	20,67	1900,0	58,0	23,0	0,0	0,0
4546	99,9	20,67	1900,0	58,0	23,0	0,0	0,0
4547	83,6	21,89	2019,0	60,0	23,0	0,0	0,0
4548	77,0	21,89	2019,0	60,0	23,0	0,0	0,0
4549	73,0	20,19	1860,0	57,0	21,0	0,0	0,0
4550	91,9	21,30	1963,0	60,0	22,0	0,0	0,0
4551	80,2	22,33	2051,0	65,0	24,0	0,0	0,0
4552	84,0	22,33	2051,0	65,0	24,0	0,0	0,0
4553	72,0	20,03	1847,0	55,0	21,0	0,0	0,0
4554	83,1	22,16	2046,0	60,0	23,0	0,0	0,0
4555	68,6	22,16	2046,0	60,0	23,0	0,0	0,0
4556	67,3	20,17	1861,0	55,0	21,0	0,0	0,0
4557	87,0	20,95	1933,0	57,0	22,0	0,0	0,0
4558	73,0	23,18	2142,0	63,0	23,0	0,0	0,0
4559	88,8	23,18	2142,0	63,0	23,0	0,0	0,0
4560	81,0	23,63	2185,0	63,0	24,0	0,0	0,0
4561	84,8	23,63	2185,0	63,0	24,0	0,0	0,0
4562	90,3	22,90	2120,0	63,0	21,0	0,0	0,0
4563	86,5	23,11	2139,0	64,0	21,0	0,0	0,0
4564	65,5	25,58	2371,0	68,0	24,0	0,0	0,0
4565	95,0	26,03	2416,0	68,0	24,0	0,0	0,0
4566	117,8	26,03	2416,0	68,0	24,0	0,0	0,0
4567	105,2	26,03	2416,0	68,0	24,0	0,0	0,0
4568	108,9	25,29	2344,0	67,0	24,0	0,0	0,0
4569	99,1	25,29	2344,0	67,0	24,0	0,0	0,0
4570	97,5	23,98	2223,0	64,0	22,0	0,0	0,0
4571	79,8	21,87	2027,0	59,0	20,0	0,0	0,0
4572	92,7	22,18	2053,0	60,0	21,0	0,0	0,0
4573	103,4	22,18	2053,0	60,0	21,0	0,0	0,0
4574	123,8	22,22	2053,0	61,0	22,0	0,0	0,0
4575	101,6	22,07	2038,0	61,0	22,0	0,0	0,0
4576	103,5	21,09	1946,0	59,0	21,0	0,0	0,0
4577	92,9	21,81	2012,0	61,0	22,0	0,0	0,0
4578	83,6	21,81	2012,0	61,0	22,0	0,0	0,0
4579	103,1	23,57	2180,0	64,0	23,0	0,0	0,0
4580	86,5	19,53	1800,0	55,0	20,0	0,0	0,0
4581	81,7	17,67	1624,0	51,0	19,0	0,0	0,0
4582	77,3	17,38	1582,0	58,0	19,0	0,0	0,0
4583	98,6	17,19	1570,0	56,0	18,0	0,0	0,0
4584	90,0	16,43	1500,0	54,0	17,0	0,0	0,0
4585	84,7	14,86	1350,0	50,0	17,0	0,0	0,0
4586	63,6	14,79	1346,0	50,0	16,0	0,0	0,0
4587	73,8	17,54	1611,0	51,0	19,0	0,0	0,0
4588	88,8	17,54	1611,0	51,0	19,0	0,0	0,0
4589	86,7	18,91	1730,0	58,0	21,0	0,0	0,0
4590	109,4	18,95	1734,0	58,0	21,0	0,0	0,0
4591	106,2	19,02	1738,0	58,0	22,0	0,0	0,0
4592	112,0	19,05	1741,0	58,0	22,0	0,0	0,0
4593	91,1	26,96	2414,0	89,0	45,0	0,0	0,0
4594	93,0	16,34	1485,0	51,0	21,0	0,0	0,0
4595	24,2	14,78	1361,0	41,0	16,0	0,0	0,0
4596	34,8	25,91	2373,0	76,0	30,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4597	66,1	26,42	2424,0	76,0	30,0	0,0	0,0
4598	75,7	26,42	2424,0	76,0	30,0	0,0	0,0
4599	76,1	18,83	1738,0	52,0	19,0	0,0	0,0
4600	76,4	18,83	1738,0	52,0	19,0	0,0	0,0
4601	66,5	18,14	1681,0	47,0	18,0	0,0	0,0
4602	46,4	18,51	1725,0	46,0	16,0	0,0	0,0
4603	67,2	19,15	1776,0	50,0	18,0	0,0	0,0
4604	75,5	19,62	1823,0	50,0	18,0	0,0	0,0
4605	63,5	19,72	1823,0	53,0	20,0	0,0	0,0
4606	54,6	19,63	1814,0	53,0	20,0	0,0	0,0
4607	62,5	19,73	1824,0	53,0	20,0	0,0	0,0
4608	75,9	19,73	1824,0	53,0	20,0	0,0	0,0
4609	70,7	16,78	1552,0	46,0	16,0	0,0	0,0
4610	76,5	16,78	1552,0	46,0	16,0	0,0	0,0
4611	77,9	17,32	1592,0	49,0	19,0	0,0	0,0
4612	60,6	17,32	1592,0	49,0	19,0	0,0	0,0
4613	63,4	16,89	1554,0	48,0	18,0	0,0	0,0
4614	59,1	17,47	1605,0	49,0	20,0	0,0	0,0
4615	70,6	17,49	1605,0	50,0	20,0	0,0	0,0
4616	61,2	18,84	1730,0	54,0	21,0	0,0	0,0
4617	66,6	19,16	1757,0	57,0	21,0	0,0	0,0
4618	75,4	19,14	1757,0	57,0	20,0	0,0	0,0
4619	62,2	18,32	1680,0	53,0	21,0	0,0	0,0
4620	53,6	19,58	1793,0	57,0	23,0	0,0	0,0
4621	50,4	19,72	1802,0	60,0	23,0	0,0	0,0
4622	65,5	19,72	1802,0	60,0	23,0	0,0	0,0
4623	68,9	17,79	1625,0	54,0	21,0	0,0	0,0
4624	70,4	17,79	1625,0	54,0	21,0	0,0	0,0
4625	60,9	17,68	1622,0	51,0	20,0	0,0	0,0
4626	57,0	16,67	1527,0	48,0	20,0	0,0	0,0
4627	58,0	16,97	1555,0	49,0	20,0	0,0	0,0
4628	80,2	16,95	1555,0	49,0	19,0	0,0	0,0
4629	47,6	22,60	2077,0	64,0	25,0	0,0	0,0
4630	49,3	22,60	2077,0	64,0	25,0	0,0	0,0
4631	60,4	26,22	2402,0	77,0	30,0	0,0	0,0
4632	45,0	27,89	2556,0	80,0	33,0	0,0	0,0
4633	35,1	28,41	2600,0	83,0	34,0	0,0	0,0
4634	50,0	28,41	2600,0	83,0	34,0	0,0	0,0
4635	51,6	28,01	2562,0	82,0	34,0	0,0	0,0
4636	49,5	26,88	2458,0	77,0	34,0	0,0	0,0
4637	53,7	23,33	2135,0	68,0	28,0	0,0	0,0
4638	49,1	22,29	2039,0	68,0	25,0	0,0	0,0
4639	51,4	18,85	1720,0	57,0	23,0	0,0	0,0
4640	58,8	18,85	1720,0	57,0	23,0	0,0	0,0
4641	73,5	17,26	1573,0	52,0	22,0	0,0	0,0
4642	68,1	16,99	1553,0	51,0	20,0	0,0	0,0
4643	71,4	16,44	1502,0	49,0	20,0	0,0	0,0
4644	76,1	16,33	1495,0	48,0	19,0	0,0	0,0
4645	57,9	15,46	1412,0	46,0	19,0	0,0	0,0
4646	72,1	16,33	1493,0	49,0	19,0	0,0	0,0
4647	76,8	16,33	1493,0	49,0	19,0	0,0	0,0
4648	68,0	16,76	1536,0	49,0	19,0	0,0	0,0
4649	68,7	16,76	1536,0	49,0	19,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4650	76,1	16,00	1471,0	46,0	17,0	0,0	0,0
4651	63,4	16,81	1544,0	49,0	18,0	0,0	0,0
4652	73,3	16,86	1549,0	49,0	18,0	0,0	0,0
4653	65,2	16,82	1549,0	47,0	18,0	0,0	0,0
4654	76,1	18,04	1657,0	53,0	19,0	0,0	0,0
4655	90,6	18,04	1657,0	53,0	19,0	0,0	0,0
4656	91,6	22,47	2053,0	67,0	27,0	0,0	0,0
4657	82,2	24,48	2230,0	76,0	30,0	0,0	0,0
4658	93,6	24,48	2230,0	76,0	30,0	0,0	0,0
4659	75,4	25,95	2356,0	85,0	32,0	0,0	0,0
4660	69,9	26,04	2356,0	85,0	35,0	0,0	0,0
4661	81,9	25,88	2348,0	81,0	35,0	0,0	0,0
4662	65,3	20,54	1860,0	64,0	29,0	0,0	0,0
4663	65,0	18,00	1632,0	56,0	25,0	0,0	0,0
4664	67,2	19,33	1759,0	59,0	25,0	0,0	0,0
4665	70,2	19,33	1759,0	59,0	25,0	0,0	0,0
4666	61,4	16,99	1546,0	52,0	22,0	0,0	0,0
4667	73,4	16,99	1546,0	52,0	22,0	0,0	0,0
4668	63,4	16,38	1510,0	44,0	18,0	0,0	0,0
4669	78,5	16,72	1542,0	45,0	18,0	0,0	0,0
4670	76,1	16,69	1542,0	45,0	17,0	0,0	0,0
4671	90,0	15,30	1412,0	43,0	15,0	0,0	0,0
4672	91,3	18,02	1655,0	53,0	19,0	0,0	0,0
4673	74,5	18,02	1655,0	53,0	19,0	0,0	0,0
4674	79,7	13,18	1200,0	40,0	17,0	0,0	0,0
4675	70,5	13,05	1199,0	35,0	16,0	0,0	0,0
4676	75,6	11,95	1100,0	30,0	15,0	0,0	0,0
4677	68,2	10,83	1000,0	25,0	14,0	0,0	0,0
4678	57,6	10,88	999,0	30,0	13,0	0,0	0,0
4679	77,6	10,33	933,0	36,0	13,0	0,0	0,0
4680	68,6	7,82	685,0	36,0	12,0	0,0	0,0
4681	75,9	7,85	685,0	36,0	13,0	0,0	0,0
4682	70,0	7,86	685,0	35,0	14,0	0,0	0,0
4683	76,6	12,75	1166,0	38,0	15,0	0,0	0,0
4684	74,5	13,56	1241,0	40,0	16,0	0,0	0,0
4685	69,1	13,92	1270,0	42,0	17,0	0,0	0,0
4686	51,6	13,93	1270,0	43,0	17,0	0,0	0,0
4687	77,2	13,79	1256,0	43,0	17,0	0,0	0,0
4688	83,8	14,47	1316,0	46,0	18,0	0,0	0,0
4689	66,6	14,47	1316,0	46,0	17,0	0,0	0,0
4690	66,6	14,47	1316,0	46,0	17,0	0,0	0,0
4691	54,0	7,36	664,1	22,1	11,9	0,0	0,0
4692	44,7	7,65	693,1	22,4	11,9	0,0	0,0
4693	44,7	7,94	722,0	22,6	11,9	0,0	0,0
4694	45,7	8,65	789,5	25,0	11,5	0,0	0,0
4695	48,0	9,07	833,0	25,0	12,0	0,0	0,0
4696	49,8	9,50	872,8	25,0	12,0	0,0	0,0
4697	53,7	9,50	872,8	25,2	12,0	0,0	0,0
4698	63,5	9,41	863,7	25,2	11,9	0,0	0,0
4699	65,1	9,98	919,8	26,0	11,9	0,0	0,0
4700	65,0	9,98	919,8	26,0	11,8	0,0	0,0
4701	64,8	9,83	904,9	25,8	11,7	0,0	0,0
4702	67,8	10,01	918,9	27,5	12,2	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4703	75,2	10,01	918,9	27,5	12,2	0,0	0,0
4704	73,0	10,57	969,8	29,4	12,8	0,0	0,0
4705	88,6	10,57	969,8	29,4	12,8	0,0	0,0
4706	90,9	10,90	1001,9	29,3	13,1	0,0	0,0
4707	83,2	11,40	1053,9	29,3	13,1	0,0	0,0
4708	92,3	11,02	1019,4	27,3	12,2	0,0	0,0
4709	62,6	11,46	1058,3	29,4	12,7	0,0	0,0
4710	82,4	11,46	1058,3	29,4	12,7	0,0	0,0
4711	88,8	11,97	1108,6	29,6	12,8	0,0	0,0
4712	91,6	12,40	1145,1	33,7	12,8	0,0	0,0
4713	83,1	12,40	1145,1	33,7	12,8	0,0	0,0
4714	96,1	12,91	1193,3	33,7	13,6	0,0	0,0
4715	106,9	13,47	1248,2	34,8	13,6	0,0	0,0
4716	85,1	13,47	1248,2	34,8	13,2	0,0	0,0
4717	97,3	13,58	1261,1	34,8	13,2	0,0	0,0
4718	82,7	13,58	1261,1	34,3	13,1	0,0	0,0
4719	84,5	13,79	1282,7	34,0	13,0	0,0	0,0
4720	67,5	13,79	1282,7	34,0	13,0	0,0	0,0
4721	33,1	13,36	1239,7	34,0	13,0	0,0	0,0
4722	83,3	13,36	1239,7	34,0	13,0	0,0	0,0
4723	77,4	14,14	1311,3	37,0	13,2	0,0	0,0
4724	72,3	14,14	1311,3	37,0	13,5	0,0	0,0
4725	63,0	13,36	1233,3	36,8	13,5	0,0	0,0
4726	78,9	13,36	1233,3	36,8	13,5	0,0	0,0
4727	82,1	12,62	1169,0	34,2	13,2	0,0	0,0
4728	59,4	12,57	1169,0	30,9	11,9	0,0	0,0
4729	67,0	12,79	1187,4	32,9	11,9	0,0	0,0
4730	75,8	12,79	1187,4	32,9	11,9	0,0	0,0
4731	79,4	12,79	1187,4	32,9	11,9	0,0	0,0
4732	68,2	12,25	1134,6	32,7	11,5	0,0	0,0
4733	86,3	11,51	1063,6	31,6	11,4	0,0	0,0
4734	85,9	11,36	1051,0	31,6	10,5	0,0	0,0
4735	77,9	10,33	953,4	29,3	9,8	0,0	0,0
4736	65,3	10,33	953,4	29,3	9,9	0,0	0,0
4737	83,9	9,68	890,3	28,5	9,9	0,0	0,0
4738	83,9	8,97	826,3	26,3	8,7	0,0	0,0
4739	77,4	10,62	985,5	27,6	10,1	0,0	0,0
4740	68,5	10,62	985,5	27,6	10,1	0,0	0,0
4741	71,3	9,87	920,4	24,9	8,7	0,0	0,0
4742	81,5	9,87	920,4	24,9	8,2	0,0	0,0
4743	69,0	10,42	971,8	24,9	9,4	0,0	0,0
4744	90,0	12,36	1159,4	30,1	9,4	0,0	0,0
4745	89,0	13,59	1276,8	31,6	9,4	0,0	0,0
4746	87,1	13,59	1276,8	31,6	9,4	0,0	0,0
4747	70,1	13,59	1276,8	31,6	9,4	0,0	0,0
4748	71,0	16,52	1559,4	36,0	10,3	0,0	0,0
4749	76,0	16,52	1559,4	36,0	10,3	0,0	0,0
4750	86,9	16,52	1559,4	36,0	10,3	0,0	0,0
4751	63,6	15,94	1508,0	33,0	10,0	0,0	0,0
4752	66,6	18,27	1732,0	36,0	11,0	0,0	0,0
4753	67,3	16,40	1552,0	34,0	10,0	0,0	0,0
4754	80,0	16,81	1589,0	36,0	10,0	0,0	0,0
4755	89,8	18,12	1708,0	40,0	12,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4756	63,9	17,69	1663,0	41,0	12,0	0,0	0,0
4757	74,4	17,69	1663,0	41,0	12,0	0,0	0,0
4758	78,4	13,91	1303,0	34,0	10,0	0,0	0,0
4759	98,9	11,89	1111,0	30,0	9,0	0,0	0,0
4760	89,5	11,89	1111,0	30,0	9,0	0,0	0,0
4761	93,2	14,15	1322,0	35,0	11,0	0,0	0,0
4762	80,1	11,99	1119,0	31,0	9,0	0,0	0,0
4763	88,5	11,99	1119,0	31,0	9,0	0,0	0,0
4764	94,0	12,14	1132,0	32,0	9,0	0,0	0,0
4765	82,8	11,68	1087,0	30,0	10,0	0,0	0,0
4766	83,6	13,45	1250,0	36,0	11,0	0,0	0,0
4767	91,5	13,45	1250,0	36,0	11,0	0,0	0,0
4768	92,4	14,27	1324,0	39,0	12,0	0,0	0,0
4769	85,5	14,27	1324,0	39,0	12,0	0,0	0,0
4770	86,4	12,57	1169,0	31,0	12,0	0,0	0,0
4771	72,7	12,25	1139,0	31,0	11,0	0,0	0,0
4772	74,5	12,79	1187,0	33,0	12,0	0,0	0,0
4773	68,7	12,79	1187,0	33,0	12,0	0,0	0,0
4774	82,1	12,27	1135,0	33,0	12,0	0,0	0,0
4775	95,7	11,50	1064,0	31,0	11,0	0,0	0,0
4776	87,7	11,36	1051,0	32,0	10,0	0,0	0,0
4777	118,3	10,32	953,0	29,0	10,0	0,0	0,0
4778	113,4	10,32	953,0	29,0	10,0	0,0	0,0
4779	69,8	9,67	890,0	28,0	10,0	0,0	0,0
4780	59,1	8,97	826,0	26,0	9,0	0,0	0,0
4781	75,3	8,97	826,0	26,0	9,0	0,0	0,0
4782	70,9	7,30	680,0	19,0	6,0	0,0	0,0
4783	88,3	8,35	770,0	24,0	8,0	0,0	0,0
4784	71,7	7,99	736,0	23,0	8,0	0,0	0,0
4785	87,1	10,80	966,0	38,0	17,0	0,0	0,0
4786	114,0	10,68	965,0	36,0	14,0	0,0	0,0
4787	99,5	10,68	965,0	36,0	14,0	0,0	0,0
4788	103,0	10,66	973,0	32,0	13,0	0,0	0,0
4789	102,8	10,66	973,0	32,0	13,0	0,0	0,0
4790	95,4	10,68	975,0	32,0	13,0	0,0	0,0
4791	104,2	10,68	975,0	32,0	13,0	0,0	0,0
4792	95,4	10,62	975,0	32,0	11,0	0,0	0,0
4793	97,9	10,62	975,0	32,0	11,0	0,0	0,0
4794	66,5	11,33	1046,0	32,0	11,0	0,0	0,0
4795	100,5	11,33	1046,0	32,0	11,0	0,0	0,0
4796	89,0	11,00	1014,0	31,0	11,0	0,0	0,0
4797	90,7	11,64	1072,0	33,0	12,0	0,0	0,0
4798	84,5	11,64	1072,0	33,0	12,0	0,0	0,0
4799	81,9	10,76	990,0	31,0	11,0	0,0	0,0
4800	113,2	11,17	1031,0	33,0	10,0	0,0	0,0
4801	80,9	11,02	1016,0	33,0	10,0	0,0	0,0
4802	103,1	11,02	1016,0	33,0	10,0	0,0	0,0
4803	82,3	12,61	1170,0	34,0	11,0	0,0	0,0
4804	87,2	12,61	1170,0	34,0	11,0	0,0	0,0
4805	90,3	10,89	1008,0	30,0	10,0	0,0	0,0
4806	83,2	11,92	1104,0	34,0	10,0	0,0	0,0
4807	86,4	11,92	1104,0	34,0	10,0	0,0	0,0
4808	87,7	12,67	1168,0	37,0	12,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4809	92,3	12,85	1189,0	37,0	11,0	0,0	0,0
4810	68,1	12,85	1189,0	37,0	11,0	0,0	0,0
4811	71,9	13,08	1208,0	39,0	11,0	0,0	0,0
4812	97,0	13,47	1246,0	38,0	12,0	0,0	0,0
4813	82,0	13,47	1246,0	38,0	12,0	0,0	0,0
4814	89,4	12,91	1196,0	36,0	11,0	0,0	0,0
4815	97,0	14,14	1311,0	39,0	12,0	0,0	0,0
4816	92,8	14,14	1311,0	39,0	12,0	0,0	0,0
4817	85,6	11,61	1072,0	33,0	11,0	0,0	0,0
4818	85,8	13,78	1274,0	37,0	14,0	0,0	0,0
4819	53,3	14,22	1315,0	40,0	13,0	0,0	0,0
4820	125,4	14,22	1315,0	40,0	13,0	0,0	0,0
4821	83,8	14,09	1304,0	39,0	13,0	0,0	0,0
4822	98,8	14,09	1304,0	39,0	13,0	0,0	0,0
4823	89,6	16,61	1536,0	47,0	15,0	0,0	0,0
4824	100,9	16,61	1536,0	47,0	15,0	0,0	0,0
4825	105,5	16,12	1489,0	46,0	15,0	0,0	0,0
4826	104,5	16,12	1489,0	46,0	15,0	0,0	0,0
4827	99,3	16,99	1571,0	47,0	16,0	0,0	0,0
4828	104,9	17,60	1630,0	48,0	16,0	0,0	0,0
4829	78,1	17,60	1630,0	48,0	16,0	0,0	0,0
4830	78,9	18,43	1709,0	49,0	17,0	0,0	0,0
4831	93,7	18,43	1709,0	49,0	17,0	0,0	0,0
4832	82,9	17,71	1643,0	47,0	16,0	0,0	0,0
4833	83,8	17,71	1643,0	47,0	16,0	0,0	0,0
4834	87,9	16,80	1558,0	45,0	15,0	0,0	0,0
4835	100,3	16,55	1533,0	45,0	15,0	0,0	0,0
4836	90,1	22,11	2053,0	58,0	20,0	0,0	0,0
4837	81,0	22,11	2053,0	58,0	20,0	0,0	0,0
4838	99,5	17,15	1586,0	46,0	17,0	0,0	0,0
4839	97,8	18,12	1678,0	49,0	17,0	0,0	0,0
4840	74,1	18,12	1678,0	49,0	17,0	0,0	0,0
4841	106,3	22,42	2084,0	59,0	19,0	0,0	0,0
4842	87,1	17,02	1574,0	47,0	16,0	0,0	0,0
4843	104,9	17,02	1574,0	47,0	16,0	0,0	0,0
4844	99,4	11,89	1111,0	30,0	9,0	0,0	0,0
4845	103,4	11,89	1111,0	30,0	9,0	0,0	0,0
4846	101,3	14,15	1322,0	35,0	11,0	0,0	0,0
4847	103,7	11,99	1119,0	31,0	9,0	0,0	0,0
4848	106,1	11,99	1119,0	31,0	9,0	0,0	0,0
4849	105,7	12,14	1132,0	32,0	9,0	0,0	0,0
4850	101,3	11,68	1087,0	30,0	10,0	0,0	0,0
4851	111,4	13,45	1250,0	36,0	11,0	0,0	0,0
4852	106,5	19,18	1790,0	47,0	16,0	0,0	0,0
4853	112,2	19,18	1790,0	47,0	16,0	0,0	0,0
4854	138,3	25,05	2341,0	61,0	20,0	0,0	0,0
4855	120,0	25,05	2341,0	61,0	20,0	0,0	0,0
4856	101,9	27,92	2618,0	65,0	21,0	0,0	0,0
4857	103,7	27,92	2618,0	65,0	21,0	0,0	0,0
4858	108,4	30,88	2900,0	70,0	23,0	0,0	0,0
4859	107,4	30,88	2900,0	70,0	23,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4860	113,3	34,09	3200,0	80,0	24,0	0,0	0,0
4861	62,5	36,10	3394,0	81,0	26,0	0,0	0,0
4862	107,6	36,68	3450,4	83,4	25,2	0,0	0,0
4863	82,2	37,52	3528,1	84,9	26,2	0,0	0,0
4864	97,4	37,52	3528,1	84,9	26,2	0,0	0,0
4865	101,4	38,99	3666,0	88,1	27,7	0,0	0,0
4866	97,3	38,99	3666,0	88,1	27,7	0,0	0,0
4867	96,7	35,31	3317,8	80,1	25,4	0,0	0,0
4868	101,1	35,31	3317,8	80,1	25,4	0,0	0,0
4869	107,5	38,37	3605,8	86,5	28,1	0,0	0,0
4870	96,4	38,37	3605,8	86,5	28,1	0,0	0,0
4871	114,3	37,93	3557,3	88,5	28,3	0,0	0,0
4872	101,3	41,31	3866,5	98,1	32,6	0,0	0,0
4873	97,5	41,31	3866,5	98,1	32,6	0,0	0,0
4874	111,9	41,31	3866,5	100,9	32,6	0,0	0,0
4875	108,8	39,98	3728,6	100,9	32,4	0,0	0,0
4876	111,3	43,73	4073,6	111,2	36,9	0,0	0,0
4877	113,4	48,81	4527,4	132,3	42,6	0,0	0,0
4878	91,2	48,81	4527,4	132,3	42,6	0,0	0,0
4879	108,7	48,81	4527,4	132,9	43,8	0,0	0,0
4880	108,7	54,47	5052,2	142,9	50,8	0,0	0,0
4881	95,3	16,65	1525,0	49,0	19,0	0,0	0,0
4882	81,0	16,65	1525,0	49,0	19,0	0,0	0,0
4883	94,0	16,54	1517,0	49,0	18,0	0,0	0,0
4884	100,0	16,54	1517,0	49,0	18,0	0,0	0,0
4885	116,2	17,47	1613,0	49,0	17,0	0,0	0,0
4886	101,4	17,47	1613,0	49,0	17,0	0,0	0,0
4887	92,9	15,48	1426,0	44,0	16,0	0,0	0,0
4888	90,1	15,60	1438,0	45,0	15,0	0,0	0,0
4889	93,0	15,60	1438,0	45,0	15,0	0,0	0,0
4890	102,1	15,97	1471,0	46,0	16,0	0,0	0,0
4891	76,1	15,97	1471,0	46,0	16,0	0,0	0,0
4892	95,9	16,52	1521,0	49,0	16,0	0,0	0,0
4893	94,3	16,20	1501,0	45,0	14,0	0,0	0,0
4894	92,1	16,23	1504,0	45,0	14,0	0,0	0,0
4895	91,7	16,29	1508,0	46,0	14,0	0,0	0,0
4896	63,5	16,32	1511,0	46,0	14,0	0,0	0,0
4897	90,6	16,32	1511,0	46,0	14,0	0,0	0,0
4898	94,9	15,33	1416,0	44,0	14,0	0,0	0,0
4899	96,6	17,02	1575,0	48,0	15,0	0,0	0,0
4900	86,5	17,02	1575,0	48,0	15,0	0,0	0,0
4901	85,9	15,74	1453,0	46,0	14,0	0,0	0,0
4902	92,1	16,55	1524,0	50,0	15,0	0,0	0,0
4903	79,6	16,55	1524,0	50,0	15,0	0,0	0,0
4904	96,0	18,92	1749,0	54,0	17,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4905	100,1	18,92	1749,0	54,0	17,0	0,0	0,0
4906	80,3	18,80	1733,0	56,0	17,0	0,0	0,0
4907	109,3	18,80	1733,0	56,0	17,0	0,0	0,0
4908	93,4	19,55	1806,0	57,0	17,0	0,0	0,0
4909	90,5	19,42	1796,0	54,0	18,0	0,0	0,0
4910	88,3	20,12	1863,0	56,0	18,0	0,0	0,0
4911	102,2	20,12	1863,0	56,0	18,0	0,0	0,0
4912	95,7	18,96	1751,0	55,0	17,0	0,0	0,0
4913	77,0	18,96	1751,0	55,0	17,0	0,0	0,0
4914	109,7	20,20	1864,0	58,0	19,0	0,0	0,0
4915	104,4	22,89	2112,0	67,0	21,0	0,0	0,0
4916	107,7	22,89	2112,0	67,0	21,0	0,0	0,0
4917	101,9	23,21	2136,0	70,0	22,0	0,0	0,0
4918	102,4	23,21	2136,0	70,0	22,0	0,0	0,0
4919	93,7	25,51	2346,0	78,0	24,0	0,0	0,0
4920	103,5	25,51	2346,0	78,0	24,0	0,0	0,0
4921	110,4	26,50	2432,0	82,0	26,0	0,0	0,0
4922	100,4	25,22	2319,0	75,0	25,0	0,0	0,0
4923	88,3	25,22	2319,0	75,0	25,0	0,0	0,0
4924	66,5	25,22	2319,0	75,0	25,0	0,0	0,0
4925	113,5	23,16	2130,0	69,0	23,0	0,0	0,0
4926	77,2	23,27	2136,0	70,0	24,0	0,0	0,0
4927	110,4	20,44	1872,0	64,0	21,0	0,0	0,0
4928	90,0	16,65	1525,0	49,0	19,0	0,0	0,0
4929	117,7	16,54	1517,0	49,0	18,0	0,0	0,0
4930	82,9	16,54	1517,0	49,0	18,0	0,0	0,0
4931	107,2	17,13	1564,0	54,0	19,0	0,0	0,0
4932	109,0	15,79	1439,0	52,0	17,0	0,0	0,0
4933	90,5	15,23	1389,0	49,0	17,0	0,0	0,0
4934	135,9	14,22	1298,0	45,0	16,0	0,0	0,0
4935	90,1	14,59	1324,0	48,0	18,0	0,0	0,0
4936	130,1	15,97	1471,0	46,0	16,0	0,0	0,0
4937	58,4	16,52	1521,0	49,0	16,0	0,0	0,0
4938	123,2	16,20	1501,0	45,0	14,0	0,0	0,0
4939	93,5	16,23	1504,0	45,0	14,0	0,0	0,0
4940	90,1	16,29	1508,0	46,0	14,0	0,0	0,0
4941	129,0	16,32	1511,0	46,0	14,0	0,0	0,0
4942	80,2	16,32	1511,0	46,0	14,0	0,0	0,0
4943	150,6	20,20	1847,0	63,0	22,0	0,0	0,0
4944	101,8	24,28	2224,7	73,4	26,2	0,0	0,0
4945	107,0	24,28	2224,7	73,4	26,2	0,0	0,0
4946	100,7	26,55	2431,6	82,1	28,1	0,0	0,0
4947	127,7	26,55	2431,6	82,1	28,1	0,0	0,0
4948	96,0	26,59	2442,7	80,3	26,7	0,0	0,0
4949	114,6	26,59	2442,7	80,3	26,7	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4950	112,1	22,93	2104,9	70,0	23,2	0,0	0,0
4951	109,1	22,93	2104,9	70,0	23,2	0,0	0,0
4952	105,6	23,50	2165,4	70,0	24,2	0,0	0,0
4953	89,0	25,50	2352,7	73,0	25,7	0,0	0,0
4954	99,1	27,50	2540,0	76,0	27,1	0,0	0,0
4955	122,6	27,50	2540,0	76,0	27,8	0,0	0,0
4956	88,4	26,50	2443,8	72,8	27,8	0,0	0,0
4957	115,8	31,52	2920,1	84,7	29,5	0,0	0,0
4958	120,7	31,52	2920,1	84,7	29,5	0,0	0,0
4959	130,8	34,27	3171,7	93,4	32,2	0,0	0,0
4960	62,0	34,27	3171,7	93,4	32,2	0,0	0,0
4961	125,2	31,13	2878,0	89,0	27,8	0,0	0,0
4962	101,1	28,49	2624,1	83,4	27,8	0,0	0,0
4963	72,2	35,35	3244,7	106,1	36,7	0,0	0,0
4964	78,7	35,35	3244,7	106,1	36,7	0,0	0,0
4965	127,1	38,38	3524,1	116,6	38,8	0,0	0,0
4966	96,1	41,42	3803,4	127,0	40,8	0,0	0,0
4967	93,3	43,65	3998,8	134,1	46,3	0,0	0,0
4968	67,6	44,43	4057,9	141,1	48,6	0,0	0,0
4969	109,7	44,65	4075,6	142,3	49,5	0,0	0,0
4970	93,3	44,87	4093,2	143,4	50,4	0,0	0,0
4971	90,4	44,85	4093,0	143,0	50,0	0,0	0,0
4972	117,6	46,05	4193,0	148,0	54,0	0,0	0,0
4973	90,3	52,43	4770,0	173,0	60,0	0,0	0,0
4974	104,8	41,81	3812,0	133,0	48,0	0,0	0,0
4975	100,8	41,81	3812,0	133,0	48,0	0,0	0,0
4976	95,8	20,77	1900,0	61,0	25,0	0,0	0,0
4977	127,5	20,77	1900,0	61,0	25,0	0,0	0,0
4978	81,8	22,39	2057,0	62,0	26,0	0,0	0,0
4979	94,5	27,31	2508,0	76,0	32,0	0,0	0,0
4980	109,0	26,76	2460,0	75,0	30,0	0,0	0,0
4981	92,6	22,42	2048,0	67,0	27,0	0,0	0,0
4982	51,8	23,65	2162,0	71,0	28,0	0,0	0,0
4983	65,5	23,65	2162,0	71,0	28,0	0,0	0,0
4984	87,7	17,95	1634,0	55,0	23,0	0,0	0,0
4985	95,3	18,99	1730,0	58,0	24,0	0,0	0,0
4986	107,9	15,69	1422,0	50,0	21,0	0,0	0,0
4987	91,1	16,32	1511,0	46,0	14,0	0,0	0,0
4988	101,6	20,20	1847,0	63,0	22,0	0,0	0,0
4989	83,8	10,77	978,0	34,0	14,0	0,0	0,0
4990	91,9	10,77	978,0	34,0	14,0	0,0	0,0
4991	92,3	11,14	1011,0	36,0	14,0	0,0	0,0
4992	95,5	9,63	870,0	32,0	13,0	0,0	0,0
4993	97,8	13,14	1192,0	42,0	17,0	0,0	0,0
4994	102,0	14,85	1344,0	50,0	19,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
4995	92,6	16,56	1497,0	57,0	21,0	0,0	0,0
4996	93,3	17,96	1614,9	62,5	25,5	0,0	0,0
4997	87,1	20,92	1875,0	73,3	31,6	0,0	0,0
4998	90,0	24,06	2148,7	87,5	36,9	0,0	0,0
4999	84,3	24,06	2148,7	87,5	38,8	0,0	0,0
5000	89,7	23,83	2121,0	87,5	38,8	0,0	0,0
5001	100,0	20,48	1820,9	77,3	32,6	0,0	0,0
5002	100,8	18,83	1663,7	73,4	32,3	0,0	0,0
5003	77,9	17,21	1534,0	61,5	28,5	0,0	0,0
5004	100,5	14,49	1286,5	53,1	24,9	0,0	0,0
5005	98,5	12,93	1145,1	48,1	22,8	0,0	0,0
5006	96,5	12,93	1145,1	48,1	22,8	0,0	0,0
5007	102,7	12,77	1131,7	47,3	22,5	0,0	0,0
5008	74,7	12,62	1118,4	46,5	22,1	0,0	0,0
5009	95,0	12,46	1105,0	45,6	21,8	0,0	0,0
5010	121,5	12,30	1091,6	44,8	21,4	0,0	0,0
5011	100,0	15,68	1407,0	55,0	23,0	0,0	0,0
5012	95,0	15,68	1407,0	55,0	23,0	0,0	0,0
5013	95,5	15,68	1407,0	55,0	23,0	0,0	0,0
5014	110,1	9,07	835,0	25,0	10,0	0,0	0,0
5015	50,0	8,50	781,0	25,0	9,0	0,0	0,0
5016	65,0	8,50	781,0	25,0	9,0	0,0	0,0
5017	80,0	11,34	1048,0	31,0	11,0	0,0	0,0
5018	85,0	12,70	1175,0	35,0	12,0	0,0	0,0
5019	83,7	12,70	1175,0	35,0	12,0	0,0	0,0
5020	105,5	14,39	1335,0	38,0	13,0	0,0	0,0
5021	100,5	15,76	1467,0	41,0	13,0	0,0	0,0
5022	96,9	15,76	1467,0	41,0	13,0	0,0	0,0
5023	88,4	16,10	1500,0	43,0	12,0	0,0	0,0
5024	100,2	13,81	1286,0	36,0	11,0	0,0	0,0
5025	107,7	13,81	1286,0	36,0	11,0	0,0	0,0
5026	101,0	20,87	1950,0	52,0	16,0	0,0	0,0
5027	62,1	20,87	1950,0	52,0	16,0	0,0	0,0
5028	71,2	21,92	2052,0	54,0	16,0	0,0	0,0
5029	95,1	21,21	1984,0	52,0	16,0	0,0	0,0
5030	114,2	21,52	2016,0	53,0	15,0	0,0	0,0
5031	55,2	22,06	2066,0	55,0	15,0	0,0	0,0
5032	92,1	22,06	2066,0	55,0	15,0	0,0	0,0
5033	87,4	22,65	2126,0	56,0	14,0	0,0	0,0
5034	81,0	23,22	2179,0	57,0	15,0	0,0	0,0
5035	72,6	23,22	2179,0	57,0	15,0	0,0	0,0
5036	82,0	5,85	545,0	16,0	4,0	0,0	0,0
5037	75,4	4,98	462,0	14,0	4,0	0,0	0,0
5038	72,6	5,88	546,0	16,0	5,0	0,0	0,0
5039	49,9	4,94	458,0	14,0	4,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5040	78,4	4,94	458,0	14,0	4,0	0,0	0,0
5041	76,5	4,90	459,0	11,0	4,0	0,0	0,0
5042	97,8	5,99	558,0	15,0	5,0	0,0	0,0
5043	120,5	5,66	530,0	14,0	4,0	0,0	0,0
5044	122,4	5,54	520,0	13,0	4,0	0,0	0,0
5045	90,2	5,43	510,0	14,0	3,0	0,0	0,0
5046	105,4	5,30	500,0	12,0	3,0	0,0	0,0
5047	94,9	4,80	450,0	12,0	3,0	0,0	0,0
5048	108,9	4,33	400,0	14,0	3,0	0,0	0,0
5049	128,3	4,85	450,0	15,0	3,0	0,0	0,0
5050	83,8	5,59	525,0	13,0	4,0	0,0	0,0
5051	89,1	5,59	525,0	13,0	4,0	0,0	0,0
5052	88,4	5,40	508,0	13,0	3,0	0,0	0,0
5053	82,9	5,79	543,0	14,0	4,0	0,0	0,0
5054	96,6	5,79	543,0	14,0	4,0	0,0	0,0
5055	88,5	6,09	574,0	15,0	3,0	0,0	0,0
5056	88,8	6,09	574,0	15,0	3,0	0,0	0,0
5057	96,2	6,35	594,0	15,0	5,0	0,0	0,0
5058	87,8	6,30	590,0	16,0	4,0	0,0	0,0
5059	82,2	6,30	590,0	16,0	4,0	0,0	0,0
5060	100,6	6,31	591,0	16,0	4,0	0,0	0,0
5061	73,9	7,11	668,0	18,0	4,0	0,0	0,0
5062	93,7	7,11	668,0	18,0	4,0	0,0	0,0
5063	72,9	7,79	725,0	21,0	6,0	0,0	0,0
5064	122,0	7,79	725,0	21,0	6,0	0,0	0,0
5065	88,2	7,79	725,0	21,0	6,0	0,0	0,0
5066	31,9	8,88	822,0	26,0	7,0	0,0	0,0
5067	89,9	8,88	822,0	26,0	7,0	0,0	0,0
5068	71,9	9,90	919,0	29,0	7,0	0,0	0,0
5069	100,0	9,90	919,0	29,0	7,0	0,0	0,0
5070	103,9	10,49	971,0	30,0	9,0	0,0	0,0
5071	99,0	4,88	449,0	14,0	5,0	0,0	0,0
5072	85,9	4,88	449,0	14,0	5,0	0,0	0,0
5073	104,1	4,88	449,0	14,0	5,0	0,0	0,0
5074	83,6	5,20	478,0	16,0	5,0	0,0	0,0
5075	94,4	5,20	478,0	16,0	5,0	0,0	0,0
5076	90,7	5,75	534,0	15,0	5,0	0,0	0,0
5077	90,4	5,66	524,0	16,0	5,0	0,0	0,0
PALEGREDA FORMATION							
5078	82,9	5,66	524,0	16,0	5,0	0,0	0,0
5079	99,0	5,32	494,0	15,0	4,0	0,0	0,0
5080	78,5	5,65	527,0	15,0	4,0	0,0	0,0
5081	54,3	5,65	527,0	15,0	4,0	0,0	0,0
5082	85,4	5,40	506,0	13,0	4,0	0,0	0,0
5083	78,7	5,24	491,0	14,0	3,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5084	63,3	5,47	511,0	14,0	4,0	0,0	0,0
5085	74,3	5,56	523,0	14,0	3,0	0,0	0,0
5086	85,2	5,56	523,0	14,0	3,0	0,0	0,0
5087	68,2	5,57	521,0	14,0	4,0	0,0	0,0
5088	71,0	6,30	590,0	16,0	4,0	0,0	0,0
5089	70,6	6,30	590,0	16,0	4,0	0,0	0,0
5090	61,6	6,84	644,0	16,0	4,0	0,0	0,0
5091	59,0	6,68	626,0	16,0	5,0	0,0	0,0
5092	70,4	6,48	608,0	16,0	4,0	0,0	0,0
5093	74,9	7,10	662,0	19,0	5,0	0,0	0,0
5094	72,7	7,10	662,0	19,0	5,0	0,0	0,0
5095	57,8	6,59	619,0	16,0	4,0	0,0	0,0
5096	50,1	6,24	584,0	16,0	4,0	0,0	0,0
5097	62,3	5,94	554,0	16,0	4,0	0,0	0,0
5098	75,6	6,40	600,0	16,0	4,0	0,0	0,0
5099	84,3	6,12	577,0	15,0	3,0	0,0	0,0
5100	69,4	6,12	577,0	15,0	3,0	0,0	0,0
5101	72,4	6,40	597,0	18,0	4,0	0,0	0,0
5102	47,1	6,43	602,0	17,0	4,0	0,0	0,0
5103	74,3	6,10	569,0	17,0	4,0	0,0	0,0
5104	72,9	6,65	619,0	18,0	5,0	0,0	0,0
5105	62,4	6,91	648,0	18,0	4,0	0,0	0,0
5106	69,3	6,91	648,0	18,0	4,0	0,0	0,0
5107	71,6	6,41	600,0	17,0	4,0	0,0	0,0
5108	82,0	5,93	551,0	16,0	5,0	0,0	0,0
5109	74,7	6,20	578,0	16,0	5,0	0,0	0,0
5110	74,5	6,20	578,0	16,0	5,0	0,0	0,0
5111	66,3	6,66	620,0	18,0	5,0	0,0	0,0
5112	58,3	6,66	620,0	18,0	5,0	0,0	0,0
5113	56,8	5,86	542,0	17,0	5,0	0,0	0,0
5114	62,4	5,81	539,0	16,0	5,0	0,0	0,0
5115	62,6	6,41	598,0	18,0	4,0	0,0	0,0
5116	57,3	6,28	582,0	18,0	5,0	0,0	0,0
5117	58,9	6,10	566,0	17,0	5,0	0,0	0,0
5118	63,1	5,76	534,0	16,0	5,0	0,0	0,0
5119	61,3	5,99	553,0	18,0	5,0	0,0	0,0
5120	53,2	5,99	553,0	18,0	5,0	0,0	0,0
5121	59,4	5,48	510,0	15,0	4,0	0,0	0,0
5122	63,0	5,80	540,0	16,0	4,0	0,0	0,0
5123	59,1	5,50	512,0	15,0	4,0	0,0	0,0
5124	58,4	5,50	512,0	15,0	4,0	0,0	0,0
5125	61,6	5,64	523,0	17,0	4,0	0,0	0,0
5126	54,9	5,64	523,0	17,0	4,0	0,0	0,0
5127	58,1	5,77	537,0	16,0	4,0	0,0	0,0
5128	59,9	6,31	585,0	18,0	5,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5129	59,0	6,34	585,0	18,0	6,0	0,0	0,0
5130	45,2	6,05	558,0	17,0	6,0	0,0	0,0
5131	78,7	6,12	568,0	17,0	5,0	0,0	0,0
5132	80,4	6,13	567,0	18,0	5,0	0,0	0,0
5133	77,0	6,16	572,0	17,0	5,0	0,0	0,0
5134	93,9	6,16	572,0	17,0	5,0	0,0	0,0
5135	88,1	6,13	571,0	16,0	5,0	0,0	0,0
5136	72,9	5,61	520,0	15,0	5,0	0,0	0,0
5137	78,3	5,61	520,0	15,0	5,0	0,0	0,0
5138	84,3	5,69	529,0	16,0	4,0	0,0	0,0
5139	86,4	5,62	522,0	16,0	4,0	0,0	0,0
5140	83,4	5,62	522,0	16,0	4,0	0,0	0,0
5141	97,4	5,98	557,0	17,0	4,0	0,0	0,0
5142	64,6	5,92	551,0	17,0	4,0	0,0	0,0
5143	84,9	5,78	538,0	16,0	4,0	0,0	0,0
5144	78,0	4,38	404,0	13,0	4,0	0,0	0,0
5145	75,6	4,26	400,0	10,0	3,0	0,0	0,0
5146	73,6	4,04	380,0	9,0	3,0	0,0	0,0
5147	75,7	4,13	389,0	9,0	3,0	0,0	0,0
5148	64,4	4,43	410,0	14,0	3,0	0,0	0,0
5149	68,3	4,35	405,0	12,0	3,0	0,0	0,0
5150	75,7	4,65	429,0	14,0	4,0	0,0	0,0
5151	73,6	4,65	429,0	14,0	4,0	0,0	0,0
5152	81,0	4,87	451,0	14,0	4,0	0,0	0,0
5153	88,7	4,60	428,0	13,0	3,0	0,0	0,0
5154	66,5	5,61	520,0	15,0	5,0	0,0	0,0
5155	58,6	4,74	441,0	14,0	3,0	0,0	0,0
5156	50,0	5,87	547,0	16,0	4,0	0,0	0,0
5157	69,6	5,28	492,0	14,0	4,0	0,0	0,0
5158	73,0	4,20	390,0	12,0	3,0	0,0	0,0
5159	79,3	4,26	392,0	13,0	4,0	0,0	0,0
5160	77,3	4,29	395,0	13,0	4,0	0,0	0,0
5161	77,5	4,08	380,0	11,0	3,0	0,0	0,0
5162	80,4	4,26	394,0	12,0	4,0	0,0	0,0
5163	76,8	4,26	394,0	12,0	4,0	0,0	0,0
5164	84,5	7,33	680,0	22,0	5,0	0,0	0,0
5165	70,0	1,72	158,0	5,0	2,0	0,0	0,0
5166	27,9	2,32	214,0	7,0	2,0	0,0	0,0
5167	59,2	2,52	229,0	8,0	3,0	0,0	0,0
5168	47,9	2,79	259,0	8,0	2,0	0,0	0,0
5169	68,4	2,72	249,0	8,0	3,0	0,0	0,0
5170	57,3	2,89	265,0	9,0	3,0	0,0	0,0
5171	84,2	2,89	265,0	9,0	3,0	0,0	0,0
5172	69,4	3,01	277,0	9,0	3,0	0,0	0,0
5173	81,2	3,11	287,0	9,0	3,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5174	74,4	3,45	315,0	12,0	3,0	0,0	0,0
5175	63,4	3,44	316,0	11,0	3,0	0,0	0,0
5176	65,9	3,44	316,0	11,0	3,0	0,0	0,0
5177	64,5	3,86	356,0	12,0	3,0	0,0	0,0
5178	58,0	4,36	406,0	12,0	3,0	0,0	0,0
5179	74,6	4,54	420,0	13,0	4,0	0,0	0,0
5180	70,6	4,16	380,0	14,0	4,0	0,0	0,0
5181	56,6	3,07	282,0	11,0	2,0	0,0	0,0
5182	86,6	3,28	299,0	10,0	4,0	0,0	0,0
5183	72,4	4,10	376,0	13,0	4,0	0,0	0,0
5184	79,6	4,10	376,0	13,0	4,0	0,0	0,0
5185	61,7	4,89	448,0	15,0	5,0	0,0	0,0
5186	51,9	4,39	401,0	15,0	4,0	0,0	0,0
5187	63,1	4,73	432,0	15,0	5,0	0,0	0,0
5188	74,6	4,73	432,0	15,0	5,0	0,0	0,0
5189	71,8	5,14	472,0	16,0	5,0	0,0	0,0
5190	61,4	5,13	469,0	17,0	5,0	0,0	0,0
5191	64,3	4,71	431,0	16,0	4,0	0,0	0,0
5192	54,3	4,92	448,0	17,0	5,0	0,0	0,0
5193	61,0	4,66	424,0	16,0	5,0	0,0	0,0
5194	63,0	4,40	399,0	15,0	5,0	0,0	0,0
5195	55,9	4,41	399,0	16,0	5,0	0,0	0,0
5196	48,1	4,91	449,0	16,0	5,0	0,0	0,0
5197	81,2	6,14	562,0	20,0	6,0	0,0	0,0
5198	77,6	5,87	535,0	20,0	6,0	0,0	0,0
5199	59,3	6,15	563,0	20,0	6,0	0,0	0,0
5200	54,3	5,88	536,0	20,0	6,0	0,0	0,0
5201	70,3	5,88	536,0	20,0	6,0	0,0	0,0
5202	65,9	7,28	669,0	22,0	7,0	0,0	0,0
5203	52,8	12,01	1116,0	32,0	10,0	0,0	0,0
5204	50,9	12,01	1116,0	32,0	10,0	0,0	0,0
5205	42,6	12,68	1178,0	35,0	10,0	0,0	0,0
5206	55,0	12,68	1178,0	35,0	10,0	0,0	0,0
5207	70,8	12,84	1190,0	37,0	10,0	0,0	0,0
5208	56,2	12,89	1196,0	35,0	11,0	0,0	0,0
5209	43,3	12,25	1132,0	35,0	11,0	0,0	0,0
5210	37,5	12,56	1157,0	37,0	12,0	0,0	0,0
5211	59,1	12,91	1192,0	37,0	12,0	0,0	0,0
5212	51,4	13,59	1250,0	41,0	13,0	0,0	0,0
5213	59,8	15,76	1451,0	47,0	15,0	0,0	0,0
5214	61,6	17,89	1649,0	52,0	17,0	0,0	0,0
5215	57,1	18,22	1675,0	53,0	19,0	0,0	0,0
5216	62,3	17,42	1598,0	53,0	18,0	0,0	0,0
5217	60,7	15,23	1393,0	48,0	16,0	0,0	0,0
5218	45,9	15,24	1394,0	48,0	16,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5219	79,9	15,24	1394,0	48,0	16,0	0,0	0,0
5220	74,7	14,71	1341,0	48,0	16,0	0,0	0,0
5221	82,9	13,89	1265,0	45,0	16,0	0,0	0,0
5222	77,1	12,73	1155,0	43,0	15,0	0,0	0,0
5223	81,7	12,73	1155,0	43,0	15,0	0,0	0,0
5224	72,0	11,95	1082,0	40,0	15,0	0,0	0,0
5225	61,9	10,20	923,0	36,0	12,0	0,0	0,0
5226	34,5	9,46	853,0	32,0	13,0	0,0	0,0
5227	40,0	9,35	842,0	32,0	13,0	0,0	0,0
5228	40,0	9,22	832,0	32,0	12,0	0,0	0,0
5229	40,0	9,12	822,0	32,0	12,0	0,0	0,0
5230	40,0	9,02	812,0	32,0	12,0	0,0	0,0
5231	40,0	8,89	802,0	32,0	11,0	0,0	0,0
5232	42,8	8,42	754,0	31,0	12,0	0,0	0,0
5233	57,8	9,51	859,0	33,0	12,0	0,0	0,0
5234	47,6	8,76	788,0	31,0	12,0	0,0	0,0
5235	51,4	10,09	910,0	37,0	12,0	0,0	0,0
5236	49,2	10,16	912,0	37,0	14,0	0,0	0,0
5237	25,5	8,95	809,0	31,0	11,0	0,0	0,0
5238	32,3	9,06	813,0	32,0	13,0	0,0	0,0
5239	40,9	8,67	781,0	30,0	12,0	0,0	0,0
5240	55,6	9,53	861,0	33,0	12,0	0,0	0,0
5241	61,1	9,47	857,0	32,0	12,0	0,0	0,0
5242	54,2	9,61	867,0	34,0	12,0	0,0	0,0
5243	54,8	10,61	957,0	37,0	14,0	0,0	0,0
5244	75,3	10,78	971,0	37,0	15,0	0,0	0,0
5245	67,8	9,05	813,0	33,0	12,0	0,0	0,0
5246	67,2	8,10	725,0	29,0	12,0	0,0	0,0
5247	48,4	8,13	728,0	29,0	12,0	0,0	0,0
5248	34,9	6,19	543,0	24,0	12,0	0,0	0,0
5249	68,9	6,13	542,0	23,0	11,0	0,0	0,0
5250	57,3	6,10	541,0	22,0	11,0	0,0	0,0
5251	44,8	6,68	600,0	21,0	11,0	0,0	0,0
5252	44,4	9,60	874,0	30,0	12,0	0,0	0,0
5253	50,5	11,46	1042,0	37,0	14,0	0,0	0,0
5254	46,3	11,46	1042,0	37,0	14,0	0,0	0,0
5255	46,0	11,99	1091,0	39,0	14,0	0,0	0,0
5256	48,1	11,45	1039,0	38,0	14,0	0,0	0,0
5257	40,6	11,18	1014,0	37,0	14,0	0,0	0,0
5258	52,1	15,52	1384,0	59,0	23,0	0,0	0,0
5259	66,6	3,08	270,0	12,0	6,0	0,0	0,0
5260	49,6	3,17	277,0	13,0	6,0	0,0	0,0
5261	51,0	3,26	284,0	13,0	7,0	0,0	0,0
5262	61,0	4,56	404,0	17,0	8,0	0,0	0,0
5263	60,2	4,25	380,0	16,0	6,0	0,0	0,0
5264	56,6	5,30	475,0	20,0	7,0	0,0	0,0
5265	45,6	4,96	442,0	18,0	8,0	0,0	0,0
5266	42,1	5,91	534,0	21,0	7,0	0,0	0,0
5267	44,4	6,45	579,0	23,0	9,0	0,0	0,0
5268	44,4	5,75	520,0	20,0	7,0	0,0	0,0
5269	36,3	6,66	605,0	22,0	8,0	0,0	0,0
5270	49,4	7,35	666,0	25,0	9,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5271	38,0	6,52	588,0	22,0	9,0	0,0	0,0
5272	42,1	6,63	595,0	24,0	9,0	0,0	0,0
5273	54,1	5,95	531,0	22,0	9,0	0,0	0,0
5274	48,6	5,95	531,0	22,0	9,0	0,0	0,0
5275	44,2	5,13	454,0	19,0	9,0	0,0	0,0
5276	39,6	5,36	474,0	21,0	9,0	0,0	0,0
5277	44,8	5,12	452,0	20,0	9,0	0,0	0,0
5278	47,1	5,95	525,0	24,0	10,0	0,0	0,0
5279	46,5	5,56	488,0	23,0	10,0	0,0	0,0
5280	35,8	5,56	488,0	23,0	10,0	0,0	0,0
5281	37,1	2,63	221,0	13,0	7,0	0,0	0,0
5282	40,3	3,47	297,0	16,0	8,0	0,0	0,0
5283	32,9	2,40	204,0	11,0	6,0	0,0	0,0
5284	30,8	2,00	168,0	10,0	5,0	0,0	0,0
5285	37,8	2,09	177,0	10,0	5,0	0,0	0,0
5286	30,7	2,76	234,0	13,0	7,0	0,0	0,0
5287	32,8	5,78	511,0	22,0	10,0	0,0	0,0
5288	41,4	7,70	690,0	28,0	11,0	0,0	0,0
5289	44,5	4,71	414,0	18,0	9,0	0,0	0,0
5290	40,7	3,80	332,0	16,0	7,0	0,0	0,0
5291	47,5	4,29	377,0	17,0	8,0	0,0	0,0
5292	45,7	4,29	377,0	17,0	8,0	0,0	0,0
5293	45,7	4,29	377,0	17,0	8,0	0,0	0,0
5294	41,0	5,47	488,0	21,0	8,0	0,0	0,0
5295	51,5	5,34	474,0	20,0	9,0	0,0	0,0
5296	47,3	3,78	332,0	15,0	7,0	0,0	0,0
5297	64,3	3,56	310,0	15,0	7,0	0,0	0,0
5298	47,5	5,51	492,0	21,0	8,0	0,0	0,0
5299	60,2	5,51	492,0	21,0	8,0	0,0	0,0
5300	54,8	5,28	470,0	20,0	8,0	0,0	0,0
5301	44,0	6,10	544,0	23,0	9,0	0,0	0,0
5302	45,7	5,96	533,0	23,0	8,0	0,0	0,0
5303	60,7	5,68	505,0	23,0	8,0	0,0	0,0
5304	58,2	5,22	472,0	19,0	6,0	0,0	0,0
5305	69,2	6,79	614,0	24,0	8,0	0,0	0,0
5306	51,4	6,79	614,0	24,0	8,0	0,0	0,0
5307	75,8	6,28	567,0	22,0	8,0	0,0	0,0
5308	77,6	6,89	620,0	25,0	9,0	0,0	0,0
5309	81,8	6,89	620,0	25,0	9,0	0,0	0,0
5310	78,7	6,86	623,0	23,0	8,0	0,0	0,0
5311	67,8	6,24	565,0	21,0	8,0	0,0	0,0
5312	78,7	6,24	565,0	21,0	8,0	0,0	0,0
5313	91,1	5,93	538,0	20,0	7,0	0,0	0,0
5314	84,4	6,29	570,0	22,0	7,0	0,0	0,0
5315	79,9	6,29	570,0	22,0	7,0	0,0	0,0
5316	45,1	6,17	560,0	21,0	7,0	0,0	0,0
5317	81,9	6,34	575,0	21,0	8,0	0,0	0,0
5318	66,8	7,20	655,0	24,0	8,0	0,0	0,0
5319	67,1	6,36	577,0	22,0	7,0	0,0	0,0
5320	64,5	6,22	563,0	22,0	7,0	0,0	0,0
5321	85,9	6,22	563,0	22,0	7,0	0,0	0,0
5322	94,0	5,83	522,0	22,0	8,0	0,0	0,0
5323	111,0	5,83	522,0	22,0	8,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5324	120,1	5,17	464,0	19,0	7,0	0,0	0,0
5325	101,7	5,17	464,0	19,0	7,0	0,0	0,0
5326	103,5	4,87	438,0	18,0	6,0	0,0	0,0
5327	129,5	4,87	438,0	18,0	6,0	0,0	0,0
5328	121,3	5,67	512,0	20,0	7,0	0,0	0,0
5329	98,7	5,67	512,0	20,0	7,0	0,0	0,0
5330	99,8	5,70	518,0	20,0	6,0	0,0	0,0
5331	83,5	5,93	532,0	22,0	8,0	0,0	0,0
5332	87,3	5,93	532,0	22,0	8,0	0,0	0,0
5333	86,3	6,07	546,0	22,0	8,0	0,0	0,0
5334	90,9	6,24	561,0	23,0	8,0	0,0	0,0
5335	80,7	6,24	561,0	23,0	8,0	0,0	0,0
5336	93,6	7,83	706,0	28,0	10,0	0,0	0,0
5337	93,0	7,24	653,0	26,0	9,0	0,0	0,0
5338	79,9	7,17	650,0	25,0	8,0	0,0	0,0
5339	54,3	7,15	653,0	24,0	7,0	0,0	0,0
5340	101,1	7,12	654,0	23,0	6,0	0,0	0,0
5341	102,4	6,88	635,0	22,0	5,0	0,0	0,0
5342	75,8	6,75	612,0	26,0	6,0	0,0	0,0
5343	79,2	6,58	602,0	22,0	6,0	0,0	0,0
5344	73,2	5,65	508,0	21,0	7,0	0,0	0,0
5345	75,3	5,74	515,0	21,0	8,0	0,0	0,0
5346	68,3	5,70	507,0	23,0	8,0	0,0	0,0
5347	78,8	5,70	507,0	23,0	8,0	0,0	0,0
5348	81,9	5,63	504,0	21,0	8,0	0,0	0,0
5349	74,0	5,63	504,0	21,0	8,0	0,0	0,0
5350	82,8	5,51	492,0	21,0	8,0	0,0	0,0
5351	90,7	5,42	481,0	22,0	8,0	0,0	0,0
5352	96,6	5,42	481,0	22,0	8,0	0,0	0,0
5353	74,4	4,61	408,0	19,0	7,0	0,0	0,0
5354	87,9	4,61	408,0	19,0	7,0	0,0	0,0
5355	95,5	4,26	383,4	16,0	7,0	0,0	0,0
5356	85,9	5,04	456,7	17,0	6,4	0,0	0,0
5357	81,2	5,04	456,7	17,0	6,4	0,0	0,0
5358	73,3	5,42	490,9	19,5	6,4	0,0	0,0
5359	68,8	5,42	490,9	19,5	6,4	0,0	0,0
5360	75,9	5,34	483,6	18,5	6,4	0,0	0,0
5361	85,5	5,50	497,3	19,5	6,5	0,0	0,0
5362	91,6	5,54	504,0	19,5	6,5	0,0	0,0
5363	80,8	5,54	504,0	18,8	6,6	0,0	0,0
5364	71,2	5,03	452,6	18,0	6,6	0,0	0,0
5365	82,8	5,69	513,1	19,8	7,4	0,0	0,0
5366	86,1	5,69	513,1	20,4	7,4	0,0	0,0
5367	87,9	5,59	502,9	20,4	7,4	0,0	0,0
5368	86,0	5,59	502,9	20,0	7,4	0,0	0,0
5369	78,6	6,79	614,8	23,9	7,8	0,0	0,0
5370	66,5	6,79	614,8	24,4	8,2	0,0	0,0
5371	71,6	6,73	608,0	24,0	8,0	0,0	0,0
5372	79,7	6,79	614,0	24,0	8,0	0,0	0,0
5373	83,7	6,99	631,0	24,0	9,0	0,0	0,0
5374	80,3	6,99	631,0	24,0	9,0	0,0	0,0
5375	74,3	6,23	562,0	22,0	8,0	0,0	0,0
5376	72,8	6,23	562,0	22,0	8,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5377	69,3	7,25	656,0	25,0	9,0	0,0	0,0
5378	83,6	6,57	596,0	22,0	8,0	0,0	0,0
5379	75,5	7,00	630,0	24,0	10,0	0,0	0,0
5380	98,3	7,00	630,0	24,0	10,0	0,0	0,0
5381	81,3	7,21	654,0	25,0	8,0	0,0	0,0
5382	106,0	7,21	654,0	25,0	8,0	0,0	0,0
5383	73,2	6,70	604,0	23,0	9,0	0,0	0,0
5384	96,8	6,84	621,0	23,0	8,0	0,0	0,0
5385	94,3	6,84	621,0	23,0	8,0	0,0	0,0
5386	76,6	6,65	599,0	23,0	9,0	0,0	0,0
5387	97,1	7,29	658,0	26,0	9,0	0,0	0,0
5388	85,5	7,29	658,0	26,0	9,0	0,0	0,0
5389	77,4	7,21	650,0	26,0	9,0	0,0	0,0
5390	100,5	7,37	660,0	26,0	11,0	0,0	0,0
5391	66,3	6,75	607,0	24,0	9,0	0,0	0,0
5392	81,8	6,75	607,0	24,0	9,0	0,0	0,0
5393	82,5	5,73	514,0	21,0	8,0	0,0	0,0
5394	94,3	5,73	514,0	21,0	8,0	0,0	0,0
5395	82,5	6,32	566,0	23,0	9,0	0,0	0,0
5396	75,1	6,09	546,0	23,0	8,0	0,0	0,0
5397	95,7	6,36	573,0	23,0	8,0	0,0	0,0
5398	95,8	6,36	573,0	23,0	8,0	0,0	0,0
5399	100,8	6,08	544,0	22,0	9,0	0,0	0,0
5400	76,5	6,08	544,0	22,0	9,0	0,0	0,0
5401	70,7	5,92	533,0	21,0	8,0	0,0	0,0
5402	82,4	5,92	533,0	21,0	8,0	0,0	0,0
5403	84,1	5,61	506,0	20,0	7,0	0,0	0,0
5404	95,4	5,61	506,0	20,0	7,0	0,0	0,0
5405	76,1	6,21	564,0	21,0	7,0	0,0	0,0
5406	75,9	6,41	584,0	21,0	7,0	0,0	0,0
5407	100,4	6,41	584,0	21,0	7,0	0,0	0,0
5408	61,0	6,60	603,0	21,0	7,0	0,0	0,0
5409	51,2	6,95	632,0	23,0	8,0	0,0	0,0
5410	67,4	7,11	649,0	24,0	7,0	0,0	0,0
5411	53,4	7,11	649,0	24,0	7,0	0,0	0,0
5412	69,6	7,20	664,0	22,0	6,0	0,0	0,0
5413	75,9	7,08	650,0	23,0	6,0	0,0	0,0
5414	77,5	6,69	606,0	23,0	8,0	0,0	0,0
5415	81,5	6,69	606,0	23,0	8,0	0,0	0,0
5416	79,2	6,68	608,0	23,0	7,0	0,0	0,0
5417	81,5	6,58	599,0	22,0	7,0	0,0	0,0
5418	81,5	6,48	589,0	22,0	7,0	0,0	0,0
5419	81,5	6,37	580,0	21,0	7,0	0,0	0,0
5420	95,2	6,37	580,0	21,0	7,0	0,0	0,0
5421	84,3	6,71	610,0	22,0	8,0	0,0	0,0
5422	98,9	5,35	483,0	20,0	6,0	0,0	0,0
5423	96,8	5,35	483,0	20,0	6,0	0,0	0,0
5424	84,0	5,52	500,0	20,0	6,0	0,0	0,0
5425	113,3	9,26	849,0	29,0	9,0	0,0	0,0
5426	100,0	9,26	849,0	29,0	9,0	0,0	0,0
5427	74,3	3,79	338,0	15,0	5,0	0,0	0,0
5428	71,6	3,91	350,0	15,0	5,0	0,0	0,0
5429	86,3	4,23	378,0	16,0	6,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5430	68,9	3,95	350,0	16,0	6,0	0,0	0,0
5431	81,0	3,55	318,0	13,0	5,0	0,0	0,0
5432	66,6	6,95	632,0	23,0	8,0	0,0	0,0
5433	70,1	6,95	632,0	23,0	8,0	0,0	0,0
5434	82,5	6,95	632,0	23,0	8,0	0,0	0,0
5435	86,9	6,78	618,0	23,0	7,0	0,0	0,0
5436	75,4	5,60	507,0	19,0	7,0	0,0	0,0
5437	69,7	5,07	456,0	18,0	7,0	0,0	0,0
5438	57,5	6,10	551,0	22,0	7,0	0,0	0,0
5439	92,9	6,12	551,0	22,0	8,0	0,0	0,0
5440	97,6	6,07	548,0	21,0	8,0	0,0	0,0
5441	91,4	6,07	548,0	21,0	8,0	0,0	0,0
5442	98,5	5,69	511,0	20,0	8,0	0,0	0,0
5443	93,6	5,55	494,0	22,0	8,0	0,0	0,0
5444	94,8	5,96	530,0	23,0	9,0	0,0	0,0
5445	92,3	5,96	530,0	23,0	9,0	0,0	0,0
5446	105,5	6,77	603,0	26,0	10,0	0,0	0,0
5447	84,8	6,77	603,0	26,0	10,0	0,0	0,0
5448	112,0	6,77	603,0	26,0	10,0	0,0	0,0
5449	95,2	6,10	544,0	23,0	9,0	0,0	0,0
5450	109,7	13,43	1187,0	55,0	21,0	0,0	0,0
5451	90,0	4,57	401,0	19,0	8,0	0,0	0,0
5452	48,2	3,49	304,0	16,0	6,0	0,0	0,0
5453	57,8	4,25	370,0	17,0	9,0	0,0	0,0
5454	61,9	3,60	317,0	15,0	6,0	0,0	0,0
5455	27,6	3,07	272,0	12,0	5,0	0,0	0,0
5456	54,8	3,10	275,0	12,0	5,0	0,0	0,0
5457	47,6	3,10	275,0	12,0	5,0	0,0	0,0
5458	39,1	4,06	361,0	16,0	6,0	0,0	0,0
5459	36,8	4,46	394,0	17,0	8,0	0,0	0,0
5460	68,1	4,19	367,0	17,0	8,0	0,0	0,0
5461	36,6	3,82	338,0	14,0	7,0	0,0	0,0
5462	58,0	3,82	338,0	14,0	7,0	0,0	0,0
5463	61,1	3,82	338,0	14,0	7,0	0,0	0,0
5464	64,8	3,21	286,0	12,0	5,0	0,0	0,0
5465	54,5	2,87	255,0	12,0	4,0	0,0	0,0
5466	67,9	1,96	171,0	8,0	4,0	0,0	0,0
5467	57,6	2,27	198,0	10,0	4,0	0,0	0,0
5468	68,6	4,69	426,0	15,0	6,0	0,0	0,0
5469	59,9	5,69	516,0	19,0	7,0	0,0	0,0
5470	86,5	5,69	516,0	19,0	7,0	0,0	0,0
5471	63,3	5,47	494,0	19,0	7,0	0,0	0,0
5472	55,8	6,00	545,0	20,0	7,0	0,0	0,0
5473	62,8	6,03	545,0	20,0	8,0	0,0	0,0
5474	63,8	5,85	527,0	20,0	8,0	0,0	0,0
5475	67,2	4,08	363,0	16,0	6,0	0,0	0,0
5476	73,5	4,08	363,0	16,0	6,0	0,0	0,0
5477	67,3	3,93	348,0	16,0	6,0	0,0	0,0
5478	62,4	3,78	332,0	15,0	7,0	0,0	0,0
5479	89,8	3,78	332,0	15,0	7,0	0,0	0,0
5480	76,1	3,88	342,0	15,0	7,0	0,0	0,0
5481	71,3	3,99	353,0	15,0	7,0	0,0	0,0
5482	64,6	4,09	363,0	15,0	7,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5483	57,8	4,22	374,0	16,0	7,0	0,0	0,0
5484	51,0	4,33	385,0	16,0	7,0	0,0	0,0
5485	44,3	4,43	395,0	16,0	7,0	0,0	0,0
5486	79,4	5,06	450,0	19,0	8,0	0,0	0,0
5487	61,5	5,06	450,0	19,0	8,0	0,0	0,0
5488	83,7	4,44	394,0	17,0	7,0	0,0	0,0
5489	82,0	4,46	394,0	17,0	8,0	0,0	0,0
5490	96,8	4,35	383,0	17,0	8,0	0,0	0,0
5491	87,1	3,98	355,0	15,0	6,0	0,0	0,0
5492	85,0	3,98	355,0	15,0	6,0	0,0	0,0
5493	74,3	3,90	349,0	14,0	6,0	0,0	0,0
5494	80,3	2,56	224,0	10,0	5,0	0,0	0,0
5495	88,0	1,49	130,0	6,0	3,0	0,0	0,0
5496	97,8	1,49	130,0	6,0	3,0	0,0	0,0
5497	92,6	1,68	145,0	7,0	4,0	0,0	0,0
5498	97,8	1,68	145,0	7,0	4,0	0,0	0,0
5499	85,1	1,59	140,0	6,0	3,0	0,0	0,0
5500	90,6	1,59	140,0	6,0	3,0	0,0	0,0
5501	94,1	1,57	138,0	6,0	3,0	0,0	0,0
5502	82,4	1,47	128,0	6,0	3,0	0,0	0,0
5503	122,8	1,90	167,0	7,0	4,0	0,0	0,0
5504	68,9	2,31	204,0	9,0	4,0	0,0	0,0
5505	48,3	2,31	204,0	9,0	4,0	0,0	0,0
5506	67,4	2,99	266,0	11,0	5,0	0,0	0,0
5507	55,8	3,31	296,0	12,0	5,0	0,0	0,0
5508	57,5	3,31	296,0	12,0	5,0	0,0	0,0
5509	56,0	3,87	344,0	15,0	6,0	0,0	0,0
5510	80,5	3,87	344,0	15,0	6,0	0,0	0,0
5511	72,5	3,68	331,0	13,0	5,0	0,0	0,0
5512	81,4	3,25	290,0	12,0	5,0	0,0	0,0
5513	90,0	2,62	233,0	10,0	4,0	0,0	0,0
5514	89,4	2,91	258,0	11,0	5,0	0,0	0,0
5515	76,5	2,91	258,0	11,0	5,0	0,0	0,0
5516	76,6	2,75	244,0	11,0	4,0	0,0	0,0
5517	68,5	4,13	370,0	15,0	6,0	0,0	0,0
5518	90,1	2,99	266,0	11,0	5,0	0,0	0,0
5519	88,1	3,31	296,0	12,0	5,0	0,0	0,0
5520	63,7	1,88	165,0	8,0	3,0	0,0	0,0
5521	63,8	1,88	165,0	8,0	3,0	0,0	0,0
5522	47,8	2,34	205,0	10,0	4,0	0,0	0,0
5523	77,1	2,34	205,0	10,0	4,0	0,0	0,0
5524	69,9	2,34	205,0	10,0	4,0	0,0	0,0
5525	74,8	2,80	247,0	11,0	5,0	0,0	0,0
5526	57,2	3,94	346,0	16,0	7,0	0,0	0,0
5527	76,8	3,94	346,0	16,0	7,0	0,0	0,0
5528	93,6	3,14	277,0	13,0	5,0	0,0	0,0
5529	89,1	3,14	277,0	13,0	5,0	0,0	0,0
5530	72,8	2,94	257,0	13,0	5,0	0,0	0,0
5531	71,3	2,20	188,0	10,0	5,0	0,0	0,0
5532	81,5	1,61	140,0	7,0	3,0	0,0	0,0
5533	84,5	1,63	140,0	7,0	4,0	0,0	0,0
5534	84,5	2,15	188,0	9,0	4,0	0,0	0,0
5535	60,9	2,15	188,0	9,0	4,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5536	45,5	1,53	130,0	7,0	4,0	0,0	0,0
5537	62,8	2,75	244,0	11,0	4,0	0,0	0,0
5538	78,4	2,70	235,0	12,0	5,0	0,0	0,0
5539	85,6	2,70	235,0	12,0	5,0	0,0	0,0
5540	75,4	1,57	138,0	6,0	3,0	0,0	0,0
5541	81,0	1,57	138,0	6,0	3,0	0,0	0,0
5542	83,5	8,56	770,0	30,0	12,0	0,0	0,0
5543	83,5	8,56	770,0	30,0	12,0	0,0	0,0
5544	75,4	7,86	695,0	26,0	9,0	0,0	0,0
5545	42,0	2,28	198,0	10,0	3,0	1,0	0,0
5546	57,2	3,95	351,2	13,4	4,6	1,2	0,7
5547	49,0	2,47	218,9	7,9	2,7	1,3	1,5
5548	8,1	2,31	205,5	6,8	2,6	1,2	1,6
5549	8,0	2,14	192,0	5,8	2,4	1,2	1,7
5550	10,2	1,98	178,6	4,7	2,3	1,1	1,7
5551	5,1	1,81	165,1	3,6	2,1	1,0	1,8
5552	5,2	2,01	175,6	7,0	2,9	1,9	1,6
5553	5,5	2,01	175,6	7,2	2,3	1,5	1,5
5554	6,3	1,42	120,7	5,6	2,0	1,3	1,5
5555	6,1	2,02	175,6	6,9	2,7	1,3	1,8
5556	5,8	1,56	139,1	30,7	6,1	1,7	1,6
5557	10,0	1,61	145,5	6,2	2,1	1,3	1,5
5558	8,0	1,43	125,1	4,1	2,0	0,5	0,7
5559	5,0	1,40	138,0	3,8	2,0	1,0	0,0
5560	48,9	1,63	140,0	7,0	4,0	0,0	0,0
5561	97,7	2,15	188,0	9,0	4,0	0,0	0,0
5562	86,9	2,15	188,0	9,0	4,0	0,0	0,0
5563	35,6	2,42	198,0	10,0	5,0	1,0	2,0
5564	29,7	2,51	205,0	11,0	5,0	1,0	2,0
5565	26,5	1,98	170,0	8,0	2,0	1,0	1,0
5566	78,0	2,13	183,0	9,0	2,0	1,0	1,0
5567	34,3	2,13	183,0	9,0	2,0	1,0	1,0
5568	77,6	4,41	388,0	15,0	5,0	1,0	2,0
5569	45,0	9,31	864,0	24,0	6,0	1,0	1,0
5570	63,3	9,31	864,0	24,0	6,0	1,0	1,0
5571	41,2	9,31	864,0	24,0	6,0	1,0	1,0
5572	25,2	9,20	852,0	26,0	5,0	1,0	1,0
5573	44,2	7,63	700,0	20,0	6,0	3,0	0,0
5574	31,7	4,26	370,0	15,0	6,0	1,0	2,0
5575	43,2	4,84	431,0	16,0	6,0	1,0	1,0
5576	34,1	3,65	320,0	13,0	5,0	1,0	1,0
5577	41,3	3,63	318,0	13,0	5,0	1,0	1,0
5578	29,9	4,49	394,0	17,0	6,0	1,0	1,0
5579	23,4	4,97	433,0	18,0	7,0	1,0	2,0
5580	35,9	7,25	648,0	25,0	9,0	1,0	1,0
5581	41,4	7,63	700,0	20,0	6,0	3,0	0,0
5582	41,1	8,12	724,0	27,0	10,0	1,0	2,0
5583	40,8	9,11	725,0	78,0	11,0	2,0	2,0
5584	45,4	12,39	1113,0	40,0	14,0	2,0	2,0
5585	33,0	11,32	1020,0	38,0	13,0	1,0	1,0
5586	40,4	11,90	1080,0	40,0	14,0	0,0	0,0
5587	33,7	12,22	1085,0	52,0	16,0	0,0	0,0
5588	23,5	12,53	1095,0	65,0	15,0	0,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5589	51,0	12,92	1120,0	70,0	17,0	0,0	0,0
5590	40,6	13,49	1150,0	73,0	25,0	0,0	0,0
5591	41,5	7,56	665,0	28,0	15,0	0,0	0,0
5592	23,0	7,78	667,0	25,0	14,0	3,0	4,0
5593	34,4	10,44	910,0	36,0	15,0	3,0	4,0
5594	35,9	10,35	910,0	36,0	15,0	3,0	2,0
5595	47,8	10,59	933,0	33,0	16,0	4,0	2,0
5596	44,6	12,58	1147,0	25,0	14,0	3,0	4,0
5597	43,1	12,49	1124,0	37,0	6,0	8,0	3,0
5598	35,7	12,39	1113,0	40,0	14,0	2,0	2,0
5599	45,9	14,23	1272,0	48,0	18,0	2,0	2,0
5600	45,3	28,80	2624,0	91,0	31,0	1,0	1,0
5601	21,2	27,27	2500,0	80,0	25,0	3,0	1,0
5602	25,1	3,89	339,0	9,0	7,0	3,0	1,0
5603	43,1	3,59	320,0	8,0	6,0	1,0	1,0
5604	48,2	2,69	245,0	6,0	5,0	0,0	0,0
5605	48,2	2,69	245,0	6,0	5,0	0,0	0,0
5606	35,3	2,19	189,0	5,0	3,0	1,0	2,0
5607	37,5	2,63	229,0	7,0	5,0	1,0	1,0
5608	32,1	4,61	377,0	23,0	7,0	4,0	2,0
5609	22,4	4,49	389,0	17,0	5,0	2,0	2,0
5610	31,1	11,19	998,0	36,0	15,0	2,0	2,0
5611	34,0	8,48	755,0	32,0	7,0	2,0	2,0
5612	29,4	5,82	503,0	23,0	8,0	2,0	2,0
5613	36,0	5,70	500,0	22,0	7,0	2,0	1,0
5614	35,5	7,39	650,0	25,0	9,0	3,0	2,0
5615	31,8	310,02	2653,9	3103,7	4294,9	2061,1	2258,1
5616	29,4	213,46	1741,1	1738,2	1685,4	1770,0	1262,2
5617	35,0	231,76	1870,3	1873,3	1849,3	1894,7	1390,8
5618	31,1	231,76	1870,3	2545,8	1849,3	1894,7	1390,8
5619	25,9	223,23	1838,1	1778,9	3820,0	1836,5	1339,2
5620	17,0	1,93	123,9	23,2	6,2	1,0	1,5
5621	53,5	1,94	124,0	23,0	6,0	1,0	2,0
5622	45,7	3,82	333,0	13,0	5,0	2,0	1,0
5623	54,2	3,72	322,0	14,0	5,0	2,0	1,0
5624	130,4	3,63	321,0	12,0	5,0	2,0	0,0
5625	65,2	4,08	350,0	11,0	7,0	3,0	2,0
5626	69,5	4,57	402,0	15,0	6,0	2,0	1,0
5627	74,8	5,38	473,0	17,0	7,0	3,0	1,0
5628	101,4	6,41	561,0	22,0	9,0	2,0	2,0
5629	62,9	5,41	470,0	26,0	6,0	1,0	1,0
5630	66,5	5,41	470,0	26,0	6,0	1,0	1,0
5631	75,5	9,62	857,0	32,0	12,0	3,0	1,0
5632	47,3	13,49	1200,0	44,0	16,0	5,0	2,0
5633	55,5	16,69	1504,0	52,0	18,0	5,0	1,0
5634	84,8	14,49	1307,0	42,0	16,0	4,0	2,0
5635	114,4	14,43	1296,0	43,0	16,0	5,0	2,0
5636	78,3	14,43	1296,0	43,0	16,0	5,0	2,0
5637	87,6	12,44	1100,0	40,0	15,0	5,0	3,0
5638	62,5	8,79	776,0	30,0	11,0	4,0	1,0
5639	81,7	8,79	776,0	30,0	11,0	4,0	1,0
5640	82,3	7,27	660,0	21,0	5,0	3,0	1,0
5641	77,2	5,95	507,0	29,0	6,0	3,0	2,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5642	62,3	6,63	583,0	24,0	8,0	3,0	1,0
5643	73,5	3,94	306,0	31,0	9,0	1,0	1,0
5644	56,7	3,96	300,0	30,0	7,0	4,0	2,0
5645	63,8	5,47	472,0	19,0	8,0	4,0	1,0
5646	90,0	5,79	496,0	21,0	8,0	3,0	3,0
5647	72,0	5,77	500,0	20,0	8,0	3,0	2,0
5648	63,5	5,66	495,0	18,0	7,0	3,0	2,0
5649	61,6	9,22	804,0	32,0	12,0	4,0	3,0
5650	62,7	13,69	1221,0	44,0	17,0	4,0	2,0
5651	62,5	13,69	1221,0	44,0	17,0	4,0	2,0
5652	60,0	34,36	3168,0	81,0	29,0	6,0	5,0
5653	39,2	10,41	851,0	72,0	15,0	3,0	2,0
5654	72,4	10,41	851,0	72,0	15,0	3,0	2,0
5655	54,8	14,93	1374,0	40,0	10,0	3,0	2,0
5656	72,6	13,38	1204,0	35,0	16,0	4,0	3,0
5657	48,5	12,38	1100,0	30,0	14,0	3,0	8,0
5658	69,4	8,56	776,0	15,0	11,0	4,0	2,0
5659	59,2	8,24	750,0	14,0	9,0	2,0	4,0
5660	58,6	6,60	600,0	13,0	8,0	3,0	1,0
5661	68,2	10,65	1000,0	15,0	7,0	4,0	1,0
5662	70,8	17,35	1660,0	12,0	10,0	5,0	2,0
5663	75,2	17,15	1643,0	10,0	10,0	5,0	2,0
5664	62,1	11,87	1100,0	15,0	11,0	6,0	2,0
5665	1,7	12,42	1150,0	15,0	10,0	7,0	3,0
5666	18,0	11,17	1014,0	18,0	12,0	7,0	3,0
5667	86,4	11,29	1014,0	20,0	15,0	7,0	3,0
5668	57,3	10,63	950,0	21,0	14,0	8,0	2,0
5669	54,7	11,10	1000,0	25,0	10,0	8,0	2,0
5670	53,1	12,11	1100,0	26,0	10,0	8,0	2,0
5671	57,1	13,48	1220,0	27,0	15,0	7,0	3,0
5672	36,2	13,80	1250,0	30,0	14,0	7,0	3,0
5673	48,6	13,81	1260,0	25,0	14,0	7,0	3,0
5674	53,1	15,74	1450,0	25,0	15,0	7,0	3,0
5675	64,8	16,37	1500,0	30,0	15,0	7,0	4,0
5676	69,0	16,62	1510,0	36,0	15,0	8,0	4,0
5677	53,8	15,86	1450,0	35,0	10,0	8,0	4,0
5678	59,5	15,86	1460,0	34,0	10,0	8,0	2,0
5679	67,2	15,72	1470,0	25,0	10,0	6,0	2,0
5680	90,6	16,24	1520,0	26,0	10,0	6,0	2,0
5681	93,8	16,51	1530,0	30,0	12,0	6,0	3,0
5682	19,8	16,65	1540,0	30,0	12,0	7,0	3,0
5683	79,3	17,16	1600,0	25,0	12,0	7,0	3,0
5684	46,6	16,21	1500,0	24,0	13,0	7,0	4,0
5685	67,1	16,63	1540,0	23,0	13,0	8,0	4,0
5686	147,1	15,77	1450,0	24,0	14,0	8,0	4,0
5687	116,0	14,70	1350,0	20,0	14,0	8,0	4,0
5688	124,3	15,69	1450,0	21,0	13,0	8,0	4,0
5689	148,8	16,25	1500,0	23,0	14,0	9,0	3,0
5690	139,7	16,78	1550,0	25,0	14,0	9,0	3,0
5691	113,0	16,91	1560,0	25,0	15,0	9,0	3,0
5692	124,7	16,96	1570,0	26,0	15,0	7,0	3,0
5693	139,0	17,07	1580,0	26,0	14,0	7,0	4,0
5694	109,7	17,31	1600,0	28,0	14,0	7,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5695	121,1	17,46	1610,0	29,0	15,0	7,0	4,0
5696	112,5	17,88	1650,0	30,0	14,0	8,0	4,0
5697	130,2	18,89	1750,0	29,0	15,0	8,0	4,0
5698	103,1	18,45	1710,0	25,0	16,0	8,0	4,0
5699	140,2	18,57	1720,0	25,0	14,0	9,0	5,0
5700	120,3	17,84	1650,0	24,0	15,0	9,0	4,0
5701	121,9	17,37	1600,0	26,0	15,0	9,0	4,0
5702	147,8	17,48	1610,0	25,0	16,0	9,0	4,0
5703	98,4	14,46	1318,0	21,0	15,0	10,0	3,0
5704	111,2	14,45	1318,0	22,0	14,0	10,0	3,0
5705	92,8	12,45	1112,0	22,0	15,0	11,0	3,0
5706	147,3	12,47	1112,0	20,0	14,0	12,0	4,0
5707	155,3	10,55	928,0	21,0	13,0	10,0	4,0
5708	151,4	10,46	928,0	22,0	12,0	9,0	3,0
5709	121,7	10,74	949,0	23,0	14,0	9,0	3,0
5710	204,4	10,76	949,0	24,0	14,0	9,0	3,0
5711	115,3	12,07	1036,0	51,0	12,0	8,0	4,0
5712	140,0	12,07	1036,0	51,0	12,0	8,0	4,0
5713	124,5	15,58	1362,0	64,0	14,0	7,0	4,0
5714	79,4	15,52	1362,0	64,0	12,0	7,0	4,0
5715	67,8	20,52	1763,0	84,0	35,0	7,0	4,0
5716	106,4	18,89	1543,0	106,0	43,0	6,0	4,0
5717	63,5	18,89	1543,0	106,0	43,0	6,0	4,0
5718	85,8	18,89	1543,0	106,0	43,0	6,0	4,0
5719	93,1	16,90	1446,0	68,0	28,0	9,0	3,0
5720	117,2	16,90	1446,0	68,0	28,0	9,0	3,0
5721	109,1	15,33	1309,0	62,0	26,0	8,0	3,0
5722	100,0	13,08	1109,0	55,0	23,0	8,0	2,0
5723	89,3	13,08	1109,0	55,0	23,0	8,0	2,0
5724	97,6	13,08	1109,0	55,0	23,0	8,0	2,0
5725	69,4	11,76	1007,0	50,0	20,0	7,0	0,0
5726	82,2	10,99	935,0	46,0	19,0	7,0	1,0
5727	99,8	10,99	935,0	46,0	19,0	7,0	1,0
5728	93,3	10,64	912,0	44,0	19,0	6,0	0,0
5729	104,6	11,30	960,0	47,0	19,0	7,0	2,0
5730	111,3	11,30	960,0	47,0	19,0	7,0	2,0
5731	149,1	11,30	960,0	47,0	19,0	7,0	2,0
5732	112,9	10,98	944,0	45,0	19,0	6,0	0,0
5733	196,6	11,11	945,0	47,0	19,0	6,0	2,0
5734	205,4	11,11	945,0	47,0	19,0	6,0	2,0
5735	136,0	11,41	969,0	49,0	20,0	7,0	1,0
5736	213,3	11,41	969,0	49,0	20,0	7,0	1,0
5737	125,3	11,50	983,0	49,0	21,0	6,0	0,0
5738	111,9	11,50	983,0	49,0	21,0	6,0	0,0
5739	165,2	11,72	1001,0	49,0	21,0	6,0	1,0
5740	82,2	11,72	1001,0	49,0	21,0	6,0	1,0
5741	96,7	21,03	1815,0	83,0	33,0	10,0	3,0
5742	110,6	21,03	1815,0	83,0	33,0	10,0	3,0
5743	103,7	31,78	2635,0	146,0	69,0	20,0	5,0
5744	93,7	31,78	2635,0	146,0	69,0	20,0	5,0
5745	101,7	39,53	3251,0	188,0	89,0	27,0	6,0
5746	50,6	33,25	2727,0	158,0	76,0	24,0	5,0
5747	82,7	19,31	1591,0	90,0	42,0	13,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5748	67,6	18,68	1545,0	85,0	39,0	13,0	4,0
5749	117,1	18,68	1545,0	85,0	39,0	13,0	4,0
5750	154,9	16,59	1385,0	73,0	33,0	10,0	4,0
5751	124,0	16,49	1400,0	65,0	30,0	8,0	5,0
5752	80,8	16,77	1420,0	68,0	31,0	8,0	5,0
5753	56,3	16,78	1420,0	68,0	30,0	9,0	5,0
5754	95,6	17,02	1450,0	65,0	30,0	9,0	5,0
5755	129,6	16,65	1420,0	64,0	31,0	8,0	4,0
5756	81,1	17,48	1500,0	64,0	32,0	8,0	4,0
5757	103,7	16,89	1450,0	62,0	30,0	8,0	4,0
5758	64,7	17,72	1520,0	65,0	30,0	9,0	5,0
5759	83,1	18,14	1522,0	78,0	36,0	9,0	5,0
5760	90,3	15,29	1287,0	63,0	29,0	9,0	4,0
5761	98,3	15,25	1287,0	63,0	29,0	8,0	4,0
5762	108,3	13,70	1156,0	56,0	25,0	9,0	3,0
5763	136,8	29,99	2506,0	130,0	61,0	20,0	5,0
5764	127,8	29,99	2506,0	130,0	61,0	20,0	5,0
5765	132,3	29,99	2506,0	130,0	61,0	20,0	5,0
5766	90,2	121,74	10308,0	494,0	228,0	71,0	24,0
5767	150,6	121,74	10308,0	494,0	228,0	71,0	24,0
5768	127,2	103,30	8700,0	425,0	198,0	65,0	22,0
5769	176,5	103,30	8700,0	425,0	198,0	65,0	22,0
5770	130,3	103,30	8700,0	425,0	198,0	65,0	22,0
5771	129,1	267,67	22430,0	1240,0	660,0	64,0	21,0
5772	97,1	201,40	16072,0	982,0	500,0	182,0	67,0
5773	107,2	201,40	16072,0	982,0	500,0	182,0	67,0
5774	120,4	55,39	4375,0	270,0	140,0	54,0	24,0
5775	90,0	55,39	4375,0	270,0	140,0	54,0	24,0
5776	82,6	22,43	1630,0	103,0	56,0	50,0	22,0
5777	78,1	13,56	1077,0	63,0	33,0	14,0	6,0
5778	79,4	13,56	1077,0	63,0	33,0	14,0	6,0
5779	94,5	14,06	1143,0	63,0	30,0	13,0	5,0
5780	107,3	14,59	1206,0	64,0	30,0	12,0	3,0
5781	117,2	14,52	1206,0	64,0	29,0	11,0	3,0
5782	81,1	16,41	1344,0	73,0	36,0	14,0	4,0
5783	89,8	16,41	1344,0	73,0	36,0	14,0	4,0
5784	145,9	14,50	1224,0	61,0	26,0	9,0	3,0
5785	129,9	14,50	1224,0	61,0	26,0	9,0	3,0
5786	81,6	16,84	1453,0	66,0	26,0	8,0	3,0
5787	85,5	16,84	1453,0	66,0	26,0	8,0	3,0
5788	80,6	14,70	1276,0	56,0	22,0	7,0	2,0
5789	141,3	12,80	1102,0	52,0	20,0	6,0	2,0
5790	88,8	12,80	1102,0	52,0	20,0	6,0	2,0
5791	92,9	11,94	1021,0	48,0	19,0	6,0	3,0
5792	115,5	11,94	1021,0	48,0	19,0	6,0	3,0
5793	109,9	14,17	1233,0	54,0	21,0	6,0	2,0
5794	110,7	14,17	1233,0	54,0	21,0	6,0	2,0
5795	86,5	18,12	1580,0	69,0	26,0	8,0	2,0
5796	89,2	18,12	1580,0	69,0	26,0	8,0	2,0
5797	69,3	19,15	1675,0	73,0	28,0	8,0	1,0
5798	110,7	17,97	1566,0	68,0	26,0	7,0	3,0
5799	90,4	17,97	1566,0	68,0	26,0	7,0	3,0
5800	67,7	25,84	2223,0	106,0	42,0	12,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5801	61,1	51,16	4147,0	260,0	122,0	38,0	8,0
5802	69,1	50,38	4096,0	253,0	118,0	37,0	8,0
5803	81,7	50,38	4096,0	253,0	118,0	37,0	8,0
5804	69,2	34,40	2834,0	165,0	74,0	23,0	6,0
5805	55,3	31,44	2631,0	142,0	62,0	19,0	5,0
5806	102,5	28,70	2414,0	122,0	61,0	15,0	4,0
5807	96,7	28,67	2414,0	122,0	60,0	15,0	4,0
5808	80,8	26,69	2277,0	112,0	47,0	14,0	3,0
5809	81,6	26,69	2277,0	112,0	47,0	14,0	3,0
5810	81,0	24,09	2051,0	102,0	42,0	12,0	4,0
5811	86,1	24,09	2051,0	102,0	42,0	12,0	4,0
5812	79,5	24,09	2051,0	102,0	42,0	12,0	4,0
5813	80,2	20,54	1746,0	86,0	36,0	12,0	3,0
5814	85,1	20,54	1746,0	86,0	36,0	12,0	3,0
5815	77,6	20,45	1743,0	86,0	35,0	11,0	3,0
5816	89,8	20,45	1743,0	86,0	35,0	11,0	3,0
5817	105,6	20,62	1755,0	87,0	36,0	11,0	3,0
5818	97,1	20,62	1755,0	87,0	36,0	11,0	3,0
5819	77,6	20,62	1755,0	87,0	36,0	11,0	3,0
5820	108,9	16,92	1430,0	73,0	30,0	10,0	3,0
5821	115,9	16,92	1430,0	73,0	30,0	10,0	3,0
5822	122,0	16,92	1430,0	73,0	30,0	10,0	3,0
5823	120,7	16,33	1373,0	72,0	30,0	10,0	3,0
5824	146,1	16,33	1373,0	72,0	30,0	10,0	3,0
5825	128,6	16,33	1373,0	72,0	30,0	10,0	3,0
5826	147,8	15,52	1306,0	68,0	29,0	9,0	3,0
5827	141,1	15,52	1306,0	68,0	29,0	9,0	3,0
5828	140,2	16,39	1397,0	68,0	29,0	9,0	2,0
5829	98,7	16,39	1397,0	68,0	29,0	9,0	2,0
5830	81,6	15,89	1367,0	65,0	25,0	8,0	2,0
5831	115,7	15,66	1367,0	57,0	23,0	7,0	2,0
5832	78,1	13,97	1198,0	57,0	23,0	7,0	2,0
5833	102,5	15,24	1293,0	64,0	26,0	9,0	3,0
5834	107,6	15,24	1293,0	64,0	26,0	9,0	3,0
5835	82,7	16,89	1429,0	72,0	30,0	10,0	3,0
5836	80,9	16,89	1429,0	72,0	30,0	10,0	3,0
5837	116,0	17,68	1497,0	74,0	31,0	10,0	4,0
5838	106,6	17,68	1497,0	74,0	31,0	10,0	4,0
5839	119,8	14,78	1258,0	63,0	26,0	9,0	1,0
5840	98,0	14,78	1258,0	63,0	26,0	9,0	1,0
5841	110,0	12,42	1054,0	53,0	22,0	8,0	1,0
5842	99,9	11,87	1007,0	50,0	21,0	8,0	1,0
5843	109,7	12,34	1048,0	52,0	22,0	8,0	1,0
5844	97,4	12,47	1048,0	53,0	23,0	9,0	2,0
5845	77,4	10,11	842,0	44,0	19,0	7,0	3,0
5846	65,0	9,08	755,0	40,0	17,0	6,0	3,0
5847	112,4	7,94	662,0	34,0	15,0	6,0	2,0
5848	73,9	7,88	662,0	34,0	14,0	5,0	2,0
5849	114,2	8,74	734,0	37,0	16,0	6,0	2,0
5850	95,9	2,65	214,0	11,0	6,0	3,0	1,0
5851	82,3	5,36	447,0	23,0	11,0	5,0	0,0
5852	128,5	5,36	447,0	23,0	11,0	5,0	0,0
5853	146,8	5,27	440,0	23,0	10,0	4,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5854	151,7	24,20	2130,0	96,0	12,0	15,0	7,0
5855	65,4	24,17	2130,0	96,0	11,0	15,0	7,0
5856	131,5	23,24	2000,0	96,0	25,0	16,0	6,0
5857	107,1	22,84	1980,0	85,0	26,0	15,0	6,0
5858	54,6	21,02	1800,0	80,0	26,0	17,0	6,0
5859	158,4	22,62	1950,0	85,0	25,0	18,0	6,0
5860	179,8	21,54	1860,0	75,0	25,0	18,0	6,0
5861	159,6	21,47	1850,0	75,0	28,0	18,0	5,0
5862	109,9	20,31	1750,0	70,0	28,0	16,0	5,0
5863	158,2	19,90	1700,0	75,0	28,0	16,0	5,0
5864	132,2	21,33	1850,0	75,0	24,0	17,0	5,0
5865	113,4	19,90	1700,0	75,0	25,0	17,0	6,0
5866	132,5	21,31	1850,0	70,0	25,0	17,0	6,0
5867	179,1	21,18	1840,0	70,0	24,0	17,0	6,0
5868	131,9	21,50	1841,0	85,0	24,0	18,0	6,0
5869	100,9	20,63	1750,0	85,0	24,0	18,0	7,0
5870	119,3	20,42	1750,0	70,0	26,0	18,0	7,0
5871	103,7	20,44	1750,0	71,0	26,0	18,0	7,0
5872	113,7	19,37	1650,0	71,0	28,0	16,0	6,0
5873	99,6	19,74	1680,0	75,0	25,0	18,0	6,0
5874	133,8	21,91	1890,0	85,0	25,0	15,0	6,0
5875	99,7	19,64	1650,0	85,0	26,0	18,0	6,0
5876	124,6	27,48	2281,0	118,0	59,0	19,0	6,0
5877	132,3	27,69	2281,0	118,0	59,0	25,0	6,0
5878	113,2	13,90	1104,0	56,0	35,0	19,0	5,0
5879	93,3	7,60	650,0	24,0	12,0	6,0	3,0
5880	119,4	7,75	670,0	21,0	12,0	6,0	3,0
5881	108,4	6,53	550,0	21,0	10,0	7,0	3,0
5882	102,0	6,70	560,0	25,0	10,0	7,0	3,0
5883	155,9	4,74	395,0	20,0	9,0	4,0	1,0
5884	123,1	4,74	395,0	20,0	9,0	4,0	1,0
5885	133,9	5,16	440,0	22,0	8,0	4,0	0,0
5886	122,8	5,16	440,0	22,0	8,0	4,0	0,0
5887	148,8	5,16	440,0	22,0	8,0	4,0	0,0
5888	106,4	5,83	494,0	24,0	10,0	4,0	1,0
5889	136,4	5,83	494,0	24,0	10,0	4,0	1,0
5890	98,7	6,21	526,0	26,0	11,0	4,0	1,0
5891	123,5	6,21	526,0	26,0	11,0	4,0	1,0
5892	130,7	6,46	550,0	25,0	10,0	3,0	3,0
5893	122,9	7,65	645,0	34,0	12,0	5,0	2,0
5894	162,8	7,63	645,0	34,0	11,0	5,0	2,0
5895	116,7	8,37	703,0	37,0	15,0	5,0	2,0
5896	108,0	8,37	703,0	37,0	15,0	5,0	2,0
5897	115,0	8,37	703,0	37,0	15,0	5,0	2,0
5898	115,8	7,26	613,0	32,0	14,0	5,0	0,0
5899	136,0	7,26	613,0	32,0	14,0	5,0	0,0
5900	112,7	7,09	597,0	32,0	13,0	4,0	1,0
5901	128,2	7,09	597,0	32,0	13,0	4,0	1,0
5902	132,7	8,21	697,0	35,0	14,0	4,0	2,0
5903	122,1	8,21	697,0	35,0	14,0	4,0	2,0
5904	110,1	10,09	871,0	41,0	17,0	5,0	0,0
5905	136,4	10,09	871,0	41,0	17,0	5,0	0,0
5906	118,2	8,92	760,0	36,0	15,0	5,0	2,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5907	94,5	8,92	760,0	36,0	15,0	5,0	2,0
5908	109,9	7,34	609,0	30,0	13,0	5,0	4,0
5909	108,9	7,34	609,0	30,0	13,0	5,0	4,0
5910	147,6	6,53	543,0	28,0	12,0	5,0	2,0
5911	128,1	6,53	543,0	28,0	12,0	5,0	2,0
5912	104,1	5,94	501,0	26,0	10,0	4,0	1,0
5913	100,9	5,94	501,0	26,0	10,0	4,0	1,0
5914	101,2	6,53	552,0	28,0	12,0	5,0	0,0
5915	82,6	6,53	552,0	28,0	12,0	5,0	0,0
5916	108,6	8,39	737,0	34,0	15,0	0,0	0,0
5917	146,1	8,39	737,0	34,0	15,0	0,0	0,0
5918	107,2	9,05	772,0	38,0	16,0	6,0	0,0
5919	117,4	9,05	772,0	38,0	16,0	6,0	0,0
5920	124,8	8,96	759,0	37,0	16,0	5,0	2,0
5921	135,0	8,96	759,0	37,0	16,0	5,0	2,0
5922	65,9	8,96	759,0	37,0	16,0	5,0	2,0
5923	106,5	9,64	820,0	39,0	16,0	6,0	2,0
5924	128,3	11,11	943,0	46,0	19,0	7,0	2,0
5925	108,4	11,11	943,0	46,0	19,0	7,0	2,0
5926	119,3	17,51	1470,0	78,0	34,0	10,0	3,0
5927	102,2	17,51	1470,0	78,0	34,0	10,0	3,0
5928	102,9	102,56	7742,0	609,0	337,0	113,0	23,0
5929	110,6	102,56	7742,0	609,0	337,0	113,0	23,0
5930	119,9	102,56	7742,0	609,0	337,0	113,0	23,0
5931	121,8	105,68	7957,0	622,0	345,0	120,0	29,0
5932	127,6	47,32	3652,0	267,0	138,0	47,0	13,0
5933	135,0	47,32	3652,0	267,0	138,0	47,0	13,0
5934	118,6	47,32	3652,0	267,0	138,0	47,0	13,0
5935	168,6	23,01	1818,0	120,0	61,0	21,0	6,0
5936	109,9	23,01	1818,0	120,0	61,0	21,0	6,0
5937	147,4	16,09	1289,0	79,0	39,0	14,0	5,0
5938	125,5	16,09	1289,0	79,0	39,0	14,0	5,0
5939	90,2	16,09	1289,0	79,0	39,0	14,0	5,0
5940	125,8	12,58	1022,0	61,0	30,0	10,0	2,0
5941	134,1	11,84	958,0	60,0	28,0	8,0	3,0
5942	113,4	11,85	958,0	59,0	29,0	8,0	3,0
5943	108,7	10,83	868,0	52,0	25,0	10,0	4,0
5944	112,4	10,83	868,0	52,0	25,0	10,0	4,0
5945	104,4	10,83	868,0	52,0	25,0	10,0	4,0
5946	147,7	9,43	757,0	45,0	22,0	9,0	3,0
5947	109,2	9,43	757,0	45,0	22,0	9,0	3,0
5948	45,0	18,98	1452,0	107,0	55,0	23,0	5,0
5949	98,2	7,80	564,0	42,0	24,0	15,0	5,0
5950	98,2	7,80	564,0	42,0	24,0	15,0	5,0
5951	55,3	7,80	564,0	42,0	24,0	15,0	5,0
5952	101,1	7,78	544,0	43,0	28,0	14,0	7,0
5953	102,0	7,78	544,0	43,0	28,0	14,0	7,0
5954	57,5	7,78	544,0	43,0	28,0	14,0	7,0
5955	57,5	7,78	544,0	43,0	28,0	14,0	7,0
5956	109,1	5,50	392,0	26,0	18,0	10,0	6,0
5957	109,1	5,50	392,0	26,0	18,0	10,0	6,0
5958	109,1	5,50	392,0	26,0	18,0	10,0	6,0
5959	79,3	5,69	389,0	28,0	21,0	13,0	6,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
5960	95,6	5,69	389,0	28,0	21,0	13,0	6,0
5961	95,6	5,69	389,0	28,0	21,0	13,0	6,0
5962	109,6	5,69	389,0	28,0	21,0	13,0	6,0
5963	111,3	4,73	329,0	23,0	17,0	12,0	3,0
5964	140,3	4,73	329,0	23,0	17,0	12,0	3,0
5965	104,0	4,73	329,0	23,0	17,0	12,0	3,0
5966	104,0	4,73	329,0	23,0	17,0	12,0	3,0
5967	135,3	3,96	277,0	19,0	13,0	9,0	4,0
5968	96,3	3,63	258,0	18,0	11,0	7,0	4,0
5969	96,3	3,65	258,0	19,0	11,0	7,0	4,0
5970	111,6	3,63	258,0	18,0	11,0	7,0	4,0
5971	106,3	3,63	258,0	18,0	11,0	7,0	4,0
5972	101,0	3,61	258,0	17,0	11,0	7,0	4,0
5973	72,2	3,84	279,0	18,0	11,0	7,0	4,0
5974	79,8	3,84	279,0	18,0	11,0	7,0	4,0
5975	79,8	3,84	279,0	18,0	11,0	7,0	4,0
5976	101,0	3,84	279,0	18,0	11,0	7,0	4,0
5977	66,0	3,80	308,0	15,0	8,0	4,0	2,0
5978	104,0	3,80	308,0	15,0	8,0	4,0	2,0
5979	104,0	3,80	308,0	15,0	8,0	4,0	2,0
5980	93,0	3,80	308,0	15,0	8,0	4,0	2,0
5981	93,0	3,80	308,0	15,0	8,0	4,0	2,0
5982	93,0	3,84	308,0	15,0	8,0	4,0	3,0
5983	85,6	3,89	315,0	16,0	8,0	4,0	2,0
5984	141,2	4,27	335,0	18,0	9,0	6,0	3,0
5985	124,0	4,35	343,0	19,0	10,0	6,0	2,0
5986	124,0	4,38	351,0	19,0	10,0	6,0	1,0
5987	124,0	4,48	359,0	20,0	10,0	6,0	1,0
5988	58,5	5,00	396,0	22,0	11,0	6,0	3,0
5989	131,4	5,00	396,0	22,0	11,0	6,0	3,0
5990	131,4	5,00	396,0	22,0	11,0	6,0	3,0
5991	131,4	5,00	396,0	22,0	11,0	6,0	3,0
5992	30,3	5,00	396,0	22,0	11,0	6,0	3,0
5993	60,4	6,11	502,0	21,0	12,0	7,0	3,0
5994	89,4	6,45	518,0	29,0	12,0	7,0	4,0
5995	52,9	6,27	506,0	28,0	12,0	7,0	3,0
5996	93,6	6,27	506,0	28,0	12,0	7,0	3,0
5997	115,0	6,17	501,0	27,0	12,0	6,0	3,0
5998	99,2	5,95	484,0	26,0	11,0	6,0	3,0
5999	98,9	5,95	484,0	26,0	11,0	6,0	3,0
6000	69,1	5,61	451,0	25,0	11,0	5,0	4,0
6001	54,6	5,52	442,0	25,0	11,0	6,0	3,0
6002	89,9	5,50	453,0	24,0	10,0	5,0	2,0
6003	78,5	5,50	453,0	24,0	10,0	5,0	2,0
6004	85,3	5,47	454,0	24,0	10,0	5,0	1,0
6005	76,0	5,31	434,0	23,0	9,0	5,0	3,0
6006	64,3	5,27	432,0	22,0	9,0	5,0	3,0
6007	114,6	5,27	432,0	22,0	9,0	5,0	3,0
6008	97,9	4,90	412,0	22,0	9,0	4,0	0,0
6009	130,4	4,90	412,0	22,0	9,0	4,0	0,0
6010	71,3	4,62	385,0	21,0	9,0	4,0	0,0
6011	94,2	4,74	385,0	21,0	9,0	5,0	2,0
6012	53,0	4,42	357,0	20,0	8,0	4,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6013	61,1	4,42	357,0	20,0	8,0	4,0	3,0
6014	92,4	4,24	344,0	19,0	7,0	5,0	2,0
6015	128,8	4,24	344,0	19,0	7,0	5,0	2,0
6016	124,1	4,23	338,0	18,0	8,0	5,0	3,0
6017	90,0	4,21	338,0	17,0	8,0	5,0	3,0
6018	97,9	4,52	354,0	20,0	10,0	6,0	3,0
6019	103,8	5,11	406,0	22,0	10,0	7,0	3,0
6020	95,7	5,11	406,0	22,0	10,0	7,0	3,0
6021	110,4	5,29	413,0	23,0	12,0	8,0	3,0
6022	135,8	5,29	413,0	23,0	12,0	8,0	3,0
6023	98,2	5,45	427,0	24,0	12,0	8,0	3,0
6024	109,8	5,45	427,0	24,0	12,7	8,2	3,3
6025	86,3	5,45	423,8	24,0	12,7	8,2	3,3
6026	119,7	5,39	417,6	23,6	12,4	8,0	3,7
6027	105,9	5,39	417,6	23,6	12,4	8,0	3,7
6028	115,5	5,16	401,4	22,2	11,6	8,0	3,4
6029	128,2	5,16	401,4	22,2	11,6	8,0	3,4
6030	93,6	4,71	361,8	20,2	11,2	7,7	3,3
6031	118,4	4,53	347,1	19,6	10,9	7,2	3,4
6032	111,8	4,53	347,1	19,6	10,9	7,2	3,4
6033	92,7	4,63	357,9	20,0	11,1	7,0	3,2
6034	85,9	4,63	360,2	20,0	11,1	7,0	3,3
6035	83,1	5,09	399,4	21,4	11,0	7,0	3,7
6036	24,9	4,76	373,9	20,3	10,0	6,7	3,3
6037	56,1	4,95	393,7	20,9	10,0	6,8	3,3
6038	71,9	4,95	393,7	20,9	9,9	6,5	3,1
6039	67,7	4,52	361,4	18,4	8,6	5,6	3,1
6040	66,8	5,10	431,4	23,1	8,7	3,9	2,5
6041	71,2	3,81	327,0	15,0	6,0	3,0	0,0
6042	41,8	13,29	1142,0	49,0	21,0	8,0	3,0
6043	32,8	13,41	1143,0	51,0	22,0	8,0	4,0
6044	32,8	13,41	1143,0	51,0	22,0	8,0	4,0
6045	41,2	10,98	945,0	40,0	17,0	6,0	3,0
6046	54,7	50,70	4057,0	242,0	126,0	45,0	17,0
6047	84,2	63,04	4816,0	333,0	186,0	73,0	28,0
6048	134,0	63,04	4816,0	333,0	186,0	73,0	28,0
6049	131,0	63,04	4816,0	333,0	186,0	73,0	28,0
6050	171,1	29,10	2257,0	148,0	76,0	32,0	15,0
6051	92,7	15,57	1186,0	83,0	45,0	18,0	8,0
6052	123,0	15,57	1186,0	83,0	45,0	18,0	8,0
6053	132,3	6,74	510,0	35,0	19,0	9,0	4,0
6054	147,0	3,88	282,0	19,0	12,0	6,0	4,0
6055	101,8	3,88	282,0	19,0	12,0	6,0	4,0
6056	96,7	2,86	220,0	13,0	7,0	4,0	2,0
6057	113,4	2,86	220,0	13,0	7,0	4,0	2,0
6058	130,9	3,40	268,0	15,0	8,0	4,0	2,0
6059	135,8	3,40	268,0	15,0	8,0	4,0	2,0
6060	121,9	3,40	268,0	15,0	8,0	4,0	2,0
6061	111,0	4,31	337,0	20,0	10,0	5,0	3,0
6062	123,9	3,40	268,0	19,0	7,0	4,0	1,0
6063	120,6	3,42	268,0	20,0	7,0	4,0	1,0
6064	120,6	3,44	268,0	21,0	7,0	4,0	1,0
6065	102,8	3,40	268,0	19,0	7,0	4,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6066	129,1	3,16	251,0	14,0	6,0	4,0	2,0
6067	141,6	3,21	260,0	14,0	6,0	3,0	2,0
6068	131,8	3,21	260,0	14,0	6,0	3,0	2,0
6069	119,6	3,21	260,0	14,0	6,0	3,0	2,0
6070	130,9	3,59	298,0	15,0	7,0	3,0	1,0
6071	118,9	3,59	298,0	15,0	7,0	3,0	1,0
6072	121,9	3,89	328,0	14,0	6,0	3,0	2,0
6073	88,4	4,05	336,0	17,0	7,0	3,0	2,0
6074	74,3	4,05	336,0	17,0	7,0	3,0	2,0
6075	108,6	3,99	334,0	17,0	7,0	3,0	1,0
6076	108,6	3,99	334,0	17,0	7,0	3,0	1,0
6077	108,6	3,99	334,0	17,0	7,0	3,0	1,0
6078	81,3	4,01	338,0	16,0	7,0	3,0	1,0
6079	88,3	4,01	338,0	16,0	7,0	3,0	1,0
6080	128,7	4,03	334,0	17,0	7,0	3,0	2,0
6081	125,3	4,03	334,0	17,0	7,0	3,0	2,0
6082	122,5	4,03	334,0	17,0	7,0	3,0	2,0
6083	124,6	3,72	314,0	15,0	6,0	3,0	1,0
6084	153,9	3,31	281,0	14,0	5,0	2,0	1,0
6085	108,9	3,45	296,0	14,0	6,0	2,0	0,0
6086	89,6	3,45	296,0	14,0	6,0	2,0	0,0
6087	90,9	3,88	336,0	15,0	5,0	2,0	1,0
6088	73,5	3,88	336,0	15,0	5,0	2,0	1,0
6089	117,1	4,21	358,0	17,0	6,0	2,0	2,0
6090	87,8	4,21	358,0	17,0	6,0	2,0	2,0
6091	113,3	4,42	379,0	17,0	6,0	2,0	2,0
6092	112,3	4,42	379,0	17,0	6,0	2,0	2,0
6093	149,6	4,45	385,0	18,0	6,0	2,0	1,0
6094	99,8	4,45	385,0	18,0	6,0	2,0	1,0
6095	97,8	4,83	412,0	20,0	7,0	2,0	2,0
6096	126,7	4,68	404,0	20,0	6,0	2,0	1,0
6097	95,2	4,68	404,0	20,0	6,0	2,0	1,0
6098	136,1	4,91	419,0	20,0	6,0	3,0	2,0
6099	90,9	4,91	419,0	20,0	6,0	3,0	2,0
6100	81,2	4,89	418,0	20,0	7,0	2,0	2,0
6101	100,9	4,89	418,0	20,0	7,0	2,0	2,0
6102	97,2	4,88	426,0	19,0	6,0	2,0	1,0
6103	128,4	4,90	426,0	20,0	6,0	2,0	1,0
6104	96,8	4,50	390,0	18,0	6,0	2,0	1,0
6105	141,0	4,67	394,0	19,0	7,0	3,0	2,0
6106	89,5	4,67	394,0	19,0	7,0	3,0	2,0
6107	66,3	4,63	392,0	20,0	7,0	2,0	2,0
6108	91,2	4,55	389,0	19,0	6,0	2,0	2,0
6109	121,8	4,55	389,0	19,0	6,0	2,0	2,0
6110	64,4	4,77	402,0	20,0	7,0	3,0	2,0
6111	80,7	4,81	404,0	20,0	8,0	3,0	2,0
6112	85,1	4,81	404,0	20,0	8,0	3,0	2,0
6113	112,1	5,18	442,0	19,0	7,0	4,0	2,0
6114	104,3	5,18	442,0	19,0	7,0	4,0	2,0
6115	107,6	5,40	459,0	22,0	8,0	3,0	2,0
6116	110,1	5,11	428,0	21,0	8,0	4,0	2,0
6117	118,4	5,08	428,0	21,0	7,0	4,0	2,0
6118	84,2	4,87	411,0	20,0	8,0	4,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6119	53,7	6,05	512,0	24,0	10,0	4,0	2,0
6120	103,5	7,69	662,0	28,0	11,0	5,0	2,0
6121	99,7	7,69	662,0	28,0	11,0	5,0	2,0
6122	84,1	6,24	525,0	27,0	10,0	4,0	2,0
6123	89,7	5,89	486,0	28,0	11,0	4,0	2,0
6124	75,6	5,40	439,0	22,0	11,0	5,0	3,0
6125	55,9	5,86	477,0	25,0	12,0	5,0	3,0
6126	91,2	5,81	477,0	25,0	12,0	5,0	2,0
6127	101,4	5,67	467,0	25,0	10,0	4,0	3,0
6128	84,9	5,57	468,0	24,0	10,0	4,0	1,0
6129	99,0	5,52	459,0	24,0	10,0	4,0	2,0
6130	61,6	4,68	381,0	24,0	9,0	3,0	2,0
6131	96,6	4,54	373,0	20,0	8,0	4,0	2,0
6132	70,5	4,43	367,0	20,0	8,0	4,0	1,0
6133	62,3	4,38	363,0	19,0	8,0	3,0	2,0
6134	126,5	4,38	363,0	19,0	8,0	3,0	2,0
6135	130,0	2,40	178,0	15,0	7,0	2,0	2,0
6136	124,0	2,11	158,0	14,0	6,0	2,0	1,0
6137	66,4	2,93	238,0	13,0	6,0	3,0	1,0
6138	106,6	4,47	376,0	19,0	8,0	3,0	1,0
6139	93,4	4,47	376,0	19,0	8,0	3,0	1,0
6140	35,0	2,92	223,0	15,0	9,0	5,0	0,0
6141	50,3	3,00	223,0	16,0	10,0	6,0	0,0
6142	50,0	3,27	243,0	16,0	9,0	5,0	3,0
6143	59,5	3,20	248,0	15,0	8,0	4,0	2,0
6144	75,2	3,18	246,0	14,0	7,0	4,0	3,0
6145	48,0	3,11	244,0	14,0	7,0	4,0	2,0
6146	31,5	2,83	230,0	12,0	6,0	3,0	1,0
6147	53,9	2,73	224,0	12,0	6,0	2,0	1,0
6148	46,6	2,76	226,0	12,0	5,0	3,0	1,0
6149	47,3	3,11	254,0	14,0	6,0	3,0	1,0
6150	60,1	3,11	254,0	14,0	6,0	3,0	1,0
6151	100,7	3,40	282,0	15,0	6,0	3,0	1,0
6152	78,2	3,52	287,0	16,0	6,0	3,0	2,0
6153	68,7	3,50	287,0	15,0	6,0	3,0	2,0
6154	88,9	3,62	302,0	16,0	6,0	3,0	1,0
6155	71,6	3,47	286,0	14,0	6,0	3,0	2,0
6156	53,0	3,59	301,0	15,0	6,0	3,0	1,0
6157	58,0	3,63	303,0	16,0	6,0	3,0	1,0
6158	59,6	3,90	320,0	17,0	7,0	2,0	3,0
6159	71,8	4,04	326,0	18,0	8,0	3,0	3,0
6160	29,2	3,85	317,0	17,0	8,0	2,0	2,0
6161	57,9	3,98	333,0	17,0	7,0	3,0	1,0
6162	53,6	3,89	326,0	16,0	7,0	3,0	1,0
6163	52,4	7,07	574,0	35,0	16,0	5,0	2,0
6164	7,7	7,07	574,0	35,0	16,0	5,0	2,0
6165	62,3	13,49	1058,0	76,0	38,0	13,0	1,0
6166	140,3	11,93	935,0	63,0	31,0	12,0	4,0
6167	43,4	11,93	935,0	63,0	31,0	12,0	4,0
6168	198,2	10,00	792,0	52,0	24,0	9,0	4,0
6169	123,5	10,00	792,0	52,0	24,0	9,0	4,0
6170	250,8	7,62	605,0	39,0	20,0	8,0	1,0
6171	135,2	7,62	605,0	39,0	20,0	8,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6172	125,0	7,62	605,0	39,0	20,0	8,0	1,0
6173	98,5	7,30	574,0	37,0	19,0	8,0	2,0
6174	37,7	6,22	487,0	31,0	17,0	8,0	1,0
6175	81,4	5,66	438,0	27,0	15,0	7,0	3,0
6176	58,7	6,23	497,0	30,0	16,0	8,0	0,0
6177	102,9	6,23	497,0	30,0	16,0	8,0	0,0
6178	55,4	6,18	478,0	28,0	16,0	8,0	4,0
6179	94,4	6,14	482,0	28,0	16,0	7,0	3,0
6180	120,8	6,14	482,0	28,0	16,0	7,0	3,0
6181	116,3	11,31	891,0	54,0	29,0	13,0	4,0
6182	107,1	11,31	891,0	54,0	29,0	13,0	4,0
6183	155,3	20,90	1637,0	107,0	57,0	21,0	7,0
6184	146,1	20,90	1637,0	107,0	57,0	21,0	7,0
6185	164,7	20,90	1637,0	107,0	57,0	21,0	7,0
6186	112,3	24,30	1925,0	121,0	63,0	24,0	7,0
6187	141,7	24,30	1925,0	121,0	63,0	24,0	7,0
6188	126,1	32,72	2632,0	164,0	85,0	32,0	0,0
6189	107,4	32,72	2632,0	164,0	85,0	32,0	0,0
6190	135,8	29,42	2413,0	131,0	65,0	24,0	7,0
6191	103,1	29,42	2413,0	131,0	65,0	24,0	7,0
6192	83,2	17,24	1406,0	77,0	38,0	14,0	6,0
6193	103,5	11,45	915,0	53,0	27,0	11,0	5,0
6194	101,2	11,45	915,0	53,0	27,0	11,0	5,0
6195	69,4	8,43	677,0	40,0	21,0	9,0	1,0
6196	76,9	6,79	530,0	32,0	17,0	9,0	3,0
6197	119,4	6,79	530,0	32,0	17,0	9,0	3,0
6198	115,1	6,39	517,0	31,0	15,0	7,0	0,0
6199	112,4	6,33	508,0	30,0	15,0	6,0	2,0
6200	147,6	6,21	498,0	28,0	14,0	6,0	3,0
6201	126,6	6,21	498,0	28,0	14,0	6,0	3,0
6202	182,9	6,21	498,0	28,0	14,0	6,0	3,0
6203	237,8	5,68	448,0	26,0	13,0	7,0	3,0
6204	134,4	5,81	463,0	27,0	13,0	7,0	2,0
6205	155,2	5,96	478,0	28,0	14,0	7,0	1,0
6206	157,7	5,61	456,0	27,0	13,0	6,0	0,0
6207	72,5	5,61	456,0	27,0	13,0	6,0	0,0
6208	46,5	5,12	413,0	24,0	11,0	6,0	1,0
6209	106,4	5,10	410,0	24,0	11,0	5,0	2,0
6210	97,7	4,89	389,0	23,0	10,0	5,0	3,0
6211	66,3	4,75	381,0	22,0	10,0	4,0	3,0
6212	66,4	4,79	388,0	23,0	10,0	5,0	1,0
6213	86,5	5,36	429,0	24,0	12,0	5,0	3,0
6214	115,7	5,36	429,0	24,0	12,0	5,0	3,0
6215	97,0	5,62	452,0	26,0	12,0	5,0	3,0
6216	94,1	5,29	429,0	24,0	11,0	5,0	2,0
6217	60,6	5,06	404,0	23,0	11,0	5,0	3,0
6218	49,7	5,06	404,0	23,0	11,0	5,0	3,0
6219	109,3	5,32	430,0	24,0	12,0	5,0	2,0
6220	102,4	5,95	481,0	27,0	13,0	6,0	2,0
6221	93,1	5,95	481,0	27,0	13,0	6,0	2,0
6222	89,5	5,57	452,0	26,0	12,0	6,0	1,0
6223	68,8	5,39	447,0	24,0	11,0	4,0	1,0
6224	82,2	5,46	440,0	25,0	11,0	5,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6225	77,4	5,46	440,0	25,0	11,0	5,0	3,0
6226	65,1	5,73	469,0	26,0	13,0	5,0	1,0
6227	93,7	5,72	469,0	27,0	12,0	5,0	1,0
6228	97,1	5,72	469,0	27,0	12,0	5,0	1,0
6229	41,9	6,43	524,0	29,0	13,0	5,0	3,0
6230	71,9	5,15	411,0	24,0	11,0	5,0	3,0
6231	108,1	4,63	367,0	22,0	11,0	5,0	2,0
6232	57,5	4,94	392,0	23,0	11,0	5,0	3,0
6233	55,4	6,42	522,0	28,0	13,0	6,0	3,0
6234	31,4	7,90	653,0	32,0	15,0	7,0	3,0
6235	32,2	4,01	276,0	21,0	15,0	8,0	4,0
6236	23,9	3,94	293,0	18,0	11,0	6,0	4,0
6237	20,3	2,84	208,0	15,0	8,0	4,0	3,0
6238	57,3	2,43	185,0	11,0	7,0	3,0	2,0
6239	36,9	2,69	208,0	13,0	7,0	4,0	1,0
6240	64,1	2,69	208,0	13,0	7,0	4,0	1,0
6241	74,8	2,69	208,0	13,0	7,0	4,0	1,0
6242	83,5	2,69	208,0	13,0	7,0	4,0	1,0
6243	51,5	2,69	208,0	13,0	7,0	4,0	1,0
6244	61,0	2,69	208,0	13,0	7,0	4,0	1,0
6245	52,7	8,46	711,0	36,0	13,0	6,0	3,0
6246	53,6	8,46	711,0	36,0	13,0	6,0	3,0
6247	57,4	7,58	628,0	36,0	14,0	4,0	3,0
6248	49,8	6,90	584,0	30,0	12,0	3,0	2,0
6249	39,4	10,26	837,0	52,0	21,0	7,0	3,0
6250	130,9	10,26	837,0	52,0	21,0	7,0	3,0
6251	166,3	10,26	837,0	52,0	21,0	7,0	3,0
6252	124,7	10,26	837,0	52,0	21,0	7,0	3,0
6253	129,7	10,26	837,0	52,0	21,0	7,0	3,0
6254	112,4	10,26	837,0	52,0	21,0	7,0	3,0
6255	103,9	6,23	509,0	30,0	14,0	5,0	1,0
6256	149,6	6,86	560,0	31,0	13,0	6,0	3,0
6257	130,1	6,86	560,0	31,0	13,0	6,0	3,0
6258	153,3	6,70	543,0	30,0	14,0	6,0	3,0
6259	172,6	6,70	543,0	30,0	14,0	6,0	3,0
6260	82,5	6,70	543,0	30,0	14,0	6,0	3,0
6261	126,3	5,99	485,0	26,0	12,0	6,0	3,0
6262	120,4	5,77	473,0	25,0	12,0	5,0	2,0
6263	116,5	5,75	473,0	25,0	11,0	5,0	2,0
6264	90,4	6,64	543,0	28,0	15,0	6,0	2,0
6265	108,0	6,79	543,0	28,0	16,0	7,0	4,0
6266	125,6	6,97	543,0	29,0	19,0	8,0	5,0
6267	142,1	7,62	616,0	30,0	17,0	8,0	4,0
6268	207,2	8,36	689,0	32,0	16,0	8,0	4,0
6269	161,4	8,70	715,0	35,0	17,0	8,0	4,0
6270	182,4	8,66	715,0	35,0	17,0	8,0	3,0
6271	133,2	8,66	715,0	35,0	17,0	8,0	3,0
6272	151,4	11,41	941,0	44,0	22,0	11,0	5,0
6273	107,7	11,41	941,0	44,0	22,0	11,0	5,0
MOGOLLON FORMATION							
6274	177,6	11,46	941,0	44,0	22,0	11,0	6,0
6275	144,3	16,70	1410,0	61,0	30,0	13,0	5,0
6276	280,0	16,70	1410,0	61,0	30,0	13,0	5,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6277	237,2	20,40	1738,0	73,0	35,0	15,0	5,0
6278	278,3	24,07	2065,0	86,0	40,0	16,0	5,0
6279	261,8	24,07	2065,0	86,0	40,0	16,0	5,0
6280	190,1	41,37	3464,0	170,0	83,0	30,0	8,0
6281	228,5	41,37	3464,0	170,0	83,0	30,0	8,0
6282	198,5	41,37	3464,0	170,0	83,0	30,0	8,0
6283	208,5	56,76	4608,0	259,0	135,0	50,0	13,0
6284	94,0	56,76	4608,0	259,0	135,0	50,0	13,0
6285	296,5	56,76	4608,0	259,0	135,0	50,0	13,0
6286	153,4	56,76	4608,0	259,0	135,0	50,0	13,0
6287	141,4	56,76	4608,0	259,0	135,0	50,0	13,0
6288	167,5	56,54	4650,0	240,0	130,0	48,0	11,0
6289	177,1	56,34	4660,0	245,0	125,0	42,0	10,0
6290	204,1	56,67	4670,0	240,0	128,0	50,0	9,0
6291	280,0	55,74	4580,0	238,0	135,0	45,0	8,9
6292	275,0	55,86	4590,0	242,0	134,0	43,0	10,0
6293	177,5	55,85	4620,0	235,0	130,0	42,0	9,0
6294	127,9	55,73	4620,0	238,0	128,0	40,0	8,0
6295	116,2	56,84	4675,0	242,0	132,0	48,0	10,0
6296	100,6	56,38	4608,0	259,0	135,0	42,0	11,0
6297	120,1	56,72	4608,0	259,0	135,0	50,0	12,0
6298	176,4	58,77	4763,0	269,0	141,0	52,0	14,0
6299	170,8	60,79	4918,0	280,0	147,0	55,0	14,0
6300	140,3	62,82	5074,0	291,0	153,0	57,0	15,0
6301	227,9	64,82	5229,0	301,0	159,0	60,0	15,0
6302	219,1	66,88	5385,0	312,0	166,0	62,0	16,0
6303	128,5	66,28	5369,0	304,0	159,0	60,0	15,0
6304	181,4	65,72	5353,0	297,0	153,0	57,0	15,0
6305	197,8	65,72	5353,0	297,0	153,0	57,0	15,0
6306	141,6	65,69	5353,2	296,6	152,8	56,8	14,8
6307	162,1	65,69	5353,2	296,6	152,8	56,8	14,8
6308	248,9	61,99	5098,9	271,0	137,8	51,3	12,5
6309	180,4	61,99	5098,9	271,0	137,8	51,3	12,5
6310	227,2	61,99	5098,9	271,0	137,8	51,3	12,5
6311	191,7	61,99	5098,9	271,0	137,8	51,3	12,5
6312	226,9	61,99	5098,9	271,0	137,8	51,3	12,5
6313	141,9	61,99	5098,9	271,0	137,8	51,3	12,5
6314	228,0	61,99	5098,9	271,0	137,8	51,3	12,5
6315	166,6	67,34	5535,9	294,0	150,1	55,5	14,6
6316	135,7	37,56	3106,2	155,8	78,6	31,6	9,8
6317	217,5	37,58	3138,3	149,5	74,7	30,3	9,0
6318	141,6	37,58	3138,3	149,5	74,7	30,3	9,0
6319	188,7	37,58	3138,3	149,5	74,7	30,3	9,0
6320	191,3	37,58	3138,3	149,5	74,7	30,3	9,0
6321	171,4	37,58	3138,3	149,5	74,7	30,3	9,0
6322	115,1	37,58	3138,3	149,5	74,7	30,3	9,0
6323	129,9	37,58	3138,3	149,5	74,7	30,3	9,0
6324	205,2	26,82	2227,7	107,4	54,5	22,2	7,7
6325	176,7	26,82	2227,7	107,4	54,5	22,2	7,7
6326	41,0	26,82	2227,7	109,0	54,5	22,2	8,5
6327	86,7	26,52	2192,4	109,0	54,3	22,0	8,5
6328	58,7	26,52	2192,4	109,0	54,3	22,0	8,5
6329	103,6	26,60	2195,0	110,0	55,0	23,0	9,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6330	50,0	7,37	585,0	36,0	15,0	8,0	4,0
6331	30,0	3,87	305,0	19,0	9,0	4,0	2,0
6332	38,7	3,28	262,0	16,0	8,0	3,0	1,0
6333	90,4	3,16	255,0	15,0	7,0	3,0	1,0
6334	94,3	3,20	267,0	14,0	6,0	2,0	1,0
6335	107,1	3,22	267,0	15,0	6,0	2,0	1,0
6336	90,2	4,39	368,0	19,0	8,0	3,0	1,0
6337	123,8	7,03	597,0	29,0	13,0	4,0	1,0
6338	69,5	7,03	597,0	29,0	13,0	4,0	1,0
6339	102,1	7,49	635,0	30,0	14,0	5,0	1,0
6340	71,0	5,96	515,0	23,0	9,0	3,0	1,0
6341	64,4	6,07	509,0	25,0	11,0	4,0	2,0
6342	60,1	5,12	425,0	22,0	9,0	4,0	2,0
6343	29,1	4,96	417,0	19,0	8,0	4,0	2,0
6344	93,9	4,46	376,0	19,0	9,0	2,0	1,0
6345	69,7	4,78	398,0	21,0	10,0	3,0	1,0
6346	82,0	4,81	398,0	21,0	11,0	3,0	1,0
6347	216,2	4,88	393,0	22,0	12,0	4,0	2,0
6348	62,5	4,77	392,0	21,0	9,0	4,0	2,0
6349	116,6	4,73	392,0	21,0	9,0	4,0	1,0
6350	82,8	4,80	396,0	20,0	9,0	4,0	2,0
6351	98,8	5,10	425,0	22,0	10,0	4,0	1,0
6352	93,8	5,10	425,0	22,0	10,0	4,0	1,0
6353	111,7	5,44	450,0	23,0	11,0	5,0	1,0
6354	46,7	5,27	433,0	23,0	11,0	4,0	2,0
6355	43,9	4,47	367,0	19,0	10,0	4,0	1,0
6356	83,5	4,63	378,0	20,0	10,0	5,0	1,0
6357	63,9	4,85	398,0	21,0	10,0	5,0	1,0
6358	47,6	4,88	400,0	22,0	11,0	4,0	1,0
6359	60,7	4,88	400,0	22,0	11,0	4,0	1,0
6360	44,7	4,51	361,0	21,0	11,0	5,0	1,0
6361	69,6	4,94	392,0	22,0	12,0	6,0	2,0
6362	55,5	4,68	374,0	22,0	12,0	5,0	1,0
6363	56,7	4,68	374,0	22,0	12,0	5,0	1,0
6364	62,9	4,84	384,0	23,0	12,0	6,0	1,0
6365	59,9	4,84	384,0	23,0	12,0	6,0	1,0
6366	110,0	4,96	385,0	23,0	13,0	6,0	3,0
6367	70,2	4,96	385,0	23,0	13,0	6,0	3,0
6368	63,0	5,14	400,0	24,0	14,0	8,0	1,0
6369	59,9	4,77	367,0	22,0	13,0	6,0	3,0
6370	86,3	4,77	367,0	22,0	13,0	6,0	3,0
6371	59,5	4,67	369,0	21,0	13,0	7,0	0,0
6372	51,3	4,51	342,0	21,0	12,0	7,0	3,0
6373	57,7	4,33	335,0	20,0	12,0	7,0	1,0
6374	107,7	4,04	311,0	18,0	11,0	5,0	3,0
6375	60,4	4,07	311,0	18,0	12,0	5,0	3,0
6376	117,1	4,46	343,0	19,0	11,0	6,0	4,0
6377	119,2	4,43	343,0	19,0	10,0	6,0	4,0
6378	91,0	4,45	352,0	20,0	10,0	6,0	2,0
6379	86,2	4,45	352,0	20,0	10,0	6,0	2,0
6380	101,3	4,51	348,0	20,0	12,0	6,0	3,0
6381	47,9	4,35	348,0	19,0	10,0	6,0	1,0
6382	55,8	4,41	353,0	20,0	11,0	5,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6383	94,5	4,91	399,0	19,0	10,0	6,0	2,0
6384	51,2	5,03	409,0	21,0	11,0	6,0	1,0
6385	73,7	5,03	409,0	21,0	11,0	6,0	1,0
6386	110,8	5,15	418,0	23,0	11,0	6,0	1,0
6387	58,9	4,74	389,0	21,0	9,0	4,0	2,0
6388	48,1	4,73	386,0	21,0	10,0	5,0	1,0
6389	76,4	4,73	386,0	21,0	10,0	5,0	1,0
6390	99,0	4,49	364,0	20,0	10,0	5,0	1,0
6391	90,3	4,49	364,0	20,0	10,0	5,0	1,0
6392	116,1	4,36	355,0	19,0	9,0	5,0	1,0
6393	101,0	4,31	346,0	19,0	9,0	5,0	2,0
6394	48,1	3,94	320,0	17,0	9,0	4,0	1,0
6395	66,8	4,35	362,0	18,0	8,0	4,0	1,0
6396	43,6	4,79	400,0	19,0	8,0	4,0	2,0
6397	56,4	5,08	424,0	20,0	9,0	4,0	2,0
6398	103,2	5,08	424,0	20,0	9,0	4,0	2,0
6399	102,7	5,14	437,0	19,0	9,0	4,0	1,0
6400	80,3	5,37	459,0	19,0	9,0	3,0	2,0
6401	121,2	5,37	459,0	19,0	9,0	3,0	2,0
6402	112,0	5,18	445,0	18,0	8,0	4,0	1,0
6403	134,7	5,18	445,0	18,0	8,0	4,0	1,0
6404	115,4	5,48	469,0	20,0	9,0	4,0	1,0
6405	129,4	5,48	469,0	20,0	9,0	4,0	1,0
6406	70,6	4,63	396,0	16,0	7,0	4,0	1,0
6407	72,1	4,68	402,0	17,0	6,0	3,0	2,0
6408	121,7	4,55	388,0	16,0	7,0	3,0	2,0
6409	92,2	4,55	388,0	16,0	7,0	3,0	2,0
6410	112,4	4,55	388,0	16,0	7,0	3,0	2,0
6411	130,2	4,37	376,0	15,0	7,0	3,0	1,0
6412	88,8	3,94	342,0	14,0	6,0	3,0	0,0
6413	129,7	3,94	342,0	14,0	6,0	3,0	0,0
6414	135,3	4,08	343,0	15,0	7,0	4,0	1,0
6415	125,8	3,98	329,0	15,0	7,0	4,0	2,0
6416	95,8	3,98	329,0	15,0	7,0	4,0	2,0
6417	81,3	4,10	346,0	14,0	7,0	3,0	2,0
6418	93,6	3,60	303,0	12,0	6,0	4,0	1,0
6419	85,3	3,60	303,0	12,0	6,0	4,0	1,0
6420	31,7	3,31	280,0	10,0	5,0	3,0	2,0
6421	94,3	3,49	297,0	11,0	5,0	4,0	1,0
6422	102,1	3,49	297,0	11,0	5,0	4,0	1,0
6423	73,5	3,22	274,0	10,0	5,0	2,0	2,0
6424	80,2	2,78	237,0	9,0	5,0	2,0	1,0
6425	120,2	2,91	250,0	8,0	4,0	2,0	2,0
6426	49,0	3,53	300,0	9,0	5,0	4,0	2,0
6427	17,9	3,30	280,0	10,0	5,0	4,0	1,0
6428	108,1	3,01	245,0	9,0	6,0	4,0	2,0
6429	70,6	3,01	245,0	9,0	6,0	4,0	2,0
6430	86,3	2,59	219,0	10,0	4,0	2,0	1,0
6431	123,2	2,59	219,0	10,0	4,0	2,0	1,0
6432	112,3	2,59	210,0	9,0	5,0	3,0	2,0
6433	85,9	2,48	211,0	8,0	4,0	2,0	1,0
6434	118,2	2,48	211,0	8,0	4,0	2,0	1,0
6435	100,2	2,69	224,0	8,0	4,0	3,0	2,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6436	110,3	2,69	224,0	8,0	4,0	3,0	2,0
6437	148,1	3,00	261,0	9,0	4,0	2,0	1,0
6438	127,9	3,00	261,0	9,0	4,0	2,0	1,0
6439	62,8	4,36	375,0	15,0	7,0	3,0	1,0
6440	62,8	4,25	367,0	15,0	6,0	3,0	1,0
6441	42,1	4,07	352,0	15,0	6,0	2,0	1,0
6442	90,7	3,97	334,0	15,0	6,0	3,0	2,0
6443	49,4	4,10	352,0	14,0	5,0	3,0	2,0
6444	51,9	3,92	331,0	16,0	6,0	2,0	2,0
6445	83,4	3,92	331,0	16,0	6,0	2,0	2,0
6446	61,8	3,69	312,0	15,0	5,0	2,0	2,0
6447	68,0	3,81	318,0	15,0	6,0	3,0	2,0
6448	81,6	3,78	317,0	16,0	6,0	2,0	2,0
6449	75,3	4,00	334,0	17,0	6,0	3,0	2,0
6450	46,0	4,00	334,0	17,0	6,0	3,0	2,0
6451	67,9	4,00	343,0	16,0	6,0	2,0	1,0
6452	70,8	4,00	343,0	16,0	6,0	2,0	1,0
6453	99,5	4,05	343,0	17,0	6,0	3,0	1,0
6454	79,6	3,94	336,0	16,0	5,0	3,0	1,0
6455	108,3	3,96	336,0	16,0	6,0	3,0	1,0
6456	31,8	3,42	287,0	15,0	6,0	2,0	1,0
6457	58,4	3,48	291,0	15,0	5,0	2,0	2,0
6458	78,8	3,65	310,0	14,0	5,0	2,0	2,0
6459	73,7	3,75	318,0	16,0	6,0	2,0	1,0
6460	54,3	4,09	343,0	17,0	6,0	3,0	2,0
6461	58,6	4,15	350,0	17,0	7,0	3,0	1,0
6462	33,2	3,83	329,0	16,0	5,0	2,0	1,0
6463	57,4	3,96	338,0	17,0	6,0	2,0	1,0
6464	40,8	4,17	359,0	17,0	6,0	2,0	1,0
6465	47,5	4,77	415,0	19,0	6,0	2,0	1,0
6466	55,0	4,94	426,0	20,0	6,0	2,0	2,0
6467	42,1	4,67	408,0	19,0	5,0	2,0	1,0
6468	41,3	4,67	408,0	19,0	5,0	2,0	1,0
6469	48,3	3,91	329,0	18,0	5,0	2,0	2,0
6470	60,5	3,89	329,0	17,0	5,0	2,0	2,0
6471	57,2	3,91	335,0	17,0	5,0	2,0	1,0
6472	56,8	3,81	324,0	16,0	6,0	2,0	1,0
6473	55,4	3,81	324,0	16,0	6,0	2,0	1,0
6474	123,7	4,21	350,0	18,0	7,0	3,0	2,0
6475	112,3	3,52	302,0	14,0	5,0	2,0	1,0
6476	90,0	3,52	302,0	14,0	5,0	2,0	1,0
6477	43,0	3,64	309,0	14,0	5,0	2,0	2,0
6478	120,2	3,45	296,0	13,0	5,0	2,0	1,0
6479	103,6	3,45	296,0	13,0	5,0	2,0	1,0
6480	49,9	3,87	329,0	14,0	5,0	3,0	2,0
6481	53,4	3,83	322,0	14,0	6,0	3,0	2,0
6482	54,3	3,71	310,0	14,0	6,0	3,0	2,0
6483	45,9	3,76	316,0	15,0	5,0	3,0	2,0
6484	129,3	3,62	293,0	14,0	6,0	4,0	3,0
6485	51,5	3,25	276,0	13,0	5,0	2,0	1,0
6486	75,2	3,56	295,0	14,0	6,0	3,0	2,0
6487	119,7	3,56	295,0	14,0	6,0	3,0	2,0
6488	95,4	3,12	268,0	13,0	5,0	2,0	0,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6489	106,2	3,58	310,0	15,0	6,0	0,0	1,0
6490	210,8	3,58	310,0	15,0	6,0	0,0	1,0
6491	152,0	4,49	373,0	20,0	9,0	3,0	1,0
6492	109,0	4,49	373,0	20,0	9,0	3,0	1,0
6493	119,6	5,58	464,0	25,0	11,0	4,0	1,0
6494	120,8	5,58	464,0	25,0	11,0	4,0	1,0
6495	134,4	5,54	467,0	23,0	10,0	4,0	1,0
6496	82,2	6,62	572,0	25,0	11,0	3,0	1,0
6497	78,8	6,62	572,0	25,0	11,0	3,0	1,0
6498	109,2	8,13	694,6	31,3	13,5	4,9	1,8
6499	118,9	8,13	694,6	32,7	14,8	5,0	2,1
6500	112,9	13,40	1068,4	66,3	34,1	11,9	3,9
6501	103,8	13,40	1068,4	66,3	34,1	11,9	4,4
6502	89,4	12,88	1025,5	63,3	32,5	11,9	4,4
6503	89,4	12,36	982,6	60,3	30,8	11,9	4,4
6504	69,2	7,61	629,5	34,1	16,3	5,8	1,7
6505	67,6	6,27	521,5	26,5	12,4	4,5	1,7
6506	81,2	4,97	418,2	19,8	9,5	3,5	1,1
6507	93,8	4,97	418,2	19,8	9,5	3,5	1,1
6508	106,3	4,97	418,2	19,8	9,5	3,5	1,1
6509	131,4	4,27	369,1	16,3	7,0	2,8	1,8
6510	64,8	4,32	370,6	16,9	7,0	2,3	1,8
6511	86,3	4,32	370,6	16,9	7,1	2,4	2,0
6512	64,2	4,19	352,8	16,4	7,1	2,7	2,0
6513	38,4	4,32	371,7	18,2	8,0	2,7	1,8
6514	47,0	5,32	444,4	23,7	10,9	4,0	1,1
6515	41,7	5,02	423,9	22,7	9,6	2,9	0,2
6516	82,3	5,02	423,9	22,7	9,6	2,9	1,1
6517	95,8	3,99	336,1	16,9	7,1	2,5	1,1
6518	67,9	4,02	340,0	17,1	7,0	3,0	2,0
6519	50,0	5,05	416,0	22,0	10,0	5,0	1,0
6520	41,5	5,11	406,0	23,0	12,0	5,0	3,0
6521	43,0	3,46	285,0	15,0	7,0	3,0	1,0
6522	47,1	3,80	311,0	16,0	8,0	4,0	1,0
6523	32,8	3,98	323,0	17,0	8,0	4,0	2,0
6524	29,6	4,32	355,0	19,0	9,0	4,0	1,0
6525	55,8	4,84	399,0	22,0	10,0	5,0	0,0
6526	50,4	3,87	318,0	16,0	8,0	4,0	1,0
6527	66,6	3,92	326,0	15,0	7,0	3,0	2,0
6528	62,4	5,14	435,0	21,0	10,0	4,0	0,0
6529	75,5	5,14	435,0	21,0	10,0	4,0	0,0
6530	30,9	5,40	463,0	20,0	8,0	3,0	2,0
6531	52,9	4,99	422,0	18,0	8,0	4,0	2,0
6532	75,3	4,99	422,0	18,0	8,0	4,0	2,0
6533	74,0	5,57	475,0	19,0	9,0	4,0	2,0
6534	78,0	5,74	486,0	21,0	10,0	4,0	2,0
6535	46,0	5,07	423,0	20,0	9,0	4,0	2,0
6536	40,7	4,57	386,0	19,0	8,0	3,0	1,0
6537	57,0	4,82	395,0	20,0	9,0	5,0	2,0
6538	39,4	4,84	403,0	20,0	8,0	4,0	2,0
6539	35,8	5,14	425,0	21,0	9,0	5,0	2,0
6540	47,1	5,26	445,2	20,3	8,8	3,5	1,8
6541	81,2	5,26	445,2	20,9	9,2	3,5	1,8

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6542	31,2	4,31	363,5	18,2	7,7	3,1	1,1
6543	55,1	4,20	354,7	16,9	7,4	3,1	1,4
6544	46,1	4,20	354,7	16,9	6,9	2,7	1,4
6545	80,8	4,20	354,7	16,9	6,9	2,9	1,4
6546	76,8	3,96	334,7	15,9	6,7	2,9	2,0
6547	42,4	3,95	339,4	14,1	6,3	2,9	2,0
6548	60,4	4,23	371,8	13,9	5,3	2,9	1,3
6549	52,6	5,44	469,5	19,7	8,5	2,9	1,4
6550	62,5	5,44	469,5	19,7	8,5	2,9	1,4
6551	66,6	6,46	545,0	25,0	12,0	4,0	2,0
6552	65,8	5,50	468,0	20,0	10,0	4,0	1,0
6553	98,3	5,50	468,0	20,0	10,0	4,0	1,0
6554	40,8	4,00	336,0	14,0	7,0	3,0	2,0
6555	63,7	3,31	278,0	11,0	5,0	3,0	2,0
6556	49,9	3,15	272,0	9,0	4,0	2,0	2,0
6557	65,8	3,11	272,0	9,0	4,0	2,0	1,0
6558	79,2	3,09	266,0	9,0	4,0	2,0	2,0
6559	63,0	2,71	234,0	8,0	4,0	2,0	1,0
6560	52,2	2,85	245,0	8,0	4,0	3,0	1,0
6561	67,4	3,24	276,0	10,0	4,0	3,0	2,0
6562	48,8	3,50	297,0	11,0	5,0	3,0	2,0
6563	27,7	3,24	276,0	12,0	4,0	2,0	2,0
6564	47,3	3,35	280,0	13,0	6,0	3,0	1,0
6565	89,5	3,27	276,0	12,0	5,0	2,0	2,0
6566	54,1	2,99	252,0	12,0	5,0	2,0	1,0
6567	68,2	3,06	259,0	12,0	5,0	2,0	1,0
6568	19,4	3,64	301,0	15,0	6,0	3,0	2,0
6569	37,0	3,81	321,0	16,0	6,0	3,0	1,0
6570	44,9	3,44	281,0	15,0	6,0	3,0	2,0
6571	42,7	3,15	258,0	14,0	6,0	3,0	1,0
6572	68,4	3,33	266,0	14,0	7,0	4,0	2,0
6573	75,4	3,15	263,0	14,0	6,0	3,0	0,0
6574	153,4	3,25	268,0	14,0	6,0	3,0	1,0
6575	48,1	3,25	268,0	14,0	6,0	3,0	1,0
6576	90,3	3,56	298,0	15,0	6,0	3,0	1,0
6577	71,0	3,94	328,0	18,0	7,0	4,0	0,0
6578	28,3	3,74	307,0	16,0	7,0	3,0	2,0
6579	78,3	3,56	289,0	16,0	7,0	3,0	2,0
6580	82,0	3,39	289,0	15,0	6,0	2,0	0,0
6581	78,5	3,22	264,0	15,0	7,0	2,0	1,0
6582	68,2	3,37	271,0	15,0	7,0	3,0	2,0
6583	80,3	3,44	272,0	15,0	8,0	4,0	2,0
6584	69,2	3,24	269,0	14,0	5,0	2,0	2,0
6585	79,5	3,24	269,0	14,0	5,0	2,0	2,0
6586	76,0	3,20	263,0	14,0	6,0	2,0	2,0
6587	44,5	2,87	238,0	13,0	5,0	2,0	1,0
6588	53,7	3,07	245,0	14,0	6,0	2,0	3,0
6589	51,5	3,03	248,0	14,0	5,0	2,0	2,0
6590	36,6	3,13	258,0	15,0	6,0	2,0	1,0
6591	84,0	3,28	270,0	15,0	7,0	2,0	1,0
6592	72,0	3,06	255,0	13,0	6,0	2,0	1,0
6593	51,7	3,00	247,0	13,0	5,0	2,0	2,0
6594	49,1	2,94	239,0	12,0	5,0	3,0	2,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6595	64,8	3,46	287,0	16,0	7,0	2,0	1,0
6596	56,5	3,46	287,0	16,0	7,0	2,0	1,0
6597	67,1	3,54	291,0	16,0	7,0	3,0	1,0
6598	54,7	3,54	291,0	16,0	7,0	3,0	1,0
6599	53,8	3,33	276,9	15,0	6,1	2,1	1,5
6600	87,7	3,33	276,9	14,4	6,1	2,5	1,5
6601	66,7	3,29	272,8	14,2	6,0	2,5	1,6
6602	54,5	3,05	255,2	12,8	5,2	2,8	1,6
6603	88,0	3,00	246,8	12,2	5,2	2,8	1,6
6604	91,0	3,00	246,8	12,2	5,2	2,8	1,9
6605	83,3	3,39	289,4	13,1	5,2	2,0	1,9
6606	76,9	3,39	289,4	13,1	5,2	2,0	1,1
6607	89,6	4,88	420,9	17,1	7,0	2,7	1,8
6608	104,3	6,37	552,4	21,1	8,8	3,4	2,4
6609	99,0	5,54	483,3	18,5	7,4	3,1	1,3
6610	115,5	5,54	483,3	18,5	7,4	3,1	1,3
6611	117,1	5,50	483,0	18,0	7,0	3,0	1,0
6612	54,5	4,76	415,0	17,0	7,0	2,0	1,0
6613	83,6	4,30	372,0	17,0	6,0	2,0	1,0
6614	0,6	2,37	197,0	10,0	4,0	2,0	1,0
6615	59,6	2,96	237,0	14,0	7,0	3,0	1,0
6616	41,0	1,98	161,0	8,0	4,0	2,0	1,0
6617	142,5	2,09	166,0	9,0	4,0	2,0	2,0
6618	52,1	2,39	198,0	8,0	4,0	2,0	2,0
6619	54,7	2,15	173,0	9,0	4,0	3,0	1,0
6620	17,3	1,76	139,0	7,0	3,0	2,0	2,0
6621	97,5	2,87	242,0	10,0	4,0	2,0	2,0
6622	140,2	2,87	242,0	10,0	4,0	2,0	2,0
6623	148,7	3,53	304,0	13,0	5,0	2,0	1,0
6624	113,0	3,53	304,0	13,0	5,0	2,0	1,0
6625	114,8	3,37	289,0	12,0	4,0	2,0	2,0
6626	94,1	3,37	289,0	12,0	4,0	2,0	2,0
6627	94,3	3,51	306,0	11,0	5,0	2,0	1,0
6628	112,8	3,51	306,0	11,0	5,0	2,0	1,0
6629	111,7	2,82	248,0	9,0	4,0	2,0	0,0
6630	117,3	2,82	248,0	9,0	4,0	2,0	0,0
6631	154,3	2,75	243,0	10,0	4,0	1,0	0,0
6632	155,5	3,35	291,0	12,0	4,0	2,0	1,0
6633	112,9	3,35	291,0	12,0	4,0	2,0	1,0
6634	98,1	3,02	260,0	11,0	4,0	2,0	1,0
6635	140,5	2,80	244,0	10,0	4,0	2,0	0,0
6636	107,0	2,80	244,0	10,0	4,0	2,0	0,0
6637	127,8	2,82	244,0	11,0	4,0	2,0	0,0
6638	105,0	3,03	268,0	9,0	4,0	1,0	1,0
6639	135,3	4,29	378,0	12,0	5,0	2,0	2,0
6640	47,9	4,29	378,0	12,0	5,0	2,0	2,0
6641	58,2	5,01	444,0	16,0	6,0	2,0	1,0
6642	40,1	4,24	371,0	13,0	5,0	2,0	2,0
6643	21,2	3,59	312,0	12,0	5,0	2,0	1,0
6644	32,4	4,14	365,0	15,0	4,0	2,0	1,0
6645	6,3	3,51	301,0	14,0	5,0	2,0	1,0
6646	82,9	3,70	315,0	14,0	5,0	2,0	2,0
6647	69,5	3,10	264,0	13,0	4,0	2,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6648	13,5	2,82	240,0	12,0	5,0	2,0	0,0
6649	48,4	3,33	291,0	11,0	4,0	2,0	1,0
6650	59,5	3,35	291,0	12,0	4,0	2,0	1,0
6651	85,8	3,33	285,0	14,0	4,0	2,0	1,0
6652	29,9	2,99	255,0	13,0	5,0	2,0	0,0
6653	44,3	3,13	262,0	13,0	6,0	2,0	1,0
6654	36,5	2,96	253,0	12,0	5,0	1,0	1,0
6655	48,7	3,10	261,0	13,0	5,0	2,0	1,0
6656	54,9	3,16	259,0	14,0	6,0	2,0	2,0
6657	32,3	3,11	262,0	13,0	5,0	2,0	1,0
6658	56,3	3,20	271,0	14,0	6,0	2,0	0,0
6659	45,4	3,02	258,0	13,0	5,0	2,0	0,0
6660	53,0	3,48	296,0	15,0	5,0	2,0	1,0
6661	55,4	3,89	336,0	16,0	6,0	1,0	1,0
6662	53,5	3,71	320,0	15,0	6,0	1,0	1,0
6663	39,5	5,04	423,0	22,0	8,0	3,0	2,0
6664	42,1	4,90	415,0	21,0	8,0	2,0	2,0
6665	36,2	4,67	396,0	21,0	8,0	2,0	1,0
6666	66,6	4,76	402,0	20,0	8,0	2,0	2,0
6667	46,9	4,27	364,0	18,0	7,0	2,0	1,0
6668	56,4	3,74	317,0	17,0	7,0	2,0	0,0
6669	58,7	4,11	348,0	18,0	7,0	2,0	1,0
6670	39,9	4,11	348,0	18,0	7,0	2,0	1,0
6671	50,9	4,20	353,0	18,0	7,0	3,0	1,0
6672	48,8	4,30	361,0	18,0	8,0	3,0	1,0
6673	55,3	4,37	370,0	18,0	7,0	3,0	1,0
6674	52,8	4,16	358,0	17,0	6,0	2,0	1,0
6675	34,0	4,21	363,0	17,0	6,0	2,0	1,0
6676	41,4	4,10	349,0	17,0	7,0	2,0	1,0
6677	107,7	3,96	339,0	16,0	6,0	2,0	1,0
6678	35,2	3,80	325,0	16,0	7,0	2,0	0,0
6679	59,3	3,68	309,0	16,0	7,0	2,0	1,0
6680	64,7	3,73	313,0	16,0	6,0	3,0	1,0
6681	44,5	3,52	297,0	15,0	6,0	2,0	1,0
6682	53,7	3,45	290,0	15,0	6,0	2,0	1,0
6683	128,6	3,45	290,0	15,0	6,0	2,0	1,0
6684	117,3	3,92	337,0	15,0	6,0	2,0	1,0
6685	65,1	5,07	452,0	15,0	6,0	2,0	1,0
6686	76,1	5,15	452,0	16,0	7,0	3,0	1,0
6687	86,9	4,73	412,0	17,0	7,0	2,0	1,0
6688	47,1	4,34	379,0	15,0	6,0	2,0	1,0
6689	111,9	4,30	371,0	16,0	7,0	2,0	1,0
6690	74,8	4,64	404,0	18,0	6,0	2,0	1,0
6691	64,6	5,29	462,0	18,0	7,0	3,0	1,0
6692	44,7	5,72	514,0	19,0	7,0	0,0	1,0
6693	69,5	6,22	556,0	20,0	7,0	3,0	0,0
6694	49,3	6,22	556,0	20,0	7,0	3,0	0,0
6695	86,7	6,17	548,0	20,0	8,0	2,0	1,0
6696	52,5	5,68	509,0	18,0	7,0	2,0	0,0
6697	48,4	5,43	480,0	18,0	7,0	2,0	1,0
6698	79,4	7,30	645,0	24,0	10,0	3,0	1,0
6699	60,4	6,44	565,0	22,0	9,0	3,0	1,0
6700	62,8	4,36	373,0	16,0	7,0	3,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6701	72,3	3,74	321,0	14,0	6,0	2,0	1,0
6702	93,3	5,38	461,0	21,0	9,0	3,0	1,0
6703	109,5	4,34	361,0	20,0	8,0	3,0	1,0
6704	82,0	7,91	712,0	20,0	8,0	6,0	0,0
6705	205,3	22,42	2006,0	73,0	28,0	8,0	0,0
6706	91,6	20,03	1786,0	65,0	26,0	7,0	1,0
6707	65,3	17,66	1567,0	58,0	24,0	7,0	1,0
6708	134,9	22,12	1919,0	83,0	37,0	11,0	1,0
6709	93,0	15,01	1283,0	59,0	26,0	8,0	3,0
6710	107,5	13,27	1114,0	62,0	21,0	10,0	2,0
6711	153,8	13,30	1114,0	62,0	22,0	10,0	2,0
6712	225,5	13,30	1114,0	62,0	22,0	10,0	2,0
6713	118,8	10,20	814,0	55,0	23,0	10,0	2,0
6714	270,0	10,17	814,0	50,0	24,0	11,0	2,0
6715	192,8	10,06	814,0	50,0	21,0	10,0	2,0
6716	237,5	9,94	814,0	45,0	20,0	10,0	2,0
6717	208,4	6,62	553,0	28,0	13,0	4,0	2,0
6718	161,9	6,62	553,0	28,0	13,0	4,0	2,0
6719	119,8	5,97	505,0	23,0	10,0	4,0	2,0
6720	154,4	5,97	505,0	23,0	10,0	4,0	2,0
6721	164,6	5,97	505,0	23,0	10,0	4,0	2,0
6722	145,6	11,79	974,0	51,0	25,0	9,0	3,0
6723	72,8	11,79	974,0	51,0	25,0	9,0	3,0
6724	66,8	45,89	3669,0	228,0	118,0	42,0	9,0
6725	117,8	45,89	3669,0	228,0	118,0	42,0	9,0
6726	109,0	75,52	5944,0	389,0	210,0	74,0	17,0
6727	129,8	75,52	5944,0	389,0	210,0	74,0	17,0
6728	62,4	64,46	4987,0	344,0	190,0	70,0	17,0
6729	185,9	64,46	4987,0	344,0	190,0	70,0	17,0
6730	119,9	58,28	4502,0	311,0	172,0	63,0	17,0
6731	122,0	58,28	4502,0	311,0	172,0	63,0	17,0
6732	85,3	42,10	3403,0	197,0	102,0	37,0	10,0
6733	145,9	40,67	3492,0	156,0	70,0	23,0	5,0
6734	101,2	40,67	3492,0	156,0	70,0	23,0	5,0
6735	98,9	40,67	3492,0	156,0	70,0	23,0	5,0
6736	111,5	45,80	3960,0	172,0	76,0	23,0	5,0
6737	91,7	45,80	3960,0	172,0	76,0	23,0	5,0
6738	155,2	54,14	4560,0	223,0	108,0	35,0	8,0
6739	79,5	54,14	4560,0	223,0	108,0	35,0	8,0
6740	128,6	55,10	4543,0	246,0	123,0	41,0	10,0
6741	135,9	55,10	4543,0	246,0	123,0	41,0	10,0
6742	144,8	55,10	4543,0	246,0	123,0	41,0	10,0
6743	133,4	63,22	5162,0	294,0	149,0	50,0	11,0
6744	107,3	63,22	5162,0	294,0	149,0	50,0	11,0
6745	160,8	70,09	5670,0	333,0	174,0	59,0	13,0
6746	120,3	70,09	5670,0	333,0	174,0	59,0	13,0
6747	135,8	88,65	7175,0	416,0	218,0	76,0	18,0
6748	121,2	88,65	7175,0	416,0	218,0	76,0	18,0
6749	123,0	95,13	7596,0	466,0	249,0	87,0	21,0
6750	114,5	95,13	7596,0	466,0	249,0	87,0	21,0
6751	140,5	95,13	7596,0	466,0	249,0	87,0	21,0
6752	42,4	148,10	11507,0	790,0	436,0	154,0	34,0
6753	90,3	172,11	13096,0	957,0	544,0	198,0	48,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6754	132,7	172,11	13096,0	957,0	544,0	198,0	48,0
6755	141,4	165,69	12500,0	936,0	535,0	200,0	50,0
6756	125,2	165,69	12500,0	936,0	535,0	200,0	50,0
6757	110,8	118,03	9074,0	632,0	352,0	134,0	36,0
6758	136,2	118,03	9074,0	632,0	352,0	134,0	36,0
6759	125,7	82,13	6554,0	405,0	212,0	75,0	20,0
6760	113,6	82,13	6554,0	405,0	212,0	75,0	20,0
6761	140,2	69,11	5633,0	321,0	162,0	56,0	14,0
6762	98,7	69,11	5633,0	321,0	162,0	56,0	14,0
6763	114,3	56,85	4685,0	255,0	125,0	43,0	11,0
6764	83,6	44,60	3738,0	188,0	89,0	30,0	8,0
6765	90,2	42,10	3596,0	162,0	76,0	24,0	7,0
6766	114,6	42,10	3596,0	162,0	76,0	24,0	7,0
6767	115,1	39,06	3359,0	148,0	66,0	21,0	6,0
6768	168,8	39,06	3359,0	148,0	66,0	21,0	6,0
6769	122,5	39,06	3359,0	148,0	66,0	21,0	6,0
6770	115,2	36,25	3109,0	140,0	63,0	20,0	5,0
6771	165,3	36,25	3109,0	140,0	63,0	20,0	5,0
6772	152,6	26,96	2302,0	107,0	48,0	15,0	4,0
6773	126,3	26,96	2302,0	107,0	48,0	15,0	4,0
6774	148,2	24,68	2089,0	102,0	46,0	15,0	4,0
6775	98,8	24,68	2089,0	102,0	46,0	15,0	4,0
6776	179,7	20,60	1746,0	86,0	38,0	12,0	3,0
6777	155,1	20,60	1746,0	86,0	38,0	12,0	3,0
6778	156,5	20,60	1746,0	86,0	38,0	12,0	3,0
6779	124,9	20,11	1702,0	83,0	37,0	13,0	3,0
6780	102,9	20,11	1702,0	83,0	37,0	13,0	3,0
6781	113,6	18,96	1611,0	78,0	34,0	11,0	3,0
6782	228,7	18,96	1611,0	78,0	34,0	11,0	3,0
6783	295,6	18,96	1611,0	78,0	34,0	11,0	3,0
6784	140,9	19,08	1614,0	79,0	35,0	11,0	4,0
6785	161,1	19,08	1614,0	79,0	35,0	11,0	4,0
6786	125,0	17,34	1473,0	71,0	31,0	10,0	3,0
6787	221,9	17,34	1473,0	71,0	31,0	10,0	3,0
6788	67,7	17,98	1534,0	74,0	32,0	10,0	2,0
6789	72,1	17,49	1493,0	72,0	32,0	10,0	1,0
6790	49,8	19,50	1668,0	81,0	34,0	11,0	1,0
6791	95,5	17,22	1461,0	71,0	31,0	10,0	3,0
6792	92,3	17,22	1461,0	71,0	31,0	10,0	3,0
6793	108,1	16,69	1421,0	68,0	30,0	10,0	2,0
6794	96,3	16,23	1381,0	66,0	29,0	10,0	2,0
6795	96,1	14,58	1250,0	55,0	25,0	9,0	2,0
6796	132,4	14,96	1300,0	56,0	20,0	9,0	2,0
6797	98,4	15,05	1320,0	50,0	20,0	9,0	2,0
6798	70,6	15,14	1325,0	52,0	20,0	9,0	2,0
6799	97,4	14,35	1250,0	52,0	20,0	8,0	2,0
6800	79,0	14,38	1250,0	52,0	21,0	8,0	2,0
6801	72,5	14,22	1240,0	50,0	20,0	8,0	2,0
6802	187,9	14,29	1240,0	54,0	20,0	8,0	2,0
6803	105,7	14,32	1250,0	50,0	20,0	8,0	2,0
6804	81,4	12,67	1100,0	51,0	14,0	8,0	2,0
6805	76,4	7,24	560,0	34,0	20,0	10,0	3,0
6806	23,6	7,27	560,0	34,0	21,0	10,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6807	75,3	8,48	656,0	40,0	24,0	14,0	1,0
6808	45,3	7,74	650,0	22,0	14,0	8,0	4,0
6809	89,2	7,84	680,0	20,0	13,0	8,0	1,0
6810	62,2	8,03	700,0	21,0	12,0	8,0	1,0
6811	139,7	7,53	650,0	21,0	12,0	8,0	1,0
6812	90,2	7,57	650,0	20,0	14,0	8,0	1,0
6813	124,3	7,43	645,0	20,0	12,0	7,0	1,0
6814	140,4	4,42	346,0	21,0	12,0	6,0	1,0
6815	101,1	4,42	346,0	21,0	12,0	6,0	1,0
6816	129,8	4,42	346,0	21,0	12,0	6,0	1,0
6817	197,3	5,82	487,0	20,0	11,0	7,0	1,0
6818	192,3	5,82	487,0	20,0	11,0	7,0	1,0
6819	148,3	10,19	776,0	49,0	29,0	15,0	5,0
6820	190,7	10,19	776,0	49,0	29,0	15,0	5,0
6821	163,8	10,19	776,0	49,0	29,0	15,0	5,0
6822	131,0	9,79	774,0	44,0	24,0	12,0	4,0
6823	168,7	9,61	774,0	44,0	24,0	12,0	0,0
6824	149,4	9,61	774,0	44,0	24,0	12,0	0,0
6825	172,4	13,00	1075,0	52,0	26,0	12,0	4,0
6826	142,1	13,00	1075,0	52,0	26,0	12,0	4,0
6827	187,4	11,16	930,0	45,0	22,0	9,0	3,0
6828	175,7	11,16	930,0	45,0	22,0	9,0	3,0
6829	216,1	11,16	930,0	45,0	22,0	9,0	3,0
6830	159,8	11,16	930,0	45,0	22,0	9,0	3,0
6831	85,0	6,91	564,0	32,0	16,0	6,0	1,0
6832	46,4	10,20	815,0	52,0	26,0	9,0	2,0
6833	48,8	16,93	1325,0	91,0	46,0	16,0	5,0
6834	92,9	34,45	2671,0	191,0	98,0	35,0	9,0
6835	101,1	34,45	2671,0	191,0	98,0	35,0	9,0
6836	134,9	63,05	4858,0	357,0	185,0	65,0	16,0
6837	166,5	63,05	4858,0	357,0	185,0	65,0	16,0
6838	146,2	63,05	4858,0	357,0	185,0	65,0	16,0
6839	183,0	52,23	3991,0	300,0	156,0	57,0	15,0
6840	130,8	52,23	3991,0	300,0	156,0	57,0	15,0
6841	156,0	52,23	3991,0	300,0	156,0	57,0	15,0
6842	143,9	29,55	2273,0	166,0	86,0	31,0	9,0
6843	139,8	29,55	2273,0	166,0	86,0	31,0	9,0
6844	150,3	29,55	2273,0	166,0	86,0	31,0	9,0
6845	150,3	15,25	1157,0	88,0	45,0	17,0	6,0
6846	170,3	15,25	1157,0	88,0	45,0	17,0	6,0
6847	236,1	10,38	798,0	58,0	29,0	11,0	4,0
6848	172,7	10,38	798,0	58,0	29,0	11,0	4,0
6849	142,5	8,12	636,0	42,0	22,0	9,0	2,0
6850	67,9	8,12	636,0	42,0	22,0	9,0	2,0
6851	74,5	7,63	613,0	38,0	18,0	8,0	1,0
6852	95,5	7,87	634,0	37,0	18,0	8,0	2,0
6853	141,3	7,87	634,0	37,0	18,0	8,0	2,0
6854	175,6	7,87	634,0	37,0	18,0	8,0	2,0
6855	142,0	8,28	685,0	36,0	18,0	7,0	1,0
6856	181,0	8,28	685,0	36,0	18,0	7,0	1,0
6857	188,6	7,67	638,0	33,0	16,0	6,0	1,0
6858	114,2	7,67	638,0	33,0	16,0	6,0	1,0
6859	122,8	6,74	562,0	29,0	14,0	5,0	1,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6860	134,6	5,87	487,0	25,0	12,0	5,0	1,0
6861	110,9	5,87	487,0	25,0	12,0	5,0	1,0
6862	62,7	6,69	548,0	30,0	15,0	6,0	1,0
6863	60,0	9,29	751,0	46,0	23,0	8,0	1,0
6864	41,5	18,35	1458,0	98,0	50,0	17,0	1,0
6865	80,3	22,68	1773,0	122,0	63,0	22,0	6,0
6866	150,9	22,68	1773,0	122,0	63,0	22,0	6,0
6867	86,2	16,51	1286,0	90,0	46,0	17,0	4,0
6868	69,2	7,83	613,0	43,0	22,0	8,0	1,0
6869	87,3	7,83	613,0	43,0	22,0	8,0	1,0
6870	127,4	4,77	372,0	24,0	13,0	5,0	2,0
6871	104,2	3,27	247,0	16,0	12,0	4,0	1,0
6872	106,3	3,27	247,0	16,0	12,0	4,0	1,0
6873	248,7	3,27	247,0	16,0	12,0	4,0	1,0
6874	98,0	3,77	299,0	18,0	10,0	4,0	1,0
6875	81,8	3,54	280,0	17,0	9,0	4,0	1,0
6876	35,5	3,31	264,0	15,0	8,0	4,0	1,0
6877	48,3	3,16	249,0	15,0	8,0	4,0	1,0
6878	86,4	3,56	279,0	16,0	8,0	5,0	2,0
6879	35,5	3,07	240,0	15,0	8,0	4,0	1,0
6880	21,9	1,70	130,0	8,0	4,0	3,0	1,0
6881	36,1	1,44	106,0	7,0	5,0	2,0	1,0
6882	24,3	1,49	108,0	7,0	5,0	3,0	1,0
6883	56,9	1,51	110,0	8,0	4,0	2,0	2,0
6884	82,2	1,65	125,0	8,0	5,0	2,0	1,0
6885	124,2	1,23	81,0	9,0	5,0	1,0	2,0
6886	111,5	3,00	232,0	14,0	9,0	4,0	1,0
6887	112,5	3,00	232,0	14,0	9,0	4,0	1,0
6888	141,5	3,08	250,0	11,0	7,0	4,0	1,0
6889	265,2	3,10	260,0	10,0	8,0	3,0	0,0
6890	142,9	3,27	270,0	11,0	8,0	3,0	1,0
6891	225,7	3,37	280,0	11,0	8,0	3,0	1,0
6892	129,3	3,11	250,0	11,0	8,0	3,0	2,0
6893	75,0	3,16	250,0	12,0	8,0	4,0	2,0
6894	97,1	3,39	275,0	12,0	7,0	4,0	2,0
6895	84,8	3,49	285,0	12,0	7,0	4,0	2,0
6896	128,8	3,43	286,0	10,0	7,0	3,0	2,0
6897	207,6	3,41	287,0	10,0	6,0	3,0	2,0
6898	99,4	19,70	1455,0	102,0	62,0	32,0	11,0
6899	82,2	3,78	260,0	18,0	13,0	9,0	4,0
6900	24,8	8,30	595,0	42,0	28,0	16,0	6,0
6901	16,9	1,37	96,0	6,0	4,0	3,0	2,0
6902	31,6	1,69	129,0	8,0	4,0	4,0	0,0
6903	12,6	2,73	204,0	16,0	8,0	4,0	1,0
6904	169,6	2,73	204,0	16,0	8,0	4,0	1,0
6905	77,3	2,82	206,0	16,0	9,0	4,0	2,0
6906	64,9	2,05	151,0	11,0	7,0	3,0	1,0
6907	111,3	2,05	151,0	11,0	7,0	3,0	1,0
6908	86,8	4,74	359,0	26,0	14,0	6,0	2,0
6909	106,6	4,74	359,0	26,0	14,0	6,0	2,0
6910	60,0	12,44	946,0	70,0	37,0	15,0	4,0
6911	57,7	8,32	634,0	48,0	25,0	11,0	1,0
6912	53,6	5,81	434,0	33,0	17,0	8,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6913	42,1	4,42	329,0	25,0	14,0	6,0	2,0
6914	61,9	1,43	101,0	7,0	5,0	2,0	2,0
6915	117,2	1,23	86,0	6,0	4,0	3,0	1,0
6916	121,7	1,23	86,0	6,0	4,0	3,0	1,0
6917	103,1	0,69	55,0	4,0	0,0	2,0	0,0
6918	66,0	1,39	101,0	7,0	5,0	2,0	1,0
6919	120,5	1,39	101,0	7,0	5,0	2,0	1,0
6920	130,5	0,97	66,0	5,0	4,0	2,0	1,0
6921	64,4	0,97	66,0	5,0	4,0	2,0	1,0
6922	86,7	0,69	47,0	4,0	1,0	2,0	1,0
6923	76,0	0,69	47,0	4,0	1,0	2,0	1,0
6924	70,9	1,05	76,0	6,0	4,0	2,0	0,0
6925	43,5	0,81	54,0	4,0	3,0	2,0	1,0
6926	63,1	0,81	54,0	4,0	3,0	2,0	1,0
6927	99,2	0,81	54,0	4,0	3,0	2,0	1,0
6928	32,4	0,81	54,0	4,0	3,0	2,0	1,0
6929	49,9	0,81	54,0	4,0	3,0	2,0	1,0
6930	68,9	0,81	54,0	4,0	3,0	2,0	1,0
6931	57,5	0,76	54,0	3,0	2,0	2,0	1,0
6932	89,0	0,76	54,0	3,0	2,0	2,0	1,0
6933	86,7	0,75	46,0	4,0	2,0	2,0	2,0
6934	96,5	0,77	56,0	4,0	2,0	1,0	1,0
6935	32,3	0,79	52,0	4,0	3,0	2,0	1,0
6936	47,1	0,81	54,0	3,0	2,0	2,0	2,0
6937	73,0	0,76	55,0	4,0	2,0	1,0	1,0
6938	46,6	0,81	59,0	3,0	2,0	2,0	1,0
6939	70,1	0,81	59,0	3,0	2,0	2,0	1,0
6940	103,9	0,71	49,0	3,0	2,0	2,0	1,0
6941	97,7	0,81	54,0	4,0	3,0	2,0	1,0
6942	79,3	1,84	150,0	8,0	3,0	2,0	1,0
6943	93,6	1,94	160,0	8,0	3,0	2,0	1,0
6944	88,8	2,16	180,0	9,0	3,0	2,0	1,0
6945	90,8	2,32	190,0	9,0	4,0	3,0	1,0
6946	78,1	2,42	200,0	9,0	4,0	3,0	1,0
6947	86,5	2,52	210,0	9,0	4,0	3,0	1,0
6948	84,9	2,57	210,0	10,0	5,0	3,0	1,0
6949	96,2	3,97	350,0	10,0	5,0	3,0	1,0
6950	100,5	7,69	630,0	28,0	16,0	9,0	3,0
6951	100,9	12,57	1060,0	46,0	15,0	13,0	6,0
6952	145,4	12,26	1003,0	44,0	23,0	14,0	7,0
6953	147,7	12,26	1003,0	44,0	23,0	14,0	7,0
6954	141,1	15,63	1281,0	61,0	33,0	17,0	5,0
6955	111,9	15,68	1281,0	61,0	33,0	17,0	6,0
6956	134,7	15,68	1281,0	61,0	33,0	17,0	6,0
6957	123,2	39,42	3173,0	176,0	93,0	40,0	13,0
6958	151,7	39,42	3173,0	176,0	93,0	40,0	13,0
6959	123,2	99,84	7965,0	500,0	262,0	102,0	10,0
6960	141,5	99,84	7965,0	500,0	262,0	102,0	10,0
6961	184,3	99,88	7965,0	500,0	262,0	102,0	11,0
6962	148,6	167,56	13016,0	879,0	475,0	182,0	50,0
6963	211,6	167,56	13016,0	879,0	475,0	182,0	50,0
6964	175,6	167,56	13016,0	879,0	475,0	182,0	50,0
6965	163,9	234,33	17864,0	1275,0	711,0	282,0	77,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
6966	180,3	234,33	17864,0	1275,0	711,0	282,0	77,0
6967	201,1	234,33	17864,0	1275,0	711,0	282,0	77,0
6968	156,2	263,86	19873,0	1489,0	832,0	327,0	93,0
6969	93,2	270,11	20131,0	1554,0	880,0	352,0	100,0
6970	106,1	270,11	20131,0	1554,0	880,0	352,0	100,0
6971	246,4	270,11	20131,0	1554,0	880,0	352,0	100,0
6972	165,0	261,33	19487,3	1501,0	848,6	338,7	98,5
6973	146,8	261,33	19487,3	1501,0	848,6	338,7	98,5
6974	164,7	261,33	19487,3	1501,0	848,6	338,7	98,5
6975	135,8	237,54	17642,1	1370,8	780,1	314,5	92,3
6976	102,5	237,54	17642,1	1370,8	780,1	314,5	92,3
6977	116,0	237,54	17642,1	1370,8	780,1	314,5	92,3
6978	156,7	177,33	13108,1	1027,9	585,8	241,9	73,2
6979	138,4	129,32	9645,3	733,1	414,3	169,3	54,4
6980	133,7	129,32	9645,3	733,1	414,3	169,3	54,4
6981	118,2	158,29	11837,4	903,8	510,1	204,2	57,5
6982	142,5	158,29	11837,4	903,8	510,1	204,2	57,5
6983	121,1	185,88	13851,8	1060,6	606,7	246,2	68,7
6984	137,6	185,88	13851,8	1060,6	606,7	246,2	68,7
6985	140,7	197,50	14529,2	1158,5	670,4	271,9	78,6
6986	89,8	197,50	14529,2	1158,5	670,4	271,9	78,6
6987	40,8	87,35	6194,2	522,8	323,2	142,9	48,4
6988	67,7	130,65	9528,7	775,7	456,6	187,4	52,9
6989	33,2	53,61	3751,7	327,5	202,6	92,5	31,8
6990	17,1	21,03	1481,3	122,1	75,3	37,4	14,4
6991	193,8	33,81	2508,0	191,0	109,0	47,0	15,0
6992	92,5	33,81	2508,0	191,0	109,0	47,0	15,0
6993	50,3	20,82	1512,0	120,0	69,0	32,0	12,0
6994	16,6	5,83	305,0	30,0	30,0	25,0	12,0
6995	22,2	7,91	417,0	39,0	38,0	35,0	17,0
6996	20,7	5,59	319,0	26,0	24,0	21,0	12,0
6997	17,4	4,24	251,0	20,0	18,0	16,0	7,0
6998	10,3	3,44	189,0	16,0	15,0	14,0	8,0
6999	15,8	4,03	235,0	18,0	16,0	16,0	8,0
7000	15,2	3,21	194,0	14,0	12,0	12,0	6,0
7001	19,4	3,41	219,0	14,0	11,0	10,0	7,0
7002	26,6	4,29	304,0	17,0	12,0	10,0	6,0
7003	17,0	3,66	244,0	15,0	12,0	10,0	6,0
7004	26,0	4,01	261,0	17,0	13,0	12,0	7,0
7005	21,7	3,69	239,0	15,0	12,0	11,0	7,0
7006	20,3	3,10	197,0	13,0	10,0	10,0	6,0
7007	23,4	3,17	200,0	11,0	10,0	11,0	7,0
7008	16,8	2,55	160,0	10,0	8,0	8,0	6,0
7009	29,9	2,80	181,0	12,0	8,0	7,0	7,0
7010	22,9	3,65	230,0	13,0	11,0	13,0	8,0
7011	25,3	3,89	252,0	14,0	11,0	13,0	8,0
7012	40,8	3,72	245,0	12,0	10,0	12,0	8,0
7013	36,9	3,85	257,0	15,0	10,0	12,0	7,0
7014	31,7	3,88	278,0	16,0	10,0	9,0	5,0
7015	73,1	4,76	350,0	20,0	12,0	10,0	5,0
7016	39,9	4,38	313,0	19,0	12,0	10,0	5,0
7017	40,5	4,23	296,0	18,0	12,0	10,0	6,0
7018	45,0	4,09	286,0	17,0	11,0	10,0	6,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7019	113,8	4,09	286,0	17,0	11,0	10,0	6,0
7020	120,6	4,97	347,0	20,0	13,0	12,0	8,0
7021	103,0	4,97	347,0	20,0	13,0	12,0	8,0
7022	130,3	4,97	347,0	20,0	13,0	12,0	8,0
7023	122,7	5,64	406,0	24,0	15,0	12,0	7,0
7024	137,6	5,64	406,0	24,0	15,0	12,0	7,0
7025	92,6	6,55	483,0	29,0	17,0	12,0	7,0
7026	52,0	6,23	453,0	27,0	16,0	12,0	8,0
7027	111,6	9,38	715,0	43,0	24,0	14,0	7,0
7028	105,9	9,38	715,0	43,0	24,0	14,0	7,0
7029	51,2	17,96	1398,0	89,0	47,0	21,0	8,0
7030	97,7	17,96	1398,0	89,0	47,0	21,0	8,0
7031	120,6	30,82	2353,0	165,0	91,0	37,0	12,0
7032	94,3	37,21	2805,0	205,0	114,0	48,0	15,0
7033	111,6	37,21	2805,0	205,0	114,0	48,0	15,0
7034	108,7	26,49	1984,0	145,0	82,0	36,0	12,0
7035	114,5	26,49	1984,0	145,0	82,0	36,0	12,0
7036	89,5	16,88	1252,0	93,0	51,0	23,0	11,0
7037	60,0	11,01	822,0	57,0	31,0	16,0	8,0
7038	93,5	11,01	822,0	57,0	31,0	16,0	8,0
7039	39,7	9,63	723,0	47,0	26,0	14,0	8,0
7040	60,7	8,83	669,0	41,0	22,0	14,0	7,0
7041	47,5	8,53	657,0	38,0	20,0	12,0	7,0
7042	58,0	8,38	648,0	37,0	20,0	12,0	6,0
7043	43,6	6,97	531,0	32,0	17,0	10,0	6,0
7044	35,4	6,49	488,0	31,0	16,0	10,0	6,0
7045	65,2	6,49	488,0	31,0	16,0	10,0	6,0
7046	80,1	5,90	441,0	27,0	14,0	10,0	6,0
7047	64,6	5,29	403,0	24,0	12,0	8,0	5,0
7048	64,2	5,22	388,0	24,0	12,0	9,0	6,0
7049	88,5	5,07	389,0	23,0	11,0	8,0	4,0
7050	42,7	4,97	371,0	23,0	11,0	9,0	5,0
7051	50,7	5,38	399,0	25,0	13,0	9,0	6,0
7052	48,5	5,38	406,0	25,0	12,0	9,0	5,0
7053	46,6	5,57	422,0	25,0	13,0	9,0	5,0
7054	65,3	5,59	423,0	26,0	13,0	9,0	5,0
7055	46,5	5,50	416,0	24,0	12,0	9,0	6,0
7056	60,9	5,80	436,0	26,0	13,0	10,0	6,0
7057	52,7	6,30	473,0	29,0	14,0	10,0	7,0
7058	93,6	6,30	473,0	29,0	14,0	10,0	7,0
7059	53,0	5,77	432,0	26,0	13,0	9,0	7,0
7060	97,9	5,57	418,0	25,0	13,0	9,0	6,0
7061	65,3	5,38	404,0	24,0	12,0	9,0	6,0
7062	71,0	5,03	375,0	25,0	12,0	8,0	5,0
7063	110,0	4,91	363,0	22,0	11,0	9,0	6,0
7064	65,0	5,33	396,0	23,0	12,0	9,0	7,0
7065	111,1	5,33	396,0	23,0	12,0	9,0	7,0
7066	104,4	5,29	396,0	23,0	12,0	9,0	6,0
7067	134,1	5,29	396,0	23,0	12,0	9,0	6,0
7068	63,6	5,47	418,0	23,0	12,0	8,0	6,0
7069	74,1	5,47	418,0	23,0	12,0	8,0	6,0
7070	54,8	5,76	441,0	25,0	13,0	9,0	5,0
7071	63,5	5,88	454,0	26,0	12,0	8,0	6,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7072	79,3	6,29	495,0	25,0	11,0	8,0	7,0
7073	63,1	6,29	495,0	25,0	11,0	8,0	7,0
7074	47,9	6,24	494,0	26,0	12,0	8,0	5,0
7075	62,6	6,09	457,0	30,0	13,0	10,0	6,0
7076	47,1	8,79	674,0	41,0	21,0	12,0	7,0
7077	76,7	13,21	1017,0	67,0	35,0	16,0	7,0
7078	107,8	14,04	1078,0	76,0	39,0	16,0	6,0
7079	70,6	14,04	1078,0	76,0	39,0	16,0	6,0
7080	93,7	16,94	1290,0	92,0	49,0	21,0	7,0
7081	54,6	16,19	1248,0	82,0	43,0	20,0	8,0
7082	63,2	10,47	789,0	52,0	28,0	15,0	8,0
7083	41,9	11,28	868,0	53,0	28,0	15,0	8,0
7084	50,5	12,50	962,0	59,0	30,0	17,0	9,0
7085	57,1	7,67	573,0	37,0	20,0	13,0	6,0
7086	65,2	10,99	838,0	51,0	28,0	15,0	9,0
7087	68,7	25,59	1951,0	144,0	74,0	28,0	11,0
7088	0,6	3,76	262,0	19,0	13,0	10,0	2,0
7089	12,4	3,53	244,0	15,0	10,0	8,0	6,0
7090	37,7	3,14	218,0	13,0	9,0	6,0	6,0
7091	30,4	5,47	418,0	23,0	12,0	8,0	6,0
7092	41,7	5,47	418,0	23,0	12,0	8,0	6,0
7093	40,0	5,76	441,0	25,0	13,0	9,0	5,0
7094	24,7	4,54	356,0	19,0	9,0	6,0	4,0
7095	16,6	4,40	324,0	19,0	10,0	8,0	6,0
7096	44,8	3,05	216,0	13,0	8,0	6,0	5,0
7097	54,7	4,21	306,0	18,0	10,0	8,0	6,0
7098	59,9	4,93	366,0	21,0	11,0	8,0	7,0
7099	59,2	5,09	378,0	22,0	12,0	9,0	6,0
7100	33,7	4,90	365,0	21,0	12,0	8,0	6,0
7101	28,8	4,55	334,0	20,0	11,0	8,0	6,0
7102	42,7	4,09	298,0	18,0	10,0	7,0	6,0
7103	22,9	4,17	298,0	18,0	10,0	8,0	7,0
7104	29,3	5,13	388,0	23,0	12,0	7,0	6,0
7105	51,7	5,53	420,0	26,0	13,0	8,0	5,0
7106	41,9	7,25	566,0	35,0	18,0	7,0	5,0
7107	68,8	3,54	249,0	18,0	11,0	7,0	4,0
7108	34,6	3,50	245,0	17,0	10,0	7,0	5,0
7109	75,3	3,87	278,0	18,0	11,0	7,0	5,0
7110	112,1	3,87	278,0	18,0	11,0	7,0	5,0
7111	137,3	3,90	283,0	18,0	10,0	7,0	5,0
7112	116,1	3,90	288,0	18,0	10,0	7,0	4,0
7113	81,9	3,90	288,0	18,0	10,0	7,0	4,0
7114	66,4	5,60	443,0	23,0	12,0	7,0	4,0
7115	61,1	7,66	641,0	28,0	13,0	6,0	4,0
7116	76,6	7,66	641,0	28,0	13,0	6,0	4,0
7117	97,2	10,66	903,0	40,0	18,0	7,0	4,0
7118	104,7	11,08	917,0	42,0	19,0	8,0	8,0
7119	50,5	9,91	824,0	40,0	18,0	8,0	4,0
7120	70,4	9,91	824,0	40,0	18,0	8,0	4,0
7121	93,3	7,78	635,0	33,0	15,0	7,0	4,0
7122	76,4	7,78	635,0	33,0	15,0	7,0	4,0
7123	72,0	7,89	627,0	35,0	18,0	8,0	5,0
7124	142,0	7,64	609,0	35,0	17,0	8,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7125	108,2	7,41	590,0	34,0	16,0	8,0	4,0
7126	63,2	7,41	590,0	34,0	16,0	8,0	4,0
7127	54,7	7,31	578,0	33,0	16,0	8,0	5,0
7128	57,5	7,78	620,0	34,0	17,0	8,0	5,0
7129	135,5	8,88	702,0	42,0	21,0	10,0	4,0
7130	80,4	8,91	704,0	42,0	21,0	9,0	5,0
7131	51,9	8,90	705,0	41,0	21,0	9,0	5,0
7132	79,4	7,71	617,0	34,0	17,0	8,0	4,0
7133	69,8	7,65	612,0	33,0	16,0	8,0	5,0
7134	130,9	7,65	612,0	33,0	16,0	8,0	5,0
7135	98,6	8,13	653,0	36,0	18,0	8,0	4,0
7136	88,6	9,08	731,0	40,0	20,0	8,0	5,0
7137	120,6	8,50	656,0	40,0	22,0	10,0	6,0
7138	91,9	7,68	600,0	36,0	18,0	9,0	5,0
7139	40,6	7,01	549,0	32,0	16,0	8,0	5,0
7140	107,4	7,01	549,0	32,0	16,0	8,0	5,0
7141	75,2	6,93	543,0	31,0	16,0	8,0	5,0
7142	52,0	8,99	719,0	40,0	20,0	9,0	5,0
7143	45,3	8,80	695,0	40,0	20,0	9,0	6,0
7144	42,2	7,20	564,0	33,0	17,0	8,0	5,0
7145	55,0	6,17	479,0	28,0	15,0	7,0	5,0
7146	60,2	5,26	400,0	24,0	13,0	7,0	5,0
7147	39,4	4,83	366,0	21,0	12,0	7,0	5,0
7148	59,8	4,81	372,0	22,0	11,0	6,0	4,0
7149	70,8	4,81	365,0	22,0	12,0	6,0	5,0
7150	44,3	5,03	390,0	22,0	11,0	6,0	5,0
7151	61,8	5,95	465,0	26,0	13,0	6,0	6,0
7152	42,1	6,10	481,0	25,0	12,0	7,0	6,0
7153	102,8	6,17	488,0	26,0	13,0	7,0	5,0
7154	44,6	5,66	443,0	24,0	12,0	7,0	5,0
7155	53,1	5,34	413,0	23,0	12,0	7,0	5,0
7156	37,3	4,46	335,0	20,0	10,0	6,0	6,0
7157	93,6	4,46	335,0	20,0	10,0	6,0	6,0
7158	79,2	4,03	308,0	18,0	10,0	5,0	4,0
7159	79,3	3,89	288,0	17,0	10,0	6,0	5,0
7160	57,8	3,81	282,0	17,0	9,0	6,0	5,0
7161	53,7	4,03	302,0	17,0	10,0	6,0	5,0
7162	51,9	3,99	302,0	17,0	10,0	6,0	4,0
7163	84,5	4,42	333,0	20,0	11,0	6,0	5,0
7164	105,2	5,16	393,0	24,0	12,0	7,0	5,0
7165	65,6	5,16	393,0	24,0	12,0	7,0	5,0
7166	59,1	4,74	359,0	21,0	11,0	7,0	5,0
7167	66,4	4,61	346,0	21,0	11,0	7,0	5,0
7168	47,9	4,45	336,0	20,0	11,0	6,0	5,0
7169	63,7	4,60	338,0	21,0	12,0	7,0	6,0
7170	62,7	4,47	338,0	21,0	12,0	6,0	4,0
7171	73,8	4,35	328,0	21,0	11,0	6,0	4,0
7172	61,4	4,28	326,0	21,0	11,0	6,0	3,0
7173	75,2	5,06	385,0	24,0	13,0	7,0	4,0
7174	59,2	5,06	385,0	24,0	13,0	7,0	4,0
7175	56,8	5,26	395,0	25,0	13,0	8,0	5,0
7176	96,6	4,28	325,0	20,0	12,0	6,0	3,0
7177	78,4	4,59	350,0	20,0	11,0	7,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7178	54,4	5,99	467,0	26,0	14,0	7,0	5,0
7179	49,8	6,07	467,0	27,0	15,0	8,0	5,0
7180	69,4	4,99	378,0	22,0	13,0	8,0	4,0
7181	69,4	4,99	378,0	22,0	13,0	8,0	4,0
7182	69,4	4,99	378,0	22,0	13,0	8,0	4,0
7183	69,4	4,99	378,0	22,0	13,0	8,0	4,0
7184	153,3	4,42	343,0	17,0	11,0	7,0	3,0
7185	50,0	4,45	351,0	18,0	10,0	6,0	3,0
7186	42,0	4,94	390,0	19,0	10,0	7,0	4,0
7187	106,1	4,94	390,0	19,0	10,0	7,0	4,0
7188	106,1	4,98	390,0	19,0	10,0	7,0	5,0
7189	30,8	3,54	264,0	14,0	8,0	6,0	5,0
7190	40,2	4,43	344,0	16,0	10,0	7,0	4,0
7191	25,0	3,50	270,0	16,0	9,0	5,0	2,0
7192	41,7	3,11	232,0	14,0	8,0	4,0	4,0
7193	39,3	4,16	324,0	19,0	10,0	5,0	3,0
7194	46,7	5,53	431,0	25,0	14,0	6,0	4,0
7195	32,8	8,95	714,0	42,0	22,0	9,0	3,0
7196	25,0	4,62	369,0	20,0	11,0	5,0	2,0
7197	39,8	3,58	283,0	15,0	9,0	4,0	2,0
7198	50,3	3,05	235,0	13,0	7,0	4,0	3,0
7199	55,2	3,21	259,0	13,0	7,0	3,0	2,0
7200	51,3	3,22	261,0	14,0	6,0	3,0	2,0
7201	51,0	3,56	297,0	13,0	6,0	3,0	2,0
7202	54,7	4,93	413,0	17,0	8,0	4,0	3,0
7203	23,6	6,82	568,0	28,0	12,0	5,0	3,0
7204	39,9	5,65	464,0	24,0	11,0	4,0	3,0
7205	72,9	2,59	259,0	0,0	0,0	0,0	0,0
7206	93,3	2,59	259,0	0,0	0,0	0,0	0,0
7207	65,3	2,65	215,0	13,0	6,0	3,0	0,0
7208	120,3	2,65	215,0	13,0	6,0	3,0	0,0
7209	120,8	2,62	202,0	11,0	6,0	3,0	3,0
7210	136,6	2,62	202,0	11,0	6,0	3,0	3,0
7211	141,2	3,41	284,0	14,0	6,0	3,0	1,0
7212	128,3	3,41	284,0	14,0	6,0	3,0	1,0
7213	113,7	8,54	711,0	36,0	16,0	6,0	3,0
7214	140,0	8,54	711,0	36,0	16,0	6,0	3,0
7215	125,0	8,54	711,0	36,0	16,0	6,0	3,0
7216	166,7	8,54	711,0	36,0	16,0	6,0	3,0
7217	166,7	8,54	711,0	36,0	16,0	6,0	3,0
7218	126,8	23,29	1904,0	109,0	51,0	18,0	6,0
7219	97,0	37,05	2985,0	183,0	90,0	30,0	9,0
7220	89,3	37,05	2985,0	183,0	90,0	30,0	9,0
7221	97,1	43,65	3461,0	225,0	115,0	40,0	10,0
7222	66,9	49,55	3883,0	263,0	138,0	48,0	12,0
7223	66,6	49,55	3883,0	263,0	138,0	48,0	12,0
7224	83,1	46,49	3621,0	248,0	133,0	47,0	12,0
7225	140,7	46,49	3621,0	248,0	133,0	47,0	12,0
7226	135,0	50,47	3922,0	269,0	145,0	52,0	14,0
7227	135,7	50,47	3922,0	269,0	145,0	52,0	14,0
7228	119,9	43,34	3354,0	234,0	126,0	46,0	12,0
7229	76,6	43,34	3354,0	234,0	126,0	46,0	12,0
7230	93,2	27,16	2086,0	148,0	80,0	30,0	9,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7231	97,0	27,16	2086,0	148,0	80,0	30,0	9,0
7232	120,6	16,45	1266,0	88,0	48,0	18,0	6,0
7233	35,8	16,78	1322,0	86,0	45,0	16,0	5,0
7234	97,1	18,70	1490,0	93,0	48,0	17,0	5,0
7235	79,6	18,70	1490,0	93,0	48,0	17,0	5,0
7236	53,1	18,91	1513,0	92,0	48,0	17,0	5,0
7237	76,3	21,24	1705,0	104,0	52,0	18,0	6,0
7238	55,2	20,07	1608,0	100,0	49,0	18,0	5,0
7239	74,0	14,41	1152,0	72,0	35,0	13,0	4,0
7240	46,7	11,29	899,0	55,0	27,0	10,0	5,0
7241	56,9	5,30	420,0	26,0	12,0	5,0	3,0
7242	60,8	4,53	356,0	22,0	11,0	4,0	3,0
7243	39,4	3,07	241,0	15,0	7,0	3,0	2,0
7244	20,7	3,02	234,0	14,0	7,0	3,0	3,0
7245	15,7	3,02	234,0	14,0	7,0	3,0	3,0
7246	30,3	3,22	252,0	16,0	8,0	3,0	2,0
7247	72,7	3,22	252,0	16,0	8,0	3,0	2,0
7248	54,7	3,83	301,0	19,0	9,0	4,0	2,0
7249	66,8	3,34	264,0	16,0	8,0	3,0	2,0
7250	64,2	3,85	299,0	19,0	9,0	4,0	3,0
7251	79,4	3,22	254,0	15,0	8,0	3,0	2,0
7252	73,6	3,57	282,0	17,0	9,0	3,0	2,0
7253	54,2	3,64	288,0	18,0	9,0	3,0	2,0
7254	134,5	3,64	288,0	18,0	9,0	3,0	2,0
7255	97,6	3,76	296,0	18,0	9,0	4,0	2,0
7256	50,9	5,23	414,0	25,0	12,0	5,0	3,0
7257	59,5	4,31	345,0	20,0	10,0	4,0	2,0
7258	64,2	4,79	383,0	22,0	11,0	5,0	2,0
7259	52,0	4,79	383,0	22,0	11,0	5,0	2,0
7260	85,7	3,70	292,0	17,0	9,0	4,0	2,0
7261	45,7	3,10	240,0	14,0	8,0	4,0	2,0
7262	71,6	3,51	268,0	15,0	9,0	5,0	3,0
7263	47,1	3,77	284,0	18,0	11,0	5,0	3,0
7264	36,0	6,68	507,0	30,0	18,0	10,0	5,0
7265	49,8	3,46	260,0	15,0	9,0	6,0	3,0
7266	48,3	3,96	298,0	19,0	12,0	5,0	3,0
7267	57,7	3,17	229,0	15,0	11,0	5,0	3,0
7268	54,8	3,74	270,0	18,0	12,0	6,0	4,0
7269	43,1	5,15	372,0	24,0	15,0	9,0	6,0
7270	42,1	4,50	334,0	21,0	13,0	7,0	4,0
7271	60,7	3,91	297,0	18,0	10,0	6,0	3,0
7272	50,0	7,82	607,0	39,0	22,0	9,0	3,0
7273	63,6	85,39	6433,0	496,0	278,0	98,0	25,0
7274	70,1	134,58	9929,0	810,0	470,0	175,0	39,0
7275	72,2	16,45	1266,0	88,0	48,0	18,0	6,0
7276	80,0	16,78	1322,0	86,0	45,0	16,0	5,0
7277	75,0	18,70	1490,0	93,0	48,0	17,0	5,0
7278	83,0	18,70	1490,0	93,0	48,0	17,0	5,0
7279	50,0	18,91	1513,0	92,0	48,0	17,0	5,0
7280	47,2	21,24	1705,0	104,0	52,0	18,0	6,0
7281	38,4	20,07	1608,0	100,0	49,0	18,0	5,0
7282	36,6	20,07	1608,0	100,0	49,0	18,0	5,0
7283	46,7	6,10	474,0	30,0	16,0	6,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7284	30,6	4,08	326,0	16,0	8,0	5,0	3,0
7285	37,3	3,51	270,0	14,0	9,0	5,0	3,0
7286	44,2	5,12	394,0	22,0	12,0	8,0	4,0
7287	36,5	5,94	458,0	25,0	15,0	9,0	4,0
7288	48,2	5,94	458,0	25,0	15,0	9,0	4,0
7289	98,8	4,44	337,0	19,0	11,0	7,0	4,0
7290	47,6	3,32	250,0	14,0	8,0	5,0	4,0
7291	48,4	3,56	263,0	15,0	10,0	6,0	4,0
7292	40,1	3,51	262,0	15,0	10,0	6,0	3,0
7293	34,3	3,75	276,0	16,0	10,0	7,0	4,0
7294	45,5	3,72	258,0	17,0	12,0	8,0	5,0
7295	35,0	3,45	240,0	17,0	12,0	8,0	3,0
7296	89,7	2,67	182,0	13,0	10,0	6,0	3,0
7297	48,3	2,69	176,0	13,0	10,0	7,0	4,0
7298	35,1	2,47	166,0	12,0	9,0	6,0	3,0
7299	36,7	2,65	172,0	13,0	10,0	7,0	4,0
7300	70,5	2,44	161,0	11,0	9,0	7,0	3,0
7301	83,6	2,46	167,0	11,0	9,0	6,0	3,0
7302	55,7	2,57	176,0	12,0	9,0	6,0	3,0
7303	92,9	2,65	188,0	12,0	9,0	5,0	3,0
7304	70,4	2,68	189,0	12,0	8,0	5,0	4,0
7305	76,0	2,85	196,0	13,0	8,0	6,0	5,0
7306	66,4	3,39	235,0	15,0	11,0	7,0	5,0
7307	46,6	2,72	198,0	12,0	8,0	5,0	3,0
7308	25,6	2,70	195,0	12,0	7,0	6,0	3,0
7309	39,0	2,85	204,0	13,0	8,0	5,0	4,0
7310	55,9	2,70	197,0	12,0	7,0	4,0	4,0
7311	73,2	2,47	183,0	11,0	6,0	4,0	3,0
7312	13,1	2,70	196,0	12,0	8,0	5,0	3,0
7313	41,3	2,44	178,0	11,0	7,0	5,0	2,0
7314	42,0	2,44	178,0	11,0	7,0	5,0	2,0
7315	38,5	2,35	170,0	11,0	8,0	4,0	2,0
7316	24,2	2,72	195,0	12,0	9,0	5,0	3,0
7317	88,0	2,56	182,0	12,0	8,0	5,0	3,0
7318	73,5	2,56	182,0	12,0	8,0	5,0	3,0
7319	83,9	2,85	209,0	13,0	8,0	5,0	3,0
7320	82,1	2,85	213,0	13,0	8,0	5,0	2,0
7321	41,2	2,85	213,0	13,0	8,0	5,0	2,0
7322	41,5	3,94	301,0	16,0	11,0	6,0	3,0
7323	80,9	4,15	301,0	20,0	13,0	7,0	4,0
7324	93,5	5,95	455,0	28,0	16,0	8,0	4,0
7325	132,3	5,95	455,0	28,0	16,0	8,0	4,0
7326	73,9	6,96	549,0	34,0	18,0	8,0	2,0
7327	134,6	7,05	548,0	35,0	18,0	9,0	3,0
7328	56,2	7,05	548,0	35,0	18,0	9,0	3,0
7329	121,4	5,74	443,0	27,0	15,0	8,0	3,0
7330	126,3	3,95	304,0	18,0	10,0	5,0	3,0
7331	46,8	3,62	282,0	17,0	8,0	4,0	3,0
7332	85,7	4,05	321,0	18,0	9,0	4,0	3,0
7333	125,7	3,96	313,0	17,0	9,0	4,0	3,0
7334	72,7	3,46	272,0	14,0	8,0	4,0	3,0
7335	27,0	4,40	343,0	20,0	11,0	5,0	3,0
7336	113,7	4,40	343,0	20,0	11,0	5,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7337	43,1	3,60	276,0	16,0	9,0	5,0	3,0
7338	64,2	3,25	253,0	15,0	8,0	4,0	2,0
7339	61,0	2,98	224,0	13,0	7,0	5,0	3,0
7340	108,2	6,41	497,0	30,0	16,0	8,0	4,0
7341	19,0	5,37	403,0	25,0	14,0	8,0	5,0
7342	28,2	5,09	392,0	24,0	13,0	7,0	3,0
7343	125,9	4,65	352,0	21,0	12,0	7,0	4,0
7344	14,7	4,45	334,0	20,0	12,0	7,0	4,0
7345	27,8	3,29	234,0	16,0	10,0	6,0	4,0
7346	20,5	2,74	189,0	12,0	9,0	6,0	4,0
7347	48,6	2,76	185,0	13,0	9,0	6,0	5,0
7348	67,8	2,77	192,0	14,0	8,0	7,0	3,0
7349	141,3	3,36	245,0	15,0	9,0	6,0	4,0
7350	82,9	4,78	359,0	20,0	12,0	8,0	5,0
7351	110,9	4,78	359,0	20,0	12,0	8,0	5,0
7352	175,3	5,01	379,0	20,0	13,0	8,0	5,0
7353	185,2	4,41	332,0	18,0	11,0	8,0	4,0
7354	119,0	4,41	332,0	18,0	11,0	8,0	4,0
7355	119,7	4,38	322,0	18,0	12,0	8,0	5,0
7356	141,6	4,13	314,0	17,0	11,0	7,0	3,0
7357	157,4	4,05	306,0	17,0	11,0	7,0	3,0
7358	173,3	3,36	256,0	15,0	8,0	5,0	3,0
7359	209,5	3,36	256,0	15,0	8,0	5,0	3,0
7360	190,4	10,27	795,0	48,0	28,0	12,0	6,0
7361	76,3	9,28	701,0	46,0	28,0	13,0	5,0
7362	58,8	12,07	930,0	55,0	33,0	16,0	7,0
7363	112,5	12,07	930,0	55,0	33,0	16,0	7,0
7364	69,1	13,43	1063,0	60,0	34,0	15,0	6,0
7365	66,3	12,07	930,0	55,0	33,0	16,0	7,0
7366	84,7	12,07	930,0	55,0	33,0	16,0	7,0
7367	128,3	8,54	711,0	36,0	16,0	6,0	3,0
7368	65,6	8,54	711,0	36,0	16,0	6,0	3,0
7369	113,0	8,54	711,0	36,0	16,0	6,0	3,0
7370	57,7	8,54	711,0	36,0	16,0	6,0	3,0
7371	29,8	8,54	711,0	36,0	16,0	6,0	3,0
7372	52,7	12,07	930,0	55,0	33,0	16,0	7,0
7373	34,6	12,07	930,0	55,0	33,0	16,0	7,0
7374	50,0	11,03	851,0	56,0	29,0	13,0	6,0
7375	40,5	8,14	623,0	41,0	22,0	10,0	5,0
7376	57,5	8,54	711,0	36,0	16,0	6,0	3,0
7377	73,3	8,54	711,0	36,0	16,0	6,0	3,0
7378	38,7	8,54	711,0	36,0	16,0	6,0	3,0
7379	42,3	8,54	711,0	36,0	16,0	6,0	3,0
7380	41,3	8,54	711,0	36,0	16,0	6,0	3,0
7381	57,0	12,07	930,0	55,0	33,0	16,0	7,0
7382	70,5	12,07	930,0	55,0	33,0	16,0	7,0
7383	77,7	13,43	1063,0	60,0	34,0	15,0	6,0
7384	85,3	12,07	930,0	55,0	33,0	16,0	7,0
7385	81,7	11,98	930,0	50,0	33,0	16,0	7,0
7386	75,4	11,35	900,0	50,0	30,0	14,0	3,0
7387	62,8	12,37	980,0	55,0	35,0	14,0	3,0
7388	53,8	11,85	950,0	50,0	30,0	14,0	3,0
7389	88,8	10,93	890,0	40,0	25,0	14,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7390	90,2	8,79	750,0	20,0	17,0	7,0	5,0
7391	39,2	7,13	556,0	25,0	12,0	16,0	5,0
7392	83,5	21,14	1736,0	89,0	47,0	19,0	5,0
7393	40,8	21,09	1736,0	89,0	47,0	19,0	4,0
7394	43,8	12,46	1000,0	53,0	29,0	14,0	5,0
7395	46,6	6,92	538,0	29,0	16,0	9,0	6,0
7396	47,6	4,50	349,0	19,0	12,0	6,0	3,0
7397	62,9	3,38	248,0	17,0	9,0	6,0	3,0
7398	99,2	3,83	301,0	19,0	9,0	4,0	2,0
7399	99,8	3,34	264,0	16,0	8,0	3,0	2,0
7400	85,2	3,85	299,0	19,0	9,0	4,0	3,0
7401	92,7	3,22	254,0	15,0	8,0	3,0	2,0
7402	76,4	3,57	282,0	17,0	9,0	3,0	2,0
7403	90,1	3,64	288,0	18,0	9,0	3,0	2,0
7404	124,1	3,64	288,0	18,0	9,0	3,0	2,0
7405	85,3	3,76	296,0	18,0	9,0	4,0	2,0
7406	116,3	5,23	414,0	25,0	12,0	5,0	3,0
7407	85,2	4,31	345,0	20,0	10,0	4,0	2,0
7408	83,4	2,40	188,0	9,0	5,0	5,0	1,0
7409	108,0	2,40	188,0	9,0	5,0	5,0	1,0
7410	87,0	2,58	201,0	10,0	6,0	5,0	1,0
7411	85,4	2,98	229,0	10,0	7,0	4,0	4,0
7412	61,6	2,98	229,0	10,0	7,0	4,0	4,0
7413	71,5	9,09	566,0	36,0	57,0	26,0	7,0
7414	77,0	16,99	1257,0	91,0	57,0	26,0	7,0
7415	103,1	16,99	1257,0	91,0	57,0	26,0	7,0
7416	116,2	17,21	1283,0	88,0	57,0	25,0	8,0
7417	140,2	12,13	919,0	55,0	38,0	17,0	7,0
7418	90,2	12,13	919,0	55,0	38,0	17,0	7,0
7419	95,1	8,66	664,0	39,0	23,0	12,0	6,0
7420	70,8	6,57	514,0	28,0	17,0	8,0	4,0
7421	63,3	5,69	445,0	25,0	15,0	7,0	3,0
7422	63,8	4,73	356,0	19,0	12,0	8,0	5,0
7423	82,5	4,91	374,0	19,0	12,0	8,0	5,0
7424	83,1	4,61	374,0	17,0	9,0	4,0	4,0
7425	139,4	4,06	331,0	14,0	7,0	5,0	3,0
7426	101,6	4,06	331,0	14,0	7,0	5,0	3,0
7427	144,4	3,82	312,0	12,0	8,0	5,0	2,0
7428	43,5	3,27	261,0	11,0	7,0	5,0	2,0
7429	52,6	2,84	227,0	10,0	6,0	4,0	2,0
7430	64,0	2,84	227,0	10,0	6,0	4,0	2,0
7431	67,4	2,71	208,0	8,0	6,0	4,0	4,0
7432	71,7	2,61	208,0	8,0	4,0	4,0	3,0
7433	70,0	3,00	240,0	9,0	6,0	4,0	3,0
7434	63,8	3,10	251,0	11,0	6,0	4,0	2,0
7435	74,0	3,17	248,0	11,0	5,0	5,0	4,0
7436	104,0	3,17	248,0	11,0	5,0	5,0	4,0
7437	102,8	3,04	247,0	11,0	5,0	4,0	2,0
7438	110,8	3,04	247,0	11,0	5,0	4,0	2,0
7439	95,8	3,19	258,0	13,0	5,0	3,0	3,0
7440	106,3	3,19	258,0	13,0	5,0	3,0	3,0
7441	112,1	3,93	313,0	14,0	7,0	5,0	4,0
7442	64,3	4,76	390,0	18,0	8,0	4,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7443	76,9	4,76	390,0	18,0	8,0	4,0	4,0
7444	102,6	5,89	495,0	20,0	10,0	5,0	3,0
7445	112,7	5,87	495,0	19,0	10,0	5,0	3,0
7446	108,1	6,06	508,0	25,0	11,0	4,0	2,0
7447	115,9	6,06	508,0	25,0	11,0	4,0	2,0
7448	119,1	5,71	483,0	23,0	10,0	3,0	2,0
7449	97,1	5,71	483,0	23,0	10,0	3,0	2,0
7450	91,9	3,57	291,0	15,0	7,0	3,0	2,0
7451	114,3	3,57	291,0	15,0	7,0	3,0	2,0
7452	102,8	5,12	421,0	20,0	10,0	4,0	3,0
7453	83,0	5,80	475,0	22,0	11,0	5,0	4,0
7454	100,9	5,92	475,0	23,0	12,0	6,0	5,0
7455	122,9	5,62	468,0	22,0	10,0	4,0	3,0
7456	89,8	6,22	514,0	23,0	10,0	6,0	4,0
7457	79,7	6,22	514,0	23,0	10,0	6,0	4,0
7458	88,5	6,54	554,0	25,0	10,0	4,0	3,0
7459	71,8	4,75	393,0	18,0	8,0	4,0	3,0
7460	100,3	4,75	393,0	18,0	8,0	4,0	3,0
7461	79,3	4,59	379,0	16,0	7,0	4,0	4,0
7462	50,1	4,54	374,0	16,0	7,0	4,0	4,0
7463	67,7	3,79	305,0	14,0	8,0	5,0	2,0
7464	41,0	3,33	265,0	13,0	8,0	4,0	2,0
7465	67,4	3,04	234,0	12,0	6,0	4,0	4,0
7466	35,9	3,31	265,0	12,0	6,0	3,0	4,0
7467	67,9	9,16	736,0	38,0	20,0	10,0	5,0
7468	70,0	5,69	445,0	25,0	15,0	7,0	3,0
7469	56,3	4,73	356,0	19,0	12,0	8,0	5,0
7470	45,4	4,91	374,0	19,0	12,0	8,0	5,0
7471	27,3	4,61	374,0	17,0	9,0	4,0	4,0
7472	40,8	4,06	331,0	14,0	7,0	5,0	3,0
7473	27,7	4,06	331,0	14,0	7,0	5,0	3,0
7474	14,0	4,20	336,0	18,0	9,0	4,0	3,0
7475	31,4	4,90	392,0	21,0	11,0	6,0	2,0
7476	18,8	3,56	280,0	15,0	8,0	4,0	3,0
7477	49,8	3,64	287,0	15,0	7,0	5,0	3,0
7478	19,9	3,45	273,0	14,0	7,0	4,0	3,0
7479	18,1	3,45	273,0	14,0	7,0	4,0	3,0
7480	17,3	3,64	294,6	15,1	8,3	4,3	3,0
7481	34,7	3,33	266,0	14,0	7,0	4,0	2,0
7482	42,6	3,32	255,0	14,0	6,0	5,0	4,0
7483	22,4	3,32	255,0	14,0	6,0	5,0	4,0
7484	37,5	3,00	222,0	13,0	7,0	5,0	4,0
7485	35,1	2,80	212,0	12,0	7,0	4,0	3,0
7486	34,2	3,38	258,0	14,0	7,0	5,0	4,0
7487	28,5	3,64	278,0	16,0	8,0	5,0	4,0
7488	34,2	3,81	303,0	16,0	8,0	4,0	3,0
7489	30,0	3,82	300,0	16,0	8,0	5,0	3,0
7490	29,7	3,85	296,0	16,0	9,0	5,0	4,0
7491	67,7	3,63	273,0	15,0	10,0	5,0	4,0
7492	34,7	3,28	247,0	14,0	9,0	5,0	3,0
7493	26,5	4,28	319,0	18,0	11,0	7,0	5,0
7494	47,6	3,81	287,0	18,0	10,0	6,0	3,0
7495	35,0	3,98	305,0	18,0	11,0	5,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7496	50,7	3,52	261,0	17,0	9,0	5,0	4,0
7497	35,9	3,05	230,0	15,0	9,0	4,0	2,0
7498	61,4	3,43	259,0	15,0	8,0	5,0	4,0
7499	34,0	3,33	254,0	15,0	9,0	4,0	3,0
7500	43,0	2,70	200,0	12,0	6,0	4,0	4,0
7501	50,1	2,42	184,0	11,0	4,0	4,0	3,0
7502	86,9	2,19	166,0	11,0	5,0	3,0	2,0
7503	74,7	2,32	170,0	10,0	6,0	4,0	3,0
7504	50,4	2,32	170,0	10,0	6,0	4,0	3,0
7505	48,0	2,19	167,0	9,0	6,0	3,0	2,0
7506	54,5	2,12	154,0	8,0	6,0	4,0	3,0
7507	50,2	2,95	223,0	12,0	7,0	5,0	3,0
7508	56,6	2,65	202,0	12,0	5,0	4,0	3,0
7509	56,3	2,60	194,0	11,0	7,0	4,0	3,0
7510	36,5	2,41	175,0	11,0	7,0	4,0	3,0
7511	54,4	2,32	164,0	10,0	7,0	5,0	3,0
7512	52,4	2,01	149,0	9,0	6,0	3,0	2,0
7513	57,1	2,10	156,0	9,0	5,0	3,0	3,0
7514	45,0	2,15	155,0	9,0	6,0	4,0	3,0
7515	46,6	2,32	175,0	11,0	5,0	3,0	3,0
7516	58,6	2,32	175,0	11,0	5,0	3,0	3,0
7517	74,8	2,14	165,0	9,0	5,0	3,0	2,0
7518	51,8	2,33	182,0	10,0	5,0	3,0	2,0
7519	44,9	2,60	194,0	11,0	7,0	4,0	3,0
7520	40,9	2,41	175,0	11,0	7,0	4,0	3,0
7521	43,1	2,32	164,0	10,0	7,0	5,0	3,0
7522	26,1	2,01	149,0	9,0	6,0	3,0	2,0
7523	32,3	2,10	156,0	9,0	5,0	3,0	3,0
7524	12,4	3,81	303,0	16,0	8,0	4,0	3,0
7525	41,3	3,82	300,0	16,0	8,0	5,0	3,0
7526	27,0	3,85	296,0	16,0	9,0	5,0	4,0
7527	30,6	3,63	273,0	15,0	10,0	5,0	4,0
7528	43,6	3,28	247,0	14,0	9,0	5,0	3,0
7529	40,8	4,28	319,0	18,0	11,0	7,0	5,0
7530	39,1	3,03	210,0	15,0	10,0	6,0	4,0
7531	25,6	2,84	211,0	12,0	6,0	5,0	4,0
7532	24,7	2,33	165,0	9,0	6,0	5,0	4,0
7533	18,1	2,20	162,0	10,0	6,0	3,0	3,0
7534	6,3	1,91	142,0	8,0	4,0	3,0	3,0
7535	20,2	2,02	153,0	8,0	4,0	3,0	3,0
7536	16,4	1,99	153,0	8,0	4,0	2,0	3,0
7537	22,8	1,96	150,0	8,0	4,0	2,0	3,0
7538	19,0	2,08	164,0	8,0	5,0	2,0	2,0
7539	18,1	1,94	150,0	8,0	5,0	2,0	2,0
7540	15,4	1,82	136,0	7,0	5,0	3,0	2,0
7541	41,1	1,82	139,0	7,0	4,0	3,0	2,0
7542	28,4	1,31	93,0	6,0	4,0	2,0	2,0
7543	39,6	1,26	87,0	5,0	4,0	3,0	2,0
7544	42,7	1,22	87,0	5,0	4,0	3,0	1,0
7545	33,6	1,16	83,0	5,0	3,0	2,0	2,0
7546	37,6	1,21	82,0	6,0	3,0	3,0	2,0
7547	17,2	1,08	77,0	4,0	3,0	3,0	1,0
7548	24,1	1,32	91,0	6,0	4,0	3,0	2,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7549	24,7	1,59	114,0	8,0	4,0	3,0	2,0
7550	38,8	1,53	106,0	7,0	4,0	3,0	3,0
7551	36,1	1,42	101,0	6,0	4,0	3,0	2,0
7552	27,2	1,32	91,0	6,0	4,0	3,0	2,0
7553	33,6	1,31	96,0	6,0	3,0	2,0	2,0
7554	45,5	1,36	100,0	5,0	4,0	2,0	2,0
7555	28,7	1,39	102,0	5,0	3,0	3,0	2,0
7556	27,8	1,63	120,0	6,0	3,0	3,0	3,0
7557	31,2	1,60	126,0	6,0	3,0	3,0	1,0
7558	42,6	1,77	134,0	6,0	3,0	3,0	3,0
7559	27,2	1,77	136,0	6,0	4,0	3,0	2,0
7560	33,7	2,16	169,0	9,0	4,0	3,0	2,0
7561	41,2	1,81	136,0	8,0	4,0	3,0	2,0
7562	50,8	1,66	125,0	6,0	4,0	3,0	2,0
7563	78,1	3,84	302,0	16,0	9,0	3,0	4,0
7564	82,9	3,84	302,0	16,0	9,0	3,0	4,0
7565	25,0	40,31	2957,0	224,0	142,0	59,0	17,0
7566	38,1	10,11	750,0	54,0	34,0	14,0	5,0
7567	37,5	1,35	72,0	7,0	7,0	5,0	3,0
7568	43,2	2,68	179,0	16,0	8,0	7,0	3,0
7569	36,6	3,19	251,0	15,0	10,0	4,0	0,0
7570	23,4	2,88	234,0	11,0	7,0	3,0	1,0
7571	24,3	2,15	173,0	10,0	5,0	3,0	0,0
7572	24,3	2,15	173,0	10,0	5,0	3,0	0,0
7573	81,8	1,71	128,0	9,0	4,0	2,0	2,0
7574	81,5	1,78	132,0	8,0	4,0	2,0	3,0
7575	69,3	1,93	152,0	9,0	5,0	2,0	1,0
7576	46,6	3,03	251,0	14,0	6,0	3,0	0,0
7577	63,8	3,50	284,0	15,0	7,0	3,0	2,0
7578	78,5	3,20	263,0	14,0	6,0	2,0	2,0
7579	26,8	3,66	300,0	15,0	7,0	3,0	2,0
7580	37,9	4,01	342,0	16,0	7,0	2,0	1,0
7581	24,5	3,99	350,0	14,0	6,0	2,0	0,0
7582	23,8	5,56	429,0	30,0	16,0	7,0	1,0
7583	108,1	5,56	429,0	30,0	16,0	7,0	1,0
7584	56,2	2,82	209,0	14,0	9,0	4,0	2,0
7585	38,8	2,58	185,0	13,0	8,0	4,0	3,0
7586	36,8	2,19	163,0	11,0	8,0	4,0	0,0
7587	48,4	2,61	190,0	13,0	9,0	4,0	2,0
7588	35,6	2,73	190,0	14,0	10,0	6,0	2,0
7589	31,4	2,77	190,0	14,0	10,0	6,0	3,0
7590	24,4	3,24	231,0	17,0	12,0	7,0	1,0
7591	15,0	3,37	224,0	18,0	13,0	9,0	3,0
7592	31,6	40,38	2915,0	237,0	151,0	63,0	14,0
7593	37,1	34,90	2530,0	195,0	126,0	55,0	16,0
7594	23,7	8,63	628,0	48,0	30,0	14,0	4,0
7595	43,8	4,80	342,0	27,0	18,0	10,0	1,0
7596	55,9	2,81	189,0	15,0	10,0	7,0	3,0
7597	25,4	2,91	196,0	16,0	12,0	7,0	2,0
7598	30,4	2,15	147,0	15,0	7,0	5,0	1,0
7599	16,9	2,67	189,0	12,0	8,0	6,0	3,0
7600	37,5	2,61	198,0	13,0	8,0	5,0	0,0
7601	20,9	2,84	210,0	14,0	8,0	4,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7602	20,7	2,66	193,0	13,0	8,0	4,0	3,0
7603	22,0	1,81	132,0	9,0	5,0	3,0	2,0
7604	15,0	2,26	158,0	11,0	8,0	5,0	2,0
7605	23,7	2,29	169,0	10,0	7,0	4,0	2,0
7606	23,0	2,56	179,0	13,0	7,0	6,0	3,0
7607	36,4	2,50	174,0	13,0	8,0	5,0	3,0
7608	86,6	2,42	170,0	12,0	7,0	5,0	3,0
7609	110,0	2,42	170,0	12,0	7,0	5,0	3,0
7610	142,0	2,48	178,0	12,0	8,0	5,0	2,0
7611	50,4	2,72	190,0	12,0	8,0	6,0	4,0
7612	45,4	2,74	196,0	12,0	8,0	6,0	3,0
7613	41,8	2,63	190,0	13,0	8,0	4,0	3,0
7614	139,3	3,01	216,0	15,0	10,0	5,0	3,0
7615	30,5	3,51	241,0	18,0	13,0	7,0	4,0
7616	42,9	3,16	210,0	15,0	12,0	8,0	4,0
7617	45,4	3,76	249,0	19,0	16,0	9,0	4,0
7618	35,1	3,20	211,0	16,0	14,0	8,0	3,0
7619	82,6	2,67	175,0	13,0	11,0	7,0	3,0
7620	67,6	2,68	171,0	13,0	10,0	8,0	4,0
7621	44,2	2,39	148,0	12,0	10,0	7,0	4,0
7622	48,5	1,88	119,0	9,0	8,0	5,0	3,0
7623	54,2	1,75	112,0	9,0	7,0	4,0	3,0
7624	39,7	1,76	114,0	8,0	6,0	5,0	3,0
7625	53,9	1,85	124,0	9,0	8,0	4,0	2,0
7626	42,9	1,93	120,0	8,0	7,0	6,0	4,0
7627	136,0	1,90	128,0	9,0	7,0	5,0	2,0
7628	29,2	2,22	151,0	10,0	8,0	5,0	3,0
7629	48,0	1,74	116,0	8,0	6,0	4,0	3,0
7630	58,6	1,73	119,0	7,0	5,0	4,0	3,0
7631	52,5	1,75	128,0	8,0	5,0	4,0	1,0
7632	69,6	1,98	136,0	8,0	6,0	5,0	3,0
7633	107,6	1,98	136,0	8,0	6,0	5,0	3,0
7634	83,2	1,76	120,0	7,0	6,0	4,0	3,0
7635	85,1	1,52	111,0	7,0	5,0	3,0	1,0
7636	61,6	1,29	94,0	5,0	4,0	3,0	1,0
7637	49,3	0,99	64,0	6,0	3,0	2,0	2,0
7638	112,8	0,99	64,0	6,0	3,0	2,0	2,0
7639	149,7	1,05	74,0	4,0	3,0	2,0	2,0
7640	80,6	1,36	98,0	6,0	4,0	2,0	2,0
7641	19,4	1,56	123,0	6,0	4,0	2,0	1,0
7642	17,5	2,45	188,0	12,0	6,0	4,0	1,0
7643	21,2	1,85	135,0	8,0	6,0	3,0	2,0
7644	33,9	1,80	125,0	8,0	6,0	3,0	3,0
7645	36,0	1,26	93,0	6,0	4,0	2,0	1,0
7646	27,7	1,50	109,0	6,0	4,0	3,0	2,0
7647	31,2	1,45	104,0	6,0	4,0	3,0	2,0
7648	28,9	1,33	94,0	5,0	4,0	3,0	2,0
7649	21,7	1,24	93,0	5,0	4,0	2,0	1,0
7650	45,4	1,33	86,0	5,0	4,0	4,0	3,0
7651	13,5	1,33	93,0	6,0	4,0	4,0	1,0
7652	13,9	1,42	97,0	6,0	4,0	4,0	2,0
7653	27,8	1,09	74,0	5,0	4,0	3,0	1,0
7654	15,6	2,13	148,0	8,0	7,0	5,0	3,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7655	19,8	2,09	148,0	8,0	7,0	4,0	3,0
7656	14,8	1,86	128,0	7,0	5,0	4,0	4,0
7657	107,8	1,82	124,0	7,0	5,0	4,0	4,0
7658	15,1	2,36	172,0	9,0	6,0	5,0	3,0
7659	17,3	2,81	190,0	12,0	10,0	7,0	4,0
7660	0,1	3,58	250,0	15,0	11,0	8,0	5,0
7661	29,2	84,59	6238,0	479,0	299,0	119,0	28,0
7662	42,3	8,55	652,0	42,0	24,0	10,0	6,0
7663	30,0	5,44	414,0	26,0	15,0	7,0	4,0
7664	22,0	2,92	231,0	13,0	7,0	4,0	1,0
7665	22,2	2,04	139,0	12,0	6,0	4,0	3,0
7666	36,1	1,99	145,0	10,0	6,0	3,0	2,0
7667	32,7	2,02	150,0	9,0	6,0	3,0	2,0
7668	29,9	1,91	135,0	9,0	6,0	4,0	2,0
7669	30,3	1,94	145,0	8,0	6,0	4,0	1,0
7670	34,0	2,08	155,0	10,0	6,0	4,0	1,0
7671	29,0	2,20	160,0	10,0	7,0	4,0	2,0
7672	18,5	2,40	180,0	10,0	7,0	4,0	2,0
7673	31,1	2,32	175,0	10,0	7,0	3,0	2,0
7674	22,9	2,53	195,0	11,0	7,0	3,0	2,0
7675	31,9	2,70	185,0	13,0	8,0	5,0	5,0
7676	30,2	2,72	189,0	12,0	8,0	5,0	5,0
7677	26,8	2,43	175,0	11,0	8,0	5,0	2,0
7678	37,6	2,25	155,0	12,0	8,0	5,0	2,0
7679	34,7	2,14	145,0	12,0	6,0	5,0	3,0
7680	43,8	2,10	144,0	10,0	6,0	4,0	4,0
7681	25,9	2,38	175,0	10,0	8,0	4,0	2,0
7682	11,2	2,41	185,0	6,0	5,0	5,0	3,0
7683	23,8	2,60	195,0	12,0	6,0	5,0	2,0
7684	17,0	2,66	200,0	13,0	6,0	5,0	2,0
7685	28,0	3,06	240,0	13,0	6,0	5,0	2,0
7686	20,0	3,05	245,0	12,0	6,0	5,0	1,0
7687	18,2	3,10	250,0	12,0	6,0	5,0	1,0
7688	112,8	3,21	260,0	12,0	6,0	4,0	2,0
7689	136,7	3,45	282,0	13,0	6,0	4,0	2,0
7690	20,8	3,56	290,0	13,0	7,0	4,0	2,0
7691	85,2	3,61	295,0	13,0	7,0	4,0	2,0
7692	40,3	3,51	285,0	13,0	7,0	4,0	2,0
7693	71,0	3,41	275,0	13,0	7,0	4,0	2,0
7694	27,9	3,54	285,0	13,0	7,0	5,0	2,0
7695	120,4	3,62	295,0	12,0	7,0	5,0	2,0
7696	45,1	3,48	300,0	8,0	4,0	4,0	2,0
7697	124,3	3,69	320,0	7,0	5,0	4,0	2,0
7698	159,4	4,07	329,0	12,0	8,0	6,0	3,0
7699	26,8	4,11	333,0	12,0	8,0	6,0	3,0
7700	20,0	3,98	320,0	12,0	8,0	6,0	3,0
7701	19,3	4,01	325,0	11,0	8,0	6,0	3,0
7702	23,5	4,21	345,0	11,0	8,0	6,0	3,0
7703	27,1	4,18	340,0	12,0	8,0	6,0	3,0
7704	25,7	3,24	237,0	13,0	9,0	6,0	4,0
7705	19,0	2,88	214,0	12,0	8,0	5,0	3,0
7706	14,9	2,28	167,0	10,0	6,0	5,0	2,0
7707	14,0	2,61	182,0	10,0	8,0	6,0	4,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7708	23,8	1,94	129,0	8,0	6,0	6,0	3,0
7709	20,5	2,65	185,0	11,0	8,0	7,0	3,0
7710	10,3	2,06	144,0	8,0	6,0	5,0	3,0
7711	16,0	1,83	127,0	7,0	6,0	4,0	3,0
7712	18,0	1,90	132,0	8,0	6,0	4,0	3,0
7713	13,7	4,00	276,0	16,0	12,0	10,0	6,0
7714	22,7	7,12	510,0	29,0	21,0	16,0	8,0
7715	11,8	7,34	526,0	30,0	21,0	16,0	9,0
7716	15,1	7,00	524,0	29,0	20,0	12,0	6,0
7717	65,0	6,44	474,0	26,0	18,0	11,0	8,0
7718	81,1	6,21	451,0	26,0	18,0	11,0	8,0
7719	29,2	6,30	458,0	27,0	18,0	11,0	8,0
7720	20,0	11,91	885,0	58,0	36,0	18,0	9,0
7721	15,9	10,16	768,0	46,0	28,0	15,0	8,0
7722	75,0	18,65	1370,0	101,0	64,0	28,0	9,0
7723	6,1	23,40	1729,0	125,0	78,0	34,0	12,0
7724	28,6	7,66	560,0	38,0	24,0	13,0	6,0
7725	21,3	5,09	362,0	23,0	16,0	10,0	6,0
7726	15,4	3,86	250,0	18,0	14,0	11,0	6,0
7727	75,0	4,07	265,0	17,0	15,0	11,0	7,0
7728	26,7	3,87	245,0	17,0	14,0	12,0	7,0
7729	22,7	4,29	285,0	18,0	14,0	12,0	7,0
7730	18,1	6,65	477,0	27,0	18,0	13,0	10,0
7731	17,2	7,21	539,0	26,0	18,0	13,0	9,0
7732	16,4	6,27	456,0	26,0	17,0	12,0	8,0
7733	7,4	6,34	465,0	27,0	17,0	11,0	8,0
7734	82,7	6,34	465,0	27,0	17,0	11,0	8,0
7735	24,8	7,60	570,0	37,0	23,0	12,0	4,0
7736	27,9	7,08	538,0	33,0	21,0	10,0	4,0
7737	20,8	7,00	516,0	31,0	20,0	12,0	7,0
7738	75,0	6,23	473,0	29,0	18,0	10,0	3,0
7739	17,4	3,25	236,0	15,0	10,0	6,0	3,0
7740	20,9	4,14	309,0	19,0	12,0	7,0	3,0
7741	75,0	4,14	309,0	19,0	12,0	7,0	3,0
7742	20,7	6,23	480,0	30,0	20,0	6,0	3,0
7743	23,6	2,71	191,0	11,0	9,0	5,0	4,0
7744	75,0	2,90	212,0	12,0	8,0	6,0	3,0
7745	23,9	5,26	395,0	21,0	14,0	8,0	6,0
7746	13,6	6,40	480,0	25,0	15,0	11,0	8,0
7747	18,9	4,67	345,0	19,0	12,0	8,0	6,0
7748	29,8	4,53	339,0	18,0	11,0	7,0	6,0
7749	30,5	4,75	356,0	20,0	12,0	8,0	5,0
7750	19,6	12,09	981,0	45,0	24,0	13,0	8,0
7751	22,2	8,73	676,0	36,0	20,0	12,0	8,0
7752	63,4	6,46	501,0	26,0	16,0	8,0	6,0
7753	17,4	116,67	8442,0	689,0	437,0	182,0	34,0
7754	20,0	113,45	8400,0	650,0	398,0	159,0	29,0
7755	95,0	113,40	8400,0	650,0	398,0	159,0	28,0
7756	43,2	35,03	2540,0	193,0	124,0	56,0	18,0
7757	41,8	35,03	2540,0	193,0	124,0	56,0	18,0
7758	25,3	12,31	908,0	63,0	39,0	18,0	9,0
7759	37,2	11,80	909,0	53,0	32,0	15,0	8,0
7760	33,7	8,50	671,0	35,0	20,0	10,0	6,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7761	35,8	11,84	931,0	51,0	28,0	14,0	8,0
7762	27,6	12,26	937,0	54,0	32,0	17,0	10,0
7763	50,2	10,49	822,0	45,0	25,0	12,0	8,0
7764	31,8	8,53	674,0	36,0	19,0	10,0	6,0
7765	17,9	8,24	651,0	35,0	19,0	9,0	6,0
7766	20,9	8,32	660,0	37,0	19,0	9,0	5,0
7767	32,1	8,87	700,0	38,0	21,0	11,0	5,0
7768	36,3	8,69	691,0	38,0	19,0	10,0	5,0
7769	40,8	7,88	627,0	34,0	18,0	8,0	5,0
7770	23,1	8,18	643,0	34,0	19,0	10,0	6,0
7771	27,8	8,37	662,0	34,0	19,0	10,0	6,2
7772	27,7	8,93	696,5	39,1	21,2	11,0	6,7
7773	28,9	8,93	696,5	39,4	23,1	11,2	6,7
7774	31,1	9,38	703,1	43,7	26,4	14,6	7,4
7775	38,9	9,38	703,1	43,7	28,0	15,9	8,7
7776	39,1	8,66	621,3	40,6	28,0	16,4	8,9
7777	38,1	9,15	665,1	40,4	27,9	17,7	8,9
7778	36,8	10,55	811,6	44,1	27,9	17,7	8,9
7779	20,7	11,97	933,2	49,2	29,6	16,2	8,6
7780	39,9	11,43	894,1	48,4	27,9	16,7	9,3
7781	36,9	12,39	944,0	52,0	33,0	19,0	10,0
7782	32,6	13,03	992,0	58,0	35,0	19,0	10,0
7783	31,3	12,99	992,0	58,0	35,0	19,0	9,0
7784	34,5	12,65	958,0	55,0	34,0	20,0	10,0
7785	38,3	12,61	961,0	54,0	32,0	20,0	10,0
7786	23,3	12,61	961,0	54,0	32,0	20,0	10,0
7787	40,2	12,45	952,0	54,0	31,0	19,0	10,0
7788	35,1	11,19	861,0	47,0	27,0	17,0	9,0
7789	40,2	9,94	746,0	43,0	26,0	17,0	9,0
7790	36,7	8,42	605,0	37,0	24,0	17,0	10,0
7791	39,2	7,70	553,0	33,0	22,0	15,0	10,0
7792	29,6	6,67	483,0	28,0	19,0	13,0	8,0
7793	42,5	8,39	630,0	35,0	22,0	13,0	9,0
7794	33,3	8,35	634,0	36,0	20,0	13,0	8,0
7795	28,9	8,80	675,0	38,0	22,0	13,0	7,0
7796	20,8	5,51	414,0	24,0	13,0	9,0	6,0
7797	26,7	6,45	495,0	28,0	15,0	9,0	6,0
7798	25,9	2,91	217,0	13,0	7,0	4,0	4,0
7799	24,5	3,11	236,0	15,0	8,0	5,0	2,0
7800	31,5	3,63	278,0	16,0	8,0	6,0	3,0
7801	27,0	3,76	286,0	17,0	9,0	6,0	3,0
7802	21,2	4,13	311,0	18,0	10,0	7,0	4,0
7803	24,5	4,39	331,0	19,0	11,0	6,0	5,0
7804	35,3	2,14	163,0	10,0	5,0	3,0	2,0
7805	28,3	3,37	255,0	14,0	8,0	5,0	4,0
7806	19,9	3,28	243,0	14,0	9,0	5,0	4,0
7807	25,3	6,84	518,0	30,0	17,0	11,0	6,0
7808	21,8	5,99	441,0	26,0	15,0	11,0	7,0
7809	27,4	4,43	322,0	20,0	11,0	8,0	6,0
7810	25,0	5,36	424,0	22,0	11,0	7,0	4,0
7811	24,2	6,05	482,0	24,0	12,0	7,0	5,0
7812	33,8	6,05	482,0	24,0	12,0	7,0	5,0
7813	28,1	6,13	488,0	25,0	12,0	7,0	5,0

DEPTH ft.	R.O.P. ft/h.	T. GAS units	CHROMATOGRAPHY (ppm)				
			C1	C2	C3	C4	C5
7814	28,9	6,13	488,0	25,0	12,0	7,0	5,0
7815	34,5	6,13	488,0	25,0	12,0	7,0	5,0
7816	23,4	5,56	446,0	23,0	11,0	6,0	4,0
7817	32,6	5,05	406,0	20,0	10,0	5,0	4,0
7818	24,1	6,49	521,0	27,0	12,0	7,0	5,0
7819	32,9	4,86	390,0	20,0	9,0	5,0	4,0
7820	43,4	5,38	436,0	22,0	10,0	5,0	4,0
7821	43,4	5,93	481,0	24,0	11,0	6,0	4,0
7822	50,0	8,87	722,0	37,0	16,0	8,0	6,0
7823	35,4	8,42	687,0	36,0	16,0	7,0	5,0
7824	37,4	7,91	648,0	32,0	14,0	7,0	5,0
7825	53,4	5,81	472,0	24,0	11,0	5,0	4,0
7826	41,3	4,39	365,0	18,0	8,0	3,0	2,0
7827	49,6	4,60	382,0	18,0	8,0	3,0	3,0
7828	75,0	4,84	398,0	19,0	9,0	4,0	3,0
7829	79,7	4,66	383,0	19,0	8,0	4,0	3,0
7830	60,0	4,66	383,0	19,0	8,0	4,0	3,0
7831	35,2	5,87	491,0	23,0	10,0	4,0	3,0
7832	69,2	7,44	628,0	29,0	12,0	5,0	3,0
7833	50,8	8,33	698,0	32,0	14,0	6,0	4,0
7834	53,6	8,32	700,0	32,0	13,0	6,0	4,0
7835	53,6	17,42	1474,0	73,0	29,0	10,0	5,0
7836	38,4	18,72	1575,0	83,0	33,0	10,0	5,0
7837	56,9	18,72	1575,0	83,0	33,0	10,0	5,0
7838	45,0	5,78	484,0	22,0	10,0	4,0	3,0
7839	41,9	5,78	484,0	22,0	10,0	4,0	3,0
7840	43,2	5,89	500,0	23,0	9,0	4,0	2,0
7841	60,6	6,05	510,0	23,0	10,0	5,0	2,0
7842	58,6	8,52	716,0	34,0	13,0	5,0	5,0
7843	66,7	8,80	743,0	35,0	13,0	6,0	4,0
7844	38,3	6,22	521,0	24,0	10,0	5,0	3,0
7845	49,1	3,84	317,0	16,0	7,0	3,0	2,0
7846	46,0	4,00	328,0	15,0	8,0	4,0	2,0
7847	51,6	3,74	310,0	14,0	7,0	3,0	2,0
7848	53,3	7,50	609,1	32,0	14,8	6,6	4,5
7849	44,1	18,26	1398,6	97,8	54,6	21,1	6,4
7850	43,2	18,26	1398,6	97,8	54,6	21,1	6,4
7851	34,5	15,66	1208,1	80,5	45,1	17,5	6,4
7852	55,1	7,07	566,5	32,5	15,7	6,7	3,5
7853	37,8	4,87	422,5	20,7	9,2	4,0	2,6
7854	26,8	4,86	401,7	20,2	8,3	3,9	3,0
7855	23,7	4,06	333,8	16,7	7,7	3,6	3,5
7856	19,9	4,83	402,3	19,4	8,0	3,4	3,0
7857	17,3	3,43	288,9	14,1	6,2	3,0	2,6
7858	18,5	2,07	167,9	8,7	4,4	1,7	1,6
7859	28,3	2,00	165,0	8,0	4,0	2,0	1,3



FLUORESCENCE DATA RECORD

WELL: LO16-29D



INTERVALS (Feet)	FORMATION	NATURAL FLUORESCENCE						COLOR	SPEED CUT				REACTION			INTENSITY CUT				FORM CUT			COLOR CUT	RESIDUAL RING	
		NIL	TRACES	POOR	FAIR	GOOD	%		CRUSH	SLOW	FAST	FLASH	FAINT	WEAK	STRONG	DULL	FAINT	PALE	BRIGHT	EVEN	BLOOMING	STREAMING		U.V.L.	NAT. L.
5010 - 5020	PARIÑAS		X					PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5020 - 5030	PARIÑAS						5	PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5030 - 5040	PARIÑAS						5	PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5040 - 5050	PARIÑAS		X					PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5050 - 5060	PARIÑAS		X					PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5060 - 5070	PARIÑAS		X					PAL YELL	X					X				X		X			PAL YELL	NIL	NIL
5920 - 5930	PALEGREDA		X					PAL YELL		X				X				X		X			PAL YELL	NIL	NIL
5930 - 5940	PALEGREDA		X					PAL YELL		X				X				X		X			PAL YELL	NIL	NIL
6170 - 6180	PALEGREDA		X					GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6270 - 6280	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6280 - 6290	MOGOLLON						40	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6290 - 6300	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6300 - 6310	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6310 - 6320	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6320 - 6330	MOGOLLON						5	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6700 - 6710	MOGOLLON						5	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6710 - 6720	MOGOLLON						30	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6720 - 6730	MOGOLLON						60	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6730 - 6740	MOGOLLON						30	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6740 - 6750	MOGOLLON						10	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL



FLUORESCENCE DATA RECORD

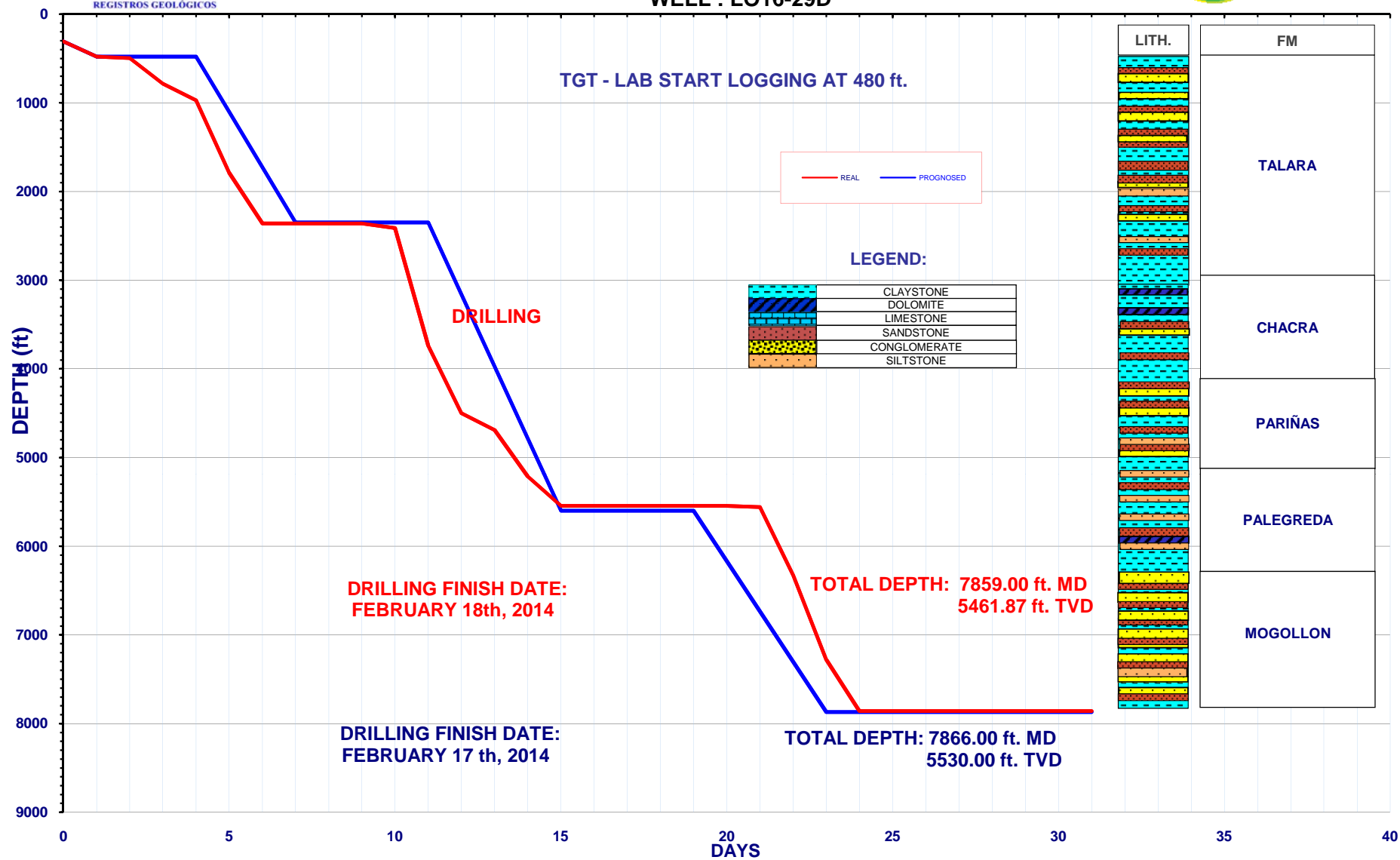
WELL: LO16-29D



INTERVALS (Feet)	FORMATION	NATURAL FLUORESCENCE						COLOR	SPEED CUT				REACTION			INTENSITY CUT				FORM CUT			COLOR CUT	RESIDUAL RING	
		NIL	TRACES	POOR	FAIR	GOOD	%		CRUSH	SLOW	FAST	FLASH	FAINT	WEAK	STRONG	DULL	FAINT	PALE	BRIGHT	EVEN	BLOOMING	STREAMING		U.V.L.	NAT. L.
6750 - 6760	MOGOLLON						10	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6760 - 6770	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6770 - 6780	MOGOLLON		x					GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6780 - 6790	MOGOLLON		x					GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6800 - 6810	MOGOLLON						5	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6810 - 6820	MOGOLLON						40	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6820 - 6830	MOGOLLON						30	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6830 - 6840	MOGOLLON						20	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6840 - 6850	MOGOLLON						20	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6850 - 6860	MOGOLLON						10	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6860 - 6870	MOGOLLON						5	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6870 - 6880	MOGOLLON						5	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6880 - 6890	MOGOLLON						10	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6890 - 6900	MOGOLLON						20	GOLD YELL		X				X				X		X			PAL YELL	NIL	NIL
6900 - 6910	MOGOLLON						40	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6940 - 6950	MOGOLLON						40	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6950 - 6960	MOGOLLON						60	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6960 - 6970	MOGOLLON						60	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6970 - 6980	MOGOLLON						50	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL
6980 - 6990	MOGOLLON						30	GOLD YELL		X	X			X				X		X			PAL YELL	NIL	NIL

[illegible]

DRILLING PROGRESS CURVE WELL : LO16-29D





BIT RECORD



WELL: LO16-29D

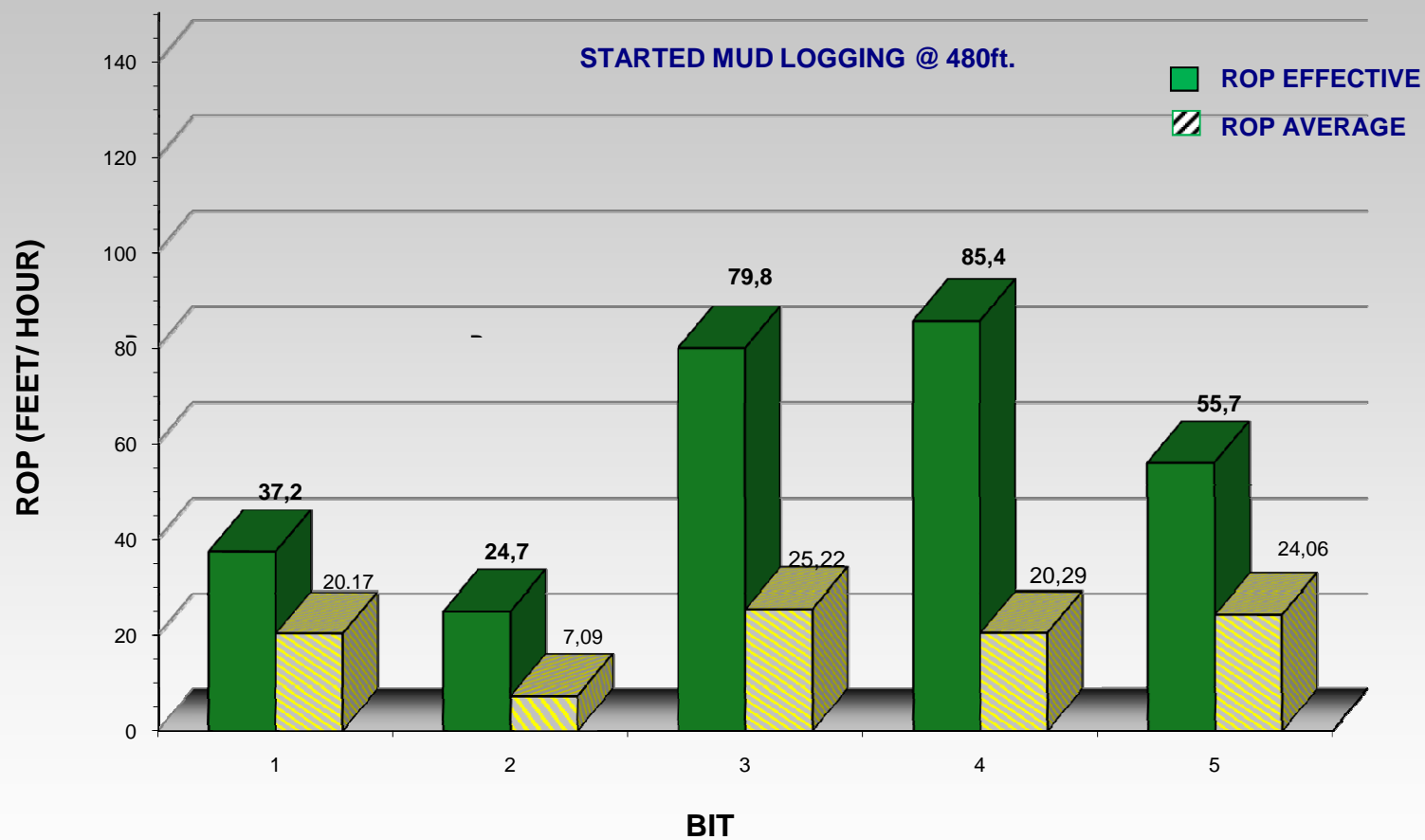
* STARTED MUD LOGGING @ 480 ft.

BIT	SIZE	MAKE	TYPE	SERIAL	DEPTH		HOLE	ROP Effective	HOURS		JETS	GPM/PSI	WOB/RPM Klbs / rpm	IADC
	IN				IN	OUT		MHR	Total	Drilling				
1	17	SMITH	XR-CP	---	0	484	484	37,2	24,0	13,0	4X16	800/700	12/100	-
2	17	SMITH	MSDSHC	PW6970	484	973	489	24,7	69,0	19,8	3X16;1X18	800/1700	15/45	-
3	17	NOV	TFR519S-A1	E148592	973	2360	1387	79,8	55,0	17,4	5X15	800/2250	12/50	0-1-WT-A-X-I-NO-TD
4	12 1/4	NOV	SKH4195-A1A	F182076	2360	5545	3185	85,4	157,0	37,3	6X15	825/3250	15/60	0-1-WT-A-X-I-CT-TD
5	8 1/2	NOV	SKF1519M-A2D	A188113	5545	7859	2314	55,7	96,2	41,5	5X15	550/3300	15/55	0-1-WT-T/S-X-I-NO-TD

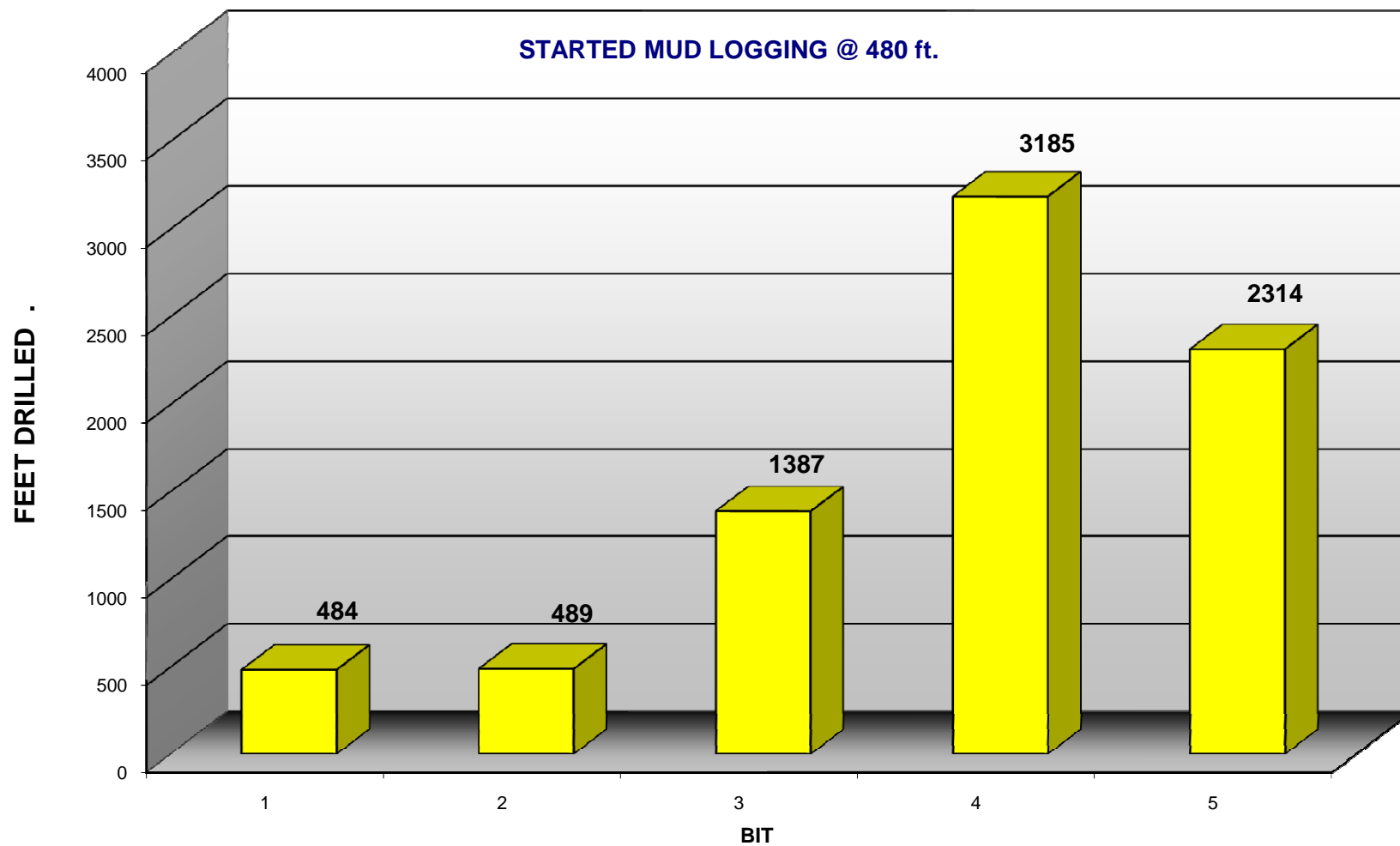
FORMATIONS/MEMBER: MD (ft) TVD (ft)

HELICO	0	0,0
LOBITOS	1621	1569,8
CHACRA	2900	2452,7
PARIÑAS	4157	3217,4
PALEGREDA	5078	3777,3
MOGOLLON	6274	5426,2
TD	7859	5461,9

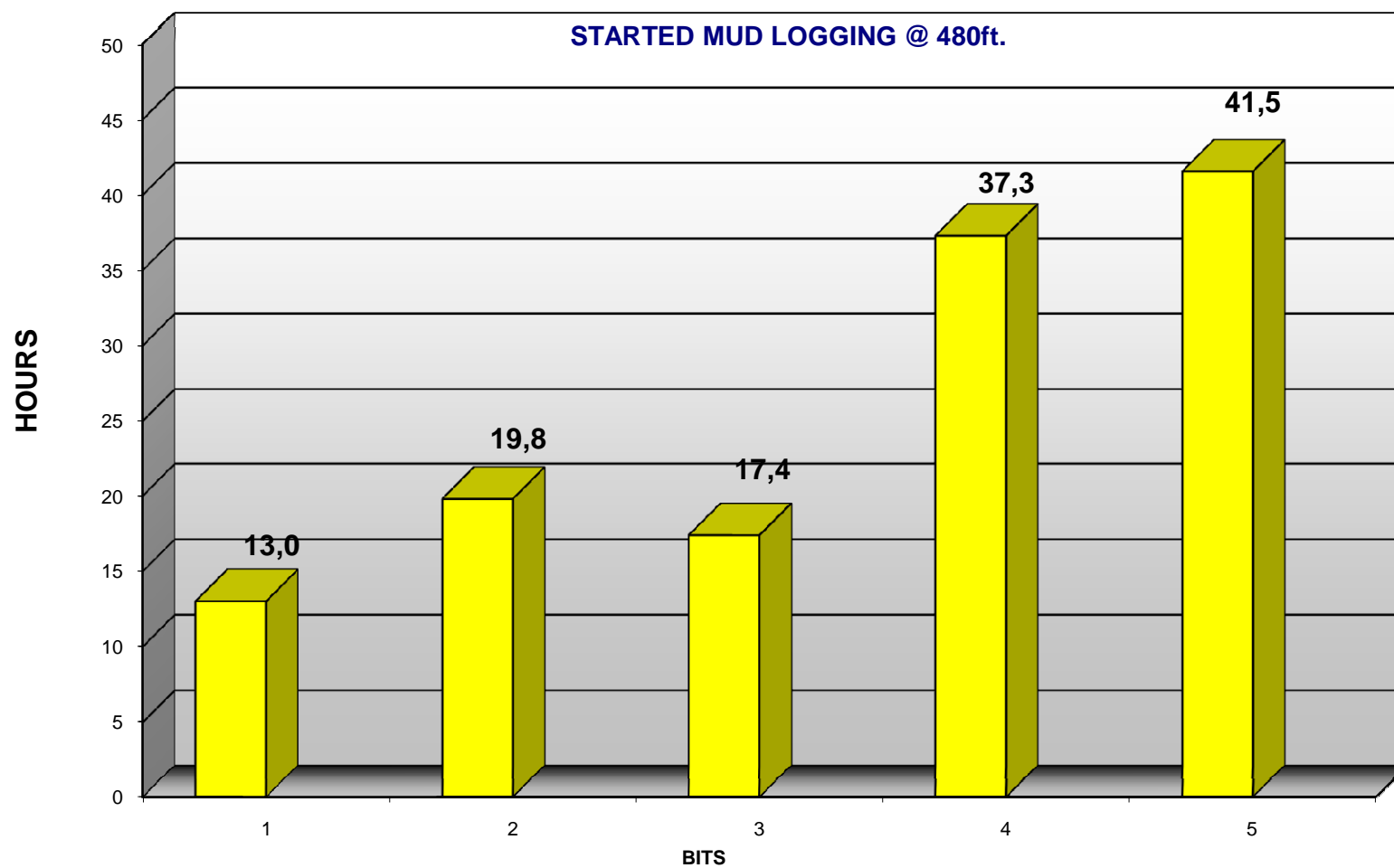
WELL : LO16-29D
EFFECTIVE AND AVERAGE RATE OF
PENETRATION BY BIT (ft/hr)



WELL : LO16-29D
FEET DRILLING BY BIT



WELL : LO16-29D
EFFECTIVE DRILLING HOURS



DAILY OPERATIONS REPORTS

WELL: LO16-29D

JANUARY 25th, 2014

00:00 - 03:30	Drill with 17" triconic bit fr 390-419 ft & slide 18" cond from 390-415 ft (Conductor shoe = 415ft) with RPM 100, 800 GPM, Pr 700psi, WOB 5-10Klbs & Torq 2100Lb-ft.
03:30 - 05:30	Rig up Gyro Tools and Run#4 multishot from 410 ft to surface, Incl: 2.06, Azm: 192.49°. R/D Gyro tools.
05:30 - 06:30	POOH 17" BHA from 419 ft to surface.
06:30 - 08:30	Weld conductor #11 cold in time. Cut and removed 18" conductor bellow rotary table.
08:30 - 09:30	Make up and RIH 17" BHA to 419ft.
09:30 - 13:00	Drill with 17" triconic bit fr 419-454ft & slide 18" cond from 415-444 ft with RPM 800 GPM, Pr 700psi, WOB 10-12Klbs & Torq 3000Lb-ft.
13:00 - 14:00	POOH 17" BHA from 454ft to surface.
14:00 - 16:00	Weld conductor #12 cold in time. Cut and removed 18" conductor bellow rotary table.
16:00 - 17:00	Make up and RIH 17" BHA to 454ft.
17:00 - 23:00	Drill with 17" triconic bit fr 454-484 ft & slide 18" cond from 444-470 ft with RPM 100, 800 GPM, Pr 700psi, WOB 5-10Klbs & Torq 2100Lb-ft.
23:00 - 00:00	POOH 17" BHA to surface.

JANUARY 26th, 2014

00:00 - 03:00	Cut and bevel 18" conductor #13 cold in time, P/U and cut conductor on 1st level of platform.
03:00 - 03:30	RIH 17" BHA from surface to 484 ft.
03:30 - 05:00	Washdown and maneuver string several times, 18" conductor slide from 470 ft to 480 ft.
05:00 - 07:00	Rig up Gyro Tools and Run#5 multishot gyro at 475.00ft Ang 2.01 Azm 193.31
07:00 - 08:30	Cut and removed 18" conductor joint, Bevel 18" conductor on 1st level.
08:30 - 15:00	Weld 21-1/4" flange extention. Nipple up 21-1/4" diverter, bell nipple and 6" lateral line. Function test 21-1/4" Diverter.
15:00 - 15:30	Rig up elevator prior make up cement drill pipe.
15:30 - 18:30	Make up and RIH 5" cement drill pipe to 482ft.
18:30 - 20:00	At 482ft close 21-1/4" annular diverter and pump water until lose circulation. While rig up Baker cement lines.
20:00 - 20:30	Safety meeting with all personnel prior cement conductor.
20:30 - 22:00	Perform cement line test with 2300 psi by 10 min, ok. with annular close pump 30bbls of water, pump 48 bbls cement 15.6 ppg, Open annular pump 24 bbls cement 15.6 ppg.
22:00 - 23:00	POOH from 482-90ft circulate hole to clean Diverter and lines, Close diverter & displaced w/14bbls of sea water, close cement valve with 60psi.
23:00 - 00:00	Baker R/D cement lines and connections, meanwhile WOC Wait on cement while install flow line on 2th level.

JANUARY 27th, 2014

00:00 - 03:00 Cont install flow line on 2th level, meanwhile Cut and slip drilling line, WOC.
03:00 - 05:00 Open well L/D cementing head and 5" cementing DP, discharge from platform to barge.
05:00 - 10:00 Make up 5" Dp's in stand's, Total: 2000ft, drifting each joint.
10:00 - 12:00 Make up 17" triconic bit and RIH drill out cement BHA. Tag hard cement at 430ft
12:00 - 15:30 Drill out cement from 430ft to 484ft with 500gpm, WOB 10Klbs, 70RPM and torq 2600ft-lbs. (18" conductor shoe at 480ft)
15:30 - 16:30 Drill with 17" triconic bit 10ft new formation from 484 ft to 495 ft with 500gpm, WOB 10Klbs, 70RPM and 850 psi.
16:30 - 18:30 POOH from 495ft to surface and brake out triconic bit.
18:30 - 19:00 Run #1 fishing magnet 0Kgr recover.
19:00 - 19:30 RIH fishing magnet to displace sea water by drilling fluid 9ppg.
19:30 - 20:00 POOH fishing magnet to surface and brake out.
20:00 - 20:30 Weatherford crew perform safety meeting.
20:30 - 00:00 M/U & RIH directional BHA, run orientated string, M/U 17" triconic bit, mud motor, UBHO, 02 DC 8", 8" Jar to 130 ft.

JANUARY 28th, 2014

00:00 - 05:00 Cont RIH directional BHA from 130' to 493'. At 345' perform test mud motor.
05:00 - 06:30 Rig up Gyro Tools and Run #6 take gyro survey to confirm tool face at 493ft, R/D Gyro tools.
06:30 - 09:00 Drill in slide mode from 495-516ft with 760gpm, 1260psi and WOB 5Klbs.
09:00 - 11:00 Drill in rotary mode from 516-565ft with 760gpm, 1260psi, WOB7-10Klbs and Torq 3,000ft-lbs.
11:00 - 12:00 Run #7 Gyro sensor at 516ft, 1.22° ang and 185,79° Azm.
12:00 - 16:00 Drill in slide mode from 565-604ft with 620gpm, 960psi and WOB 10-12Klbs.
16:00 - 17:30 Drill in rotary mode from 604-660ft with 800gpm, 1360psi, WOB10-12Klbs and Torq 4,000ft-lbs.
17:30 - 18:30 Run #8 Gyro sensor at 611ft, 2.17° ang and 265.16° Azm.
18:30 - 22:00 Drill in slide mode from 660-695ft with 800gpm, 1550psi and WOB 15Klbs.
22:00 - 00:00 Drill in rotary mode from 695-783ft with 800gpm, 1600psi, WOB12-15Klbs and Torq 5900ft-lbs.

JANUARY 29th, 2014

00:00 - 01:00 Rig up Gyro Tools and Run#9 take gyro at 783 ft, Incl 5.49 deg, Azm 269.47°, R/D gyro tools.
01:00 - 01:30 Drill in slide mode from 783-794ft with 800gpm, 1650psi and WOB 15Klbs.
01:30 - 03:00 Drill in rotary mode from 794-878 ft with 800gpm, 1660psi, WOB 15Klbs and Torq 6,800ft-lbs.
03:00 - 03:30 Circulate and reaming to clean shaker's.
03:30 - 04:30 Rig up Gyro Tools and Run#10 take gyro at 887 ft, Incl 7.67 deg, Azm 273.02°, R/D gyro tools.
04:30 - 07:00 Drill in slide mode from 878-919 ft with 800gpm, 1700psi and WOB 15Klbs.
07:00 - 08:00 Drill in rotary mode from 919-944 ft with 800gpm, 1660psi, WOB 15Klbs and Torq 500ft-lbs.
08:00 - 09:00 Accumulated time circulate, ream and make up connection.
09:00 - 10:00 Drill in slide mode from 944-974 ft with 800gpm, 1700psi and WOB 15Klbs.
10:00 - 11:30 Rig up Gyro Tools and Run#11 take gyro at 927 ft, Incl 10.62 deg, Azm 283.91°, R/D gyro tools.

11:30 - 12:30	Circulated hole pump hi vis pill.
12:30 - 17:30	POOH from 974ft to 150ft with over pull +20Klbs, connect top drive and POOH with circulation.
17:30 - 18:00	Safety meeting with all companies prior run directional BHA.
18:00 - 00:00	Make up 17" PDC bit TFR519S-A1, PDM, Mule shoe 8", MWD 8", NMDC 8", 2x8" DC, 8" Jar, 1x8" DC, XO, 3x6-1/2" DC and 6x5" HWDP total BHA=495.37ft, and RIH with 5" DP to 653ft

JANUARY 30th, 2014

00:00 - 00:30	Cont RIH 17" Dir BHA with 5" DP from 653 ft to 974 ft, last 2 stand washdown.
00:30 - 01:00	Drill in rotary mode from 974ft to 1001ft with 800gpm, 1730 psi, WOB 10Klbs, 45 rpm and Torq 5800lb-ft.
01:00 - 02:00	Drill in slide mode from 1001ft-1030ft with 800gpm, 1650psi and WOB 10Klbs.
02:00 - 02:30	Circulating, reaming, surveys & connections, survey at 974 ft, inc 12.2 deg, azm 284.23 deg.
02:30 - 03:00	Drill in rotary mode from 1030ft to 1040ft with 800gpm, 1730 psi, WOB 10Klbs, 45 rpm and Torq 5800lb-ft.
03:00 - 03:30	Drill in slide mode from 1040-1060ft with 800gpm, 1650psi and WOB 10Klbs.
03:30 - 04:30	Drill in rotary mode from 1060ft to 1126ft with 800gpm, 1730 psi, WOB 10Klbs, 45 rpm and Torq 5800lb-ft.
04:00 - 05:00	Circulating, reaming, surveys & connections, survey at 1059 ft, inc 14.52 deg, azm 292.82 deg.
05:00 - 05:30	Drill in slide mode from 1126-1156ft with 800gpm, 1850psi and WOB 10Klbs.
05:30 - 07:00	Drill in rotary mode from 1156ft to 1221ft with 800gpm, 1850 psi, WOB 10Klbs, 45 rpm and Torq 5800lb-ft.
07:00 - 07:30	Drill in slide mode from 1221-1237ft with 800gpm, 1900psi and WOB 10Klbs.
07:30 - 08:30	Drill in rotary mode from 1237ft to 1317ft with 800gpm, 1920 psi, WOB 15Klbs, 40 rpm and Torq 8700lb-ft.
08:30 - 09:30	Pump hi vis pill, accumulated time make up connection, ream and circulate.
09:30 - 10:00	Drill in slide mode from 1317-1357ft with 800gpm, 1940psi and WOB 15Klbs.
10:00 - 10:30	Drill in rotary mode from 1357ft to 1411ft with 800gpm, 1980 psi, WOB 15Klbs, 40 rpm and Torq 9000lb-ft.
10:30 - 12:00	Drill in slide mode from 1411-1455ft with 800gpm, 1980psi and WOB 12Klbs.
12:00 - 12:30	Pump hi vis pill, accumulated time make up connection, ream and circulate.
12:30 - 16:00	Drill in rotary mode from 1455ft to 1697ft with 800gpm, 1980 psi, WOB 12Klbs, 40 rpm and Torq 9200lb-ft.
16:00 - 17:00	Pump hi vis, circulate hole until clean shaker's.
17:00 - 20:30	POOH from 1697ft to 480ft (18" conductor shoe), With out circulation Max over pull 25Klbs. Connect top drive and continue POOH with circulation 230gpm, 450psi over pull = 5-10Klbs.
20:30 - 21:30	RIH from 480ft to 1697ft with out restriction, last 2 stand wahdown.
21:30 - 22:00	Circulate bottom up, clean shaker's.
22:00 - 22:30	Drill in slide mode from 1697ft-1717ft with 800gpm, 2100psi and WOB 8/10Klbs.
22:30 - 23:30	Drill in rotary mode from 1717ft to 1792ft with 800gpm, 2100 psi, WOB 12Klbs, 45 rpm and Torq 9800lb-ft.
23:30 - 00:00	Circulating, reaming, surveys & connections, survey at 1725 ft, inc 32.15 deg, azm 307.57 deg.

JANUARY 31th, 2014

00:00 - 00:30	Drill in slide mode from 1792ft-1822ft with 800gpm, 2100psi and WOB 8/10Klbs.
00:30 - 01:30	Drill in rotary mode from 1822ft to 1887ft with 800gpm, 2100 psi, WOB 12Klbs, 45 rpm and Torq 9800lb-ft.
01:30 - 02:00	Circulating, reaming, surveys & connections, survey at 1820 ft, inc 34.98 deg, azm 306.47 deg.
02:00 - 02:30	Drill in slide mode from 1887ft-1916ft with 800gpm, 2100psi and WOB 8/10Klbs.
02:30 - 03:00	Drill in rotary mode from 1916ft to 1954ft with 800gpm, 2150 psi, WOB 12Klbs, 45 rpm and Torq 9800lb-ft.
03:00 - 03:30	Drill in slide mode from 1954ft-1969ft with 800gpm, 2150psi and WOB 10/12Klbs.
03:30 - 04:00	Drill in rotary mode from 1969ft to 1980ft with 800gpm, 2150 psi, WOB 12Klbs, 49 rpm and Torq 9800lb-ft.
04:00 - 04:30	Drill in slide mode from 1980ft-2001ft with 800gpm, 2150psi and WOB 10/12Klbs.
04:30 - 05:00	Drill in rotary mode from 2001ft to 2076ft with 800gpm, 2200 psi, WOB 12Klbs, 49 rpm and Torq 10200lb-ft. Pump#1=111spm & Pump#2=76spm low performance.
05:00 - 05:30	Circulating, reaming, surveys & connections, survey at 2008 ft, inc 42.25 deg, azm 306.57 deg.
05:30 - 07:00	Drill in rotary mode from 2076ft to 2171ft with 800gpm, 2250 psi, WOB 10/12Klbs, 50 rpm and Torq 10400lb-ft. Pump#1=111spm & Pump#2=76spm low performance.
07:00 - 08:00	Pump hi vis, circulate hole to get clean shaker's.
08:00 - 08:30	Drill in slide mode from 2171ft-2196ft with 800gpm, 2250psi and WOB 10/12Klbs. Pump#1=111spm & Pump#2=76spm low performance.
08:30 - 10:30	Drill in rotary mode fr 2196-2266ft with 800gpm, 2250 psi, WOB 12Klbs, 50 rpm and Torq 11400lb-ft. Pump#1=90spm, Pump#2=45spm low performance & Pump#3=100spm.
10:30 - 11:30	Drill in slide mode from 2266ft-2360ft with 800gpm, 2250psi and WOB 10/12Klbs. Pump#1=90spm, Pump#2=45spm low performance & Pump#3=100spm.
11:30 - 13:30	Pump hi vis, circulate hole to get clean shaker's.
13:30 - 23:30	POOH from 2360ft to 1800ft, With out circulation Max over pull 25Klbs. Connect top drive and continue POOH to 480 ft (18" conductor shoe) w/circulation 230gpm, 450psi over pull = 5-10Klbs. Cont POOH BHA 480ft to surface POOH without circulation, L/D MWD, MM and 17" PDC Bit.
23:30 - 00:00	Organized and condition rig floor.

FEBRUARY 01st, 2014

00:00 - 02:00	M/U slick BHA with 17" tricone bit, 8" bit sub, 15 3/4" stab, 02 DC 8", drilling jar, 01 DC 8", XO, 03 DC 6 1/2", 06 HWDP 5", and RIH from surface to 480 ft (18" conductor shoe).
02:00 - 02:30	Perform rig services.
02:30 - 05:30	Cont RIH 17" BHA with 5" DP to 2360 ft, last 3 stand washdown.
05:30 - 07:30	Circulate, pump hi-viscous pill and continue circulate until clean shakers.
07:30 - 12:30	POOH conventional BHA from 2360 ft to 480 ft with circulation. Continue POOH and L/D BHA to surface.
12:30 - 13:30	Conditon rig floor and retrieve hydraulic tong, elevatror and change links.
13:30 - 15:00	ITS Rig up fill up tool, spider and power tongs to run 13 3/8" csg.

15:00 - 15:30 Perform safety meeting with all personell to run 13 3/8" csg.
 15:30 - 16:00 Run 13 3/8" guide shoe+ 1jt 13 3/8" csg + float collar+ 1 jt 13 3/8" csg 54.5 ppf, K-55, BTC.
 16:00 - 16:30 ITS power tong failed, changed by back up power tong to continue.
 16:30 - 00:00 Continue running 13 3/8" csg (54.5 ppf, K-55, BTC) from 74 ft to 2133 ft, fill up string each 5 joints.

FEBRUARY 02nd, 2014

00:00 - 01:00 Continue running 13 3/8" csg (54.5 ppf, K-55, BTC) from 2133 ft to 2359 ft, fill up string each 5 joints. Used 10 Bow spring, 05 semi-rigid
 01:00 - 03:00 Circulate and reciprocate csg with 390 gpm, 130 psi. meanwhile ITS R/D running tools (power tong, hyd hoses).
 03:00 - 03:30 ITS and Pepesa crew L/D fill up tool and csg spider.
 03:30 - 05:00 Baker crew install casing head and cement lines.
 05:00 - 06:30 Continue circulate with 300 gpm and 250 psi. While prepare and mix materials to cement job.
 06:30 - 07:00 Perform safety and operational meeting with all personal to cement job.
 07:00 - 11:00 Perform test in cement lines with 2750 psi x 10 min, Ok, pump 20 bbls of mud clean 8.4 ppg x 6 bpm, pump 30 bbls of Tuned Spacer 10.5 ppg x 8 bpm. Drop bottom plug.
 Pump 274 bbls of 13.2 ppg lead slurry Cement x 5 bpm. Pump 92 bbls of tail slurry of 15.2 ppg , drop top plug.
 Baker displaced with 387 bbls of Mud 10 ppg x 6-3 bpm (displaced 7.8% more than theoretical volume). Bump plug Pressure: 540 psi, test casing pressure with 900 psi, Ok, back flow: 3 bbls and continue
 Return to surface: 10 bbls contaminated cement of 12.5 ppg. Used 1229 sx of cement Pacasmayo l.
 11:00 - 11:30 Baker R/D cement lines.
 11:30 - 14:00 Cut windows in conductor 18", center casing 13 3/8", install and weld ring 13 3/8" x 18".
 14:00 - 18:00 L/D cement head, cut casing joint 13 3/8". Nipple down bell nipple, 21-1/4" annular, drilling spool and flange extention.
 18:00 - 19:00 Cut 13-3/8" surface casing with FEPCO cut casing system.
 19:00 - 20:00 Maneuver to install casing head 13-5/8" x 3,000psi x 13-3/8" casing grip. leveling
 csg head, without success.
 20:00 - 22:00 Pick up csg head and correct beveling 13 3/8" csg, install casing head 13-5/8" x 3,000psi x 13-3/8" casing grip, Pressure tets with 1,100psi x 10 min Ok.
 22:00 - 00:00 N/U 13-5/8"-3M extention, 13-5/8-3M x 13-5/8-5M DSA.

FEBRUARY 03rd, 2014

00:00 - 07:30 Cont N/U drilling spool, Blind ram BOP, pipe ram BOP 13 5/8" and annular BOP 13 5/8", tight bolts.
 07:30 - 09:00 Observed leak between 13 3/8" csg and csg head. Fepco personnel perform pressure test with 900 psi, ok bleed off pressure and observed csg head. no leak, retest again with 900 psi ok.
 09:00 - 13:00 Continue N/U 13 5/8" BOP, Tigth bolts and install choke line and kill line.
 13:00 - 14:00 Use platform crane to lowered ITS, Weatherford and savia materials and send on Confidence barge.
 14:00 - 16:00 Maneuver with platform crane and Center BOP, weld stops, n/u bell niple.
 16:00 - 16:30 Perform pressure test integrity of Fepco csg head. close blind ram and pressure

	test with 1000 psi x 10 min ok. without leaking.
16:30 - 17:00	Install plug tester with HWDP & DP.
17:00 - 21:00	Perform pressure test 13 5/8" BOP stack:P/T annular BOP w/300/1500 psi x10 min each ok.P/T pipe ram with HCR w/ 300/3000 psi each.P/T surface lines fr TD to pumps, manifold of stand pipe w/300/3000 psi. Retrieve 5" DP of maneuver and pressure test blind ram with manual lateral valve w/ 300/3000 psi ok. P/T all choke manifold valves with 300/3000 psi x 10 min each ok.
21:00 - 00:00	Upload 5" DP from barge to platform, measure and take series.

FEBRUARY 04th, 2014

00:00 - 06:30	M/U 70 x 5" DP in stands in set back.And continue upload 5" DP, HWDP fr barge to platform.
06:30 - 07:00	Instal wear buhing.
07:00 - 07:30	Weatherford safety meeting prior make up Directional BHA.
07:30 - 10:30	M/U dir BHA w/ 12-1/4" PDC bit SKH419S-A1A Jets=6x15 S/N: E182076, 0.15 rev/gal, BH=1.5° Frontline 8", STB 11 13/16", 8"Mule shoe, 8" PP - MWD. 8" NMDC ,1 x 8"DC, x/o, 3 x6 1/2" DC . To 200 ft. Pepesa replaced saver sub.
10:30 - 11:00	Perform shallow test MWD, ok.
11:00 - 18:00	Cont. RIH dir BHA from 200 ft to 989 ft, 12 X5" HWDP,6 1/2" Drilling Jar, 12 X5" HWDP in singles to 989 ft: BHA. And cont RIH with 5" DP from 989 ft to 2306 ft when tag cement.
18:00 - 20:00	Drill out cement and flot collar from 2306 ft to 2333 ft.
20:00 - 20:30	Casing press test with 1000 psi x 10min Ok.
20:30 - 21:30	Drill out cement from 2333 ft to 2360 ft, Drill 15ft new formation from 2360 ft to 2375 ft.
21:30 - 22:30	Circulate hole, displaced old mud by new mud as per program 10ppg. and confirm formation.
22:30 - 23:00	Perform Formation Integrity Test (FIT) with EMW of 13.5 ppg, WHP= 380 psi x10min, pressure drop from 380 psi to 290 psi. EMW: 12.7 ppg.
23:00 - 00:00	Drill rotate from 2375 ft to 2430 ft with 825 gpm, PP 2600 psi, WOB 12-14Klbs, 50rpm, Torq 12-13 k ft-lb

FEBRUARY 05th, 2014

00:00 - 02:00	Continue drilling 12 1/4" hole in rotate mode from 2430 ft to 2601 ft with 820 gpm, PP 2550psi, WOB 12-15Klbs, 50rpm, Torq 12-13 k ft-lb.
02:00 - 02:30	Drill slide from 2601 ft to 2623 ft with 820 gpm, 2500 psi, 10 klb wob.
02:30 - 03:30	Drill 12 1/4" hole in rotate mode from 2623 ft to 2696 ft with 820 gpm, PP 2650 psi, WOB 12-15Klbs, 50rpm, Torq 12-13 k ft-lb
03:30 - 04:00	Drill slide from 2696 ft to 2716 ft with 820 gpm, 2650 psi, 10 klb wob.
04:00 - 05:00	Drill 12 1/4" hole in rotate mode from 2716 ft to 2887 ft with 820 gpm, PP 2740 psi, WOB 12-15Klbs, 50rpm, Torq 12-13 k ft-lb
05:00 - 06:00	Accumulate ream and take surveys.
06:00 - 07:00	Drill 12 1/4" hole in rotate mode from 2887 ft to 2981 ft with 820 gpm, PP 2740 psi, WOB 12-15Klbs, 50rpm, Torq 12-13 k ft-lb avg rop: 140 ft/hr.
07:00 - 08:00	Ream stand, take survey and pumpdisperse and HVP and continue circulate until clean hole.
08:00 - 10:30	Drill 12 1/4" hole in rotate mode from 2981 ft to 3170 ft with 820 gpm, PP 2720 psi, WOB 10-12Klbs, 50rpm, Torq 10-12 k ft-lb
10:30 - 11:00	Drill slide from 3170 ft to 3187 ft with 820 gpm, 2730 psi, 6 klb wob.
11:00 - 16:00	Drill 12 1/4" hole in rotate mode from 3187 ft to 3551 ft with 810 gpm, PP 2800

16:00 - 17:00	psi, WOB 7-8 Klbs, 55rpm, Torq 9-11 k ft-lb avg rop: 100 ft/hr. Ream stand, take survey and pumpdisperse and HVP and continue circulate until clean hole.
17:00 - 19:00	Drill 12 1/4" hole in rotate mode from 3551 ft to 3646 ft with 810 gpm, PP 2890 psi, WOB 7 Klbs, 55rpm, Torq 9-11 k ft-lb avg rop: 100 ft/hr.
19:00 - 19:30	Drill slide from 3646 ft to 3664 ft with 815 gpm, 2900 psi, 6 klb wob.
19:30 - 20:30	Drill 12 1/4" hole in rotate mode from 3664 ft to 3742 ft with 810 gpm, PP 2930 psi, WOB 7 Klbs, 55rpm, Torq 9-11 k ft-lb avg rop: 100 ft/hr.
20:30 - 22:00	Circulate pump disperse and HVP and continue circulate until clean hole.
22:00 - 00:00	Perform short trip: POOH from bottom (3742 ft) to 3000 ft with backreaming.with 800 gpm. observed cutting on shakers. max over pull 30klb .

FEBRUARY 06th, 2014

00:00 - 03:30	Continue POOH from 3000 ft to shoe (2360 ft) with bacreaming and circulate cuttings at shoe.
03:30 - 05:30	RIH dir BHA from shoe to bottom 3740 ft without restriction.
05:30 - 06:30	Circulate at bottom and pum HVP until clean the hole.
06:30 - 07:00	Rig services
07:00 - 08:00	Drill slide from 3742 ft to 3772 ft with 800 gpm, 2970 psi, 5 klb wob.
08:00 - 12:30	Drill 12 1/4" hole in rotate mode from 3772 ft to 4025 ft with 790 gpm, PP 3000 psi, WOB 5-7Klbs, 60rpm, Torq 10-11 k ft-lb avg ROP: 90 ft/hr working with controled ROP
12:30 - 13:30	Ream and take surveys. Pump HVP and circulate until clean the hole.
13:30 - 18:30	Drill 12 1/4" hole in rotate mode from 4025 ft to 4311 ft with 790 gpm, PP 3050 psi, WOB 5-7Klbs, 60rpm, Torq 10-11 k ft-lb avg ROP: 90 ft/hr working with controled ROP
18:30 - 19:30	Ream and take surveys. Pump HVP and circulate until clean the hole.
19:30 - 20:00	PEPESA repair Pump # 3. while circulate with 600 gpm.
20:00 - 00:00	Drill 12 1/4" hole in rotate mode from 4311 ft to 4511 ft with 790 gpm, PP 3050 psi, WOB 5-7Klbs, 60rpm, Torq 10-11 k ft-lb avg ROP: 90 ft/hr working with controled ROP

FEBRUARY 07th, 2014

00:00 - 03:30	Drill 12 1/4" hole in rotate mode from 4511 ft to 4691 ft with 780 gpm, PP 3050 psi, WOB 5-7Klbs, 60rpm, Torq 10-11 k ft-lb avg ROP: 80 ft/hr working with controled ROP
03:30 - 04:00	Ream and take survey.
04:00 - 05:30	Circulate pump disperse and HVP and continue circulate until clean hole.
05:30 - 07:00	Perform short trip: POOH from 4691 ft to 4000 ft. with circulation.
07:00 - 08:00	Circulate at 4000 ft and observed a lot of cutting on shakers.
08:00 - 13:00	Continue POOH from 4000 ft to shoe (2360 ft) with backreaming with 800 gpm. max over pull 30 klb.
13:00 - 13:30	Circulate at shoe.
13:30 - 14:00	Rig services
14:00 - 16:00	RIH from 2300 ft to bottom 4690 ft without restriction. last 2 stands wash down.
16:00 - 16:30	Circulate at bottom. Observed wash out on 4" rotary mud hose and stop circulate.
16:30 - 19:30	POOH dir BHA from 4690 ft to shoe (2360 ft) withou circulation. max over pull 40 klb.

19:30 – 00:00 Wait on shoe with dir BHA while perform change of 4" rotary hose due a wash out.
Connect circulate head with 2" mud hose and circulate at shoe.

FEBRUARY 08th, 2014

00:00 - 03:00 Continue Waiting on shoe with dir BHA while perform change of 4" injection rotary hose due a wash out.
03:00 - 05:00 RIH dir BHA from shoe to bottom 4690 ft without restriction.
05:00 - 05:30 Circulate at bottom.
05:30 - 06:30 Pump HVP and continue circulate until clean the hole.
06:30 - 11:00 Drill 12 1/4" hole in rotate mode from 4691 ft to 4976 ft with 770 gpm, PP 3180 psi, WOB 5-7Klbs, 55 rpm, Torq 13-15 k ft-lb avg ROP: 80 ft/hr working with controled ROP.
11:00 - 12:00 Ream and take surveys. Pump HVP and circulate until clean the hole.
12:00 - 13:00 Drill 12 1/4" hole in rotate mode from 4976 ft to 5016 ft with 770 gpm, PP 3200 psi, WOB 5-7Klbs, 55 rpm, Torq 13-15 k ft-lb avg ROP: 60 ft/hr working with controled ROP.
13:00 - 18:00 Pump # 3 faliiled, pepesa repair mud pump. while circulate with pump #1 & 2 with 640 gpm, 2260 psi.
18:00 - 21:00 Drill 12 1/4" hole in rotate mode from 5016 ft to 5165 ft with 755 gpm, PP 3260 psi, WOB 5-7Klbs, 55 rpm, Torq 13-16 k ft-lb avg ROP: 60 ft/hr working with controled ROP.
21:00 - 21:30 Ream and take survey
21:30 - 23:00 Circulate, pump disperse and HVP and continue circulate until clean hole.
23:00 - 00:00 Drill 12 1/4" hole in rotate mode from 5016 ft to 5215 ft with 755 gpm, PP 3250 psi, WOB 5-7 Klbs, 55 rpm, Torq 13-15 k ft-lb avg ROP: 60 ft/hr working with controled ROP.

FEBRUARY 09th, 2014

00:00 - 05:00 Drill 12 1/4" hole in rotate mode from 5016 ft to 5215 ft with 740/730 gpm, PP 3250 psi, WOB 5-7 Klbs, 55 rpm, Torq 13-16 k ft-lb avg ROP: 60 ft/hr working with controled ROP.
05:00 - 06:00 Accumulate ream and take surveys.06:00 - 07:30
06:00 – 07:30 Drill 12 1/4" hole in rotate mode from 5470 ft to 5545 ft with 740/730 gpm, PP 3250 psi, WOB 5-7 Klbs, 55 rpm, Torq 13-16 k ft-lb avg ROP: 60 ft/hr working with controled ROP.
07:30 - 08:00 Ream and take surveys.
08:00 - 10:00 Pump disperse and HVP and circulate until clean the hole. Observed cavings and icrease mud weigth from 10.9 ppg to 11ppg.
10:00 - 12:00 POOH dir BHA from bottom (5545 ft) to 4250 ft. With circulation.
12:00 - 13:00 Circulate until clean the hole, observed a lot of cutting on shakers.
13:00 - 00:00 Continue POOH from 4250 ft to 3200 ft wiht backreaming. Max over pull: 30klb. Continue POOH from 3200 ft to shoe(2358) with circulation. Circulate at shoe and perform flow check x 10 min ok.
Continue POOH from 2358 ft to surface and L/D dir BHA and bit.

FEBRUARY 10th, 2014

00:00 - 07:00 Condition rig floor and RIH conventional BHA with 12 1/4" tricone bit from surface to 5545 ft. Last 2 stand wash down.

07:00 - 12:00 Start circulate at bottom and Capitan of Santodomingo barge decided separate barge due bad weather.

12:00 - 13:30 POOH dir BHA from bottom (5545 ft) to shoe (2358 ft). With backreaming.

13:30 - 00:00 Disconnect mud,water,air,and electric lines from platform to barge.
Wait on weather conditions, captain of santodomingo barge evaluate weather conditions.

FEBRUARY 11th, 2014

00:00 - 05:30 Continue waiting on weather conditions, captain of santodomingo barge evaluate weather conditions.

05:30 - 07:30 Connect mud,water and electric lines from barge to platform.

07:30 - 10:00 RIH conventional BHA from shoe 2358 ft to 4950 ft without restriction. Circulate each 1000 ft.

10:00 - 13:00 Set string at 4950 ft and wash down from 4950 ft to bottom 5545 ft. Tigth hole. At 5400 ft lost rotation and work string to free string.

13:00 - 15:30 Circulate at bottom and pump HVP and cont. Circulate until clean the hole. calibrate hole with rice. avg hole diameter: 12.5".

15:30 - 18:30 POOH conventional BHA from 5545 ft to 4300 ft with backreaming.

18:30 - 22:00 POOH from 4300 ft to shoe (2358 ft) with circulation.

22:00 - 00:00 POOH from shoe to 500 ft and L/D BHA.

FEBRUARY 12th, 2014

00:00 - 01:00 Continue POOH and L/D conventional BHA to surface.

01:00 - 02:00 Retrieve wear bushing, retrieve hawk jaw tong, elevator and condition rig floor.

02:00 - 02:30 Rig up ITS casing run tools power tong and tongs.

02:30 - 03:00 Safety meeting prior run 9-5/8" casing

03:00 - 09:00 Run 9-5/8" casing 43.5#, N80 & BTC (Shoe track: Shoe, 02ea joint, float collar) and continue run 9-5/8" casing to shoe (2358 ft). Fill each 5ea casing. Install centralizers acording program.Circulate at shoe BU.

09:00 - 10:30 Rlg up ITS casing running tools, install fill up tool and spider, change links and elevator.

10:30 - 14:30 Circulate at shoe and continue to run 9-5/8" casing 43.5#, N80 BTC from 2358 ft to 4130 ft, fill each 05 casing, no restriction.

14:30 - 15:00 Circulate at 4100 ft bottom up.

15:00 - 18:00 Continue RIH 9 5/8" csg 43.5#, N80 BTC from 4100 ft to 5542 ft, fill each 05 casing, no restriction. Total run 147 x 9 5/8" csg.

18:00 - 21:00 Circulate hole with 350 gpm & 500 psi.
Hipo barge alongside to Santodomingo barge at 19:00 hrs. Lowered cement lines and Baker rig up cement lines.

21:00 - 22:30 Rig down ITS fill up tooool,spider and install Baker cement head

22:30 - 23:00 Operational and safety meeting prior to cement job with Baker, Mi swaco, PEPESA,TGT LAB and Savia personnel.

23:00 - 00:00 P/T cement lines with 3000 psi x 10 min ok. Pump 30bbl-8.4ppg of mud clean, 40bbl-12 ppg of MC spacer, Drop bottom plug.

FEBRUARY 13th, 2014

00:00 - 03:00 Pump 262 bbls of 13 ppg lead slurry Cement x 6 bpm. Pump 43 bbls of tail slurry of 15.2 ppg, drop top plug.
Baker displaced with 437 bbls of Mud 11ppg x 7-2.5 bpm (displaced 7.4% more than theoretical volume). No bump plug press drop 15 psi, decided stop displacement. back flow: 1.7 bbls, close csg head and
Return to surface: when finish displacement observed contaminated cement of 11.8 ppg. Used 1000 sx of cement Pacasmayo V.

03:00 - 04:00 Rig down Baker cement lines. and leave cement head with manifold in well.

04:00 - 06:00 Maneuver and lift 13 5/8" BOP stack. and set 9 5/8" csg hanger.

06:00 - 10:00 Wait on cement. while move materials from platform to barge.

10:00 - 11:30 Open the well, R/D cement head, cut and L/D landing joint casing 9 5/8".

11:30 - 14:30 N/D BOP stack 13 5/8", riser spool 13 5/8".

14:30 - 17:00 Bevel casing and install casing head spool 13-5/8"x3M -11"x3M Psi. Test casing head spool with 1900 psi x 10 min, Ok.

17:00 - 00:00 N/U riser spool, DSA 13 5/8" and BOP stack 13 5/8". install bell nipple, center BOP and weld pads. connect choke and kill line, install flow line.

FEBRUARY 14th, 2014

00:00 - 01:00 Change links and elevator of top drive, install saver sub, install hydraulic lines to BOP and perform operative test open/close 8 sec.

01:00 - 01:30 Install plug tester.

01:30 - 05:30 Pressure test pipe ram, blind rams, choke & kill lines, surface lines & manifold with 300/ 3000 psi x 10 min each ok, P/T annular bop with 300/1500 psi ok.

05:30 - 06:30 Retrieve plug tester. Upload 5" DP from barge to platform. close blind rams and pressure test csg with 800 psi. ok.

06:30 - 14:30 Continue moving 5" DP from barge to platform measure & take series.
M/U 60 jts x 5" DP in stand in set back.

14:30 - 15:00 Install wear bushing.

15:00 - 15:30 L/D 1 stand of 8" DC.

15:30 - 20:30 M/U Slick BHA with 8 1/2" tricone bit and RIH from surface to 4020 ft. fill pipe each 1000 ft. at 2837 ft observed a little restriction and continue RIH without problems. RIH while wait WTF dir tools.

20:30 - 21:30 At 4020 ft fill pipe and continue circulate bottom up, observed pieces of top and bottom plug by shakers and mud contaminated with cement). RIH slick BHA while wait on WTF directional tools.

21:30 - 22:00 Continue RIH from 4020 ft to 4768 ft without circulation.

22:00 - 23:00 At 4768 ft tag restriction, circulate and RIH to 4820 ft with circulation, observed pieces of top & bottom plugs by shakers and mud contaminated with cement.

23:00 - 00:00 RIH from 4820 ft to 5065 ft. tag restriction at 4820-4876 and from 5030- 5065 ft RIH with rotation. observed pieces of top & bottom lugs by shakers. and mud contaminated with cement.

FEBRUARY 15th, 2014

00:00 - 02:00 Continue RIH from 5065 ft to 5455 ft. some stands tag restriction and RIH with rotation. drill out cement from 5449 ft to 5456 ft.

02:00 - 03:00	Pressure test csg integrity with 800 psi x 10 min ok. above float collar.
03:00 - 06:00	Drill out float collar at 5456 ft. continue RIH in shoe track with circulation, no restriction from 5460 to 5536 ft. observed mud contaminated with cement.
06:00 - 09:00	Drill out shoe (5542ft) and formation to 5560 ft.
09:00 - 10:00	Displace contaminated mud by 11 ppg new mud and circulate.
10:00 - 11:00	Perform formation integrity test with(FIT) with 630 psi EMW: 14 ppg, pressure drop gradually from 630 psi to 380 psi.
11:00 - 12:00	Prepare 20 bbls of LCM pill and spot on bottom.
12:00 - 12:30	POOH 3 stand to 5250 ft to perform FIT.
12:30 - 13:00	Perform FIT with 600 psi, pressure drop gradually from 600 psi to 500 psi.
13:00 - 14:00	POOH slick BHA from 5250 ft to 4600 ft.
14:00 - 15:30	Cut off & slip drilling line.
15:30 - 16:00	Rig services.
16:00 - 21:00	POOH slick BHA from 4600 ft to surface and L/D BHA.
21:00 - 21:30	Weatherford perform safety and operational meeting prior to Make up BHA.
21:30 - 00:00	M/U directional BHA with 8 1/2" PDC bit NOV SKFI519M-A2D, 5 x15 TFA:0.863 in2 S/N: A188113, Hyper line motor 6 3/4" BH: 1.5°, 0.29 rev/gal, 6 3/4" mule shoe, 6 3/4" hyper pulse, 6 3/4" NMDC, 6 1/2" DC, 5"HWDP, 6 1/2" drilling jar, 22x5" HWDP to 857 ft, shalow test MWD ok.

FEBRUARY 16th, 2014

00:00 - 04:00	Continue M/U & RIH dir BHA: with HWDP from 857 ft to 1013 ft: BHA. Continue RIH BHA with 5" DP to 5560 ft and circulate at bottom.
04:00 - 05:30	Drill rotate from 5560 ft to 5616 ft with 512 gpm, 2000 psi, 50rpm, 15-16 kft-lb TQ, 5-8 klb WOB.
05:30 - 06:00	Repair mud pumps while circulate with pump #1.
06:00 - 07:30	Drill rotate from 5616 ft to 5663 ft with 530 gpm, 2260 psi, 50rpm, 15-16 kft-lb TQ, 5 klb WOB.
07:30 - 08:30	Drill slide from 5663 ft to 5685 ft with 535 gpm, 2300 psi.
08:30 - 14:00	Drill rotate from 5685 ft to 6050 ft with 550 gpm, 2720 psi, 55 rpm, 15-17 kft-lb TQ, 12-15 klb WOB. Avg rop: 80 ft/hr.
14:00 - 15:00	Accumulate ream and take surveys, pump.
15:00 - 16:30	Drill rotate from 6050 ft to 6138 ft with 550 gpm, 2730 psi, 50 rpm, 15-17 kft-lb TQ, 12-15 klb WOB. Avg rop: 80 ft/hr.
16:30 - 17:00	Drill slide from 6138 ft to 6167 ft with 540 gpm, 2540psi.
17:00 - 18:30	Drill rotate from 6167 ft to 6234 ft with 550 gpm, 2790 psi, 55 rpm, 15-17 kft-lb TQ, 12-15 klb WOB. Avg rop: 80 ft/hr.
18:30 - 19:00	Drill slide from 6234 ft to 6251 ft with 540 gpm, 2540psi.
19:00 - 19:30	Drill rotate from 6251 ft to 6330 ft with 550 gpm, 2830 psi, 55 rpm, 15-17 kft-lb TQ, 15 klb WOB. Avg rop: 80 ft/hr.
19:30 - 20:00	Ream and take survey.
20:00 - 22:00	Circulate and pump disperse and HVP and continue circulate until shaker clean.
22:00 - 23:30	Short trip: POOH from bottom 6330 ft to shoe (5545 ft). with circulation.
23:30 - 00:00	RIH from 5545 ft to 6100 ft. without circulation.

FEBRUARY 17th, 2014

00:00 - 00:30	Continue RIH from 6100 ft to bottom (6329 ft) wash down. and circulate.
00:30 - 05:00	Drill rotate from 6329 ft to 6610 ft with 550 gpm, 2850 psi, 55rpm, 15-17 kft-lb TQ, 10-13 klb WOB. avg ROP 60 ft/hr.
05:00 - 06:00	Acc ream and take surveys.
06:00 - 14:00	Drill rotate from 6610 ft to 6994 ft with 555 gpm, 3100 psi, 55 rpm, 15-17 kft-lb

TQ, 10-13 klb WOB. avg ROP 60 ft/hr.
 14:00 - 15:30 Acc ream and take surveys.
 15:30 - 16:30 Drill slide from 6994 ft to 7017 ft with 550 gpm, 2850 psi, 20 klb WOB. 30 FT/HR.
 16:30 - 18:00 Drill rotate from 7017 ft to 7088 ft with 550 gpm, 3100 psi, 55 rpm, 16-18 kft-lb TQ, 12-15 klb WOB. avg ROP 60 ft/hr.
 18:00 - 19:00 Drill slide from 7088 ft to 7110 ft with 550 gpm, 2850 psi, 20 klb WOB. 30 ft/hr.
 19:00 - 21:00 Drill rotate from 7110 ft to 7182 ft with 550 gpm, 3080 psi, 55 rpm, 16-18 kft-lb TQ, 12-15 klb WOB. avg ROP 50 ft/hr.
 21:00 - 22:00 Drill slide from 7182 ft to 7204 ft with 550 gpm, 2850 psi, 20 klb WOB. 30 ft/hr.
 22:00 - 23:00 Drill rotate from 7204 ft to 7278 ft with 550 gpm, 3150 psi, 55 rpm, 17-18 kft-lb TQ, 13-16 klb WOB. avg ROP 50 ft/hr.
 23:00 - 00:00 Acc ream and take surveys. and pump HVP.

FEBRUARY 18th, 2014

00:00 - 05:00 Drill rotate from 7278 ft to 7520 ft with 550 gpm, 3200 psi, 55 rpm, 17-18 kft-lb TQ, 14-16 klb WOB. avg ROP 45 ft/hr.
 05:00 - 06:00 Accumulate ream and take survey. Last survey at 7408 ft: inc 52.44 deg, inc 306.69 deg
 06:00 - 14:30 Drill rotate from 7520 ft to 7712 ft with 545 gpm, 3280 psi, 55 rpm, 17-19 kft-lb TQ, 12-16 klb WOB. avg ROP 30 ft/hr.
 14:30 - 15:00 Accumulate ream and take survey.
 15:30 - 22:30 Drill rotate from 7712 ft to 7859 ft with 545 gpm, 3280 psi, 55 rpm, 17-19 kft-lb TQ, 12-15 klb WOB. avg ROP 20-30 ft/hr.
 22:30 - 00:00 Circulate, obtain last geology sample at 7859 ft, 50% claystone, 20% siltstone, 30% sandstone. Mogollon Fm.
 pump sweep pill, continue to circulate until clean shaker.
 Last survey: MD 7859 ft, Incl: 56.54°, Az: 305.04°, TVD: 5461.87 ft.

FEBRUARY 19th, 2014

00:00 - 01:00 Continue to circulate with 550 gpm, SPP: 2890 psi, reciprocate string with 60 RPM.
 01:00 - 14:30 POOH dir. BHA and 8 1/2" PDC bit from 7859 ft to 5600 ft with circulation, no rotation, no restriction.
 Continue POOH from shoe to surface and L/D dir BHA with 8-1/2"PDC bit.
 14:30 - 15:00 Rig services.
 15:00 - 23:30 M/U & RIH slick BHA with 8 1/2" tricone bit from surface to 7400 ft, no circulation, last 04 stands wash down. observed 900 units of gas in bottom up, circulate and homogenize, gas units down to 10 units.
 23:30 - 00:00 Circulate with 550 gpm, 2200 psi.

FEBRUARY 20th, 2014

00:00 - 02:00 Continue to circulate, pump sweep pill, continue to circulate to clean shakers, Diameter of hole: 8.72 inch according rice test.
 02:00 - 11:30 POOH slick BHA with 8 1/2" tricone bit from 7859 ft to 5500 ft with low circulation, no rotation, no restriction. Continue POOH to surface and L/d BHA.
 11:30 - 12:00 Perform operational and safety meeting with Wheatherford, Pepesa & Savia personnel before run log tools.
 12:00 - 00:00 M/U Compact Well Shuttle BHA (Weatherford): Mule shoe, circulating sub, garage pipe 3 1/2", shuttle lower latch, shuttle upper latch, garage pipe, shuttle

float sub (length: 205 ft).

Run log tools (Weatherford) with 5" DP from 250 ft to 7859 ft, drifting DP 5".

Check pressure at 1800 ft with 1 BPM/240 psi, 2 BPM/340 psi, 3 BPM/520 psi.

Check pressure at 5520 ft with 1 BPM/360 psi, 2 BPM/420 psi, 3 BPM/520 psi.

Check pressure at 6665 ft with 1 BPM/430 psi, 2 BPM/550 psi, 3 BPM/740 psi.

FEBRUARY 21st, 2014

00:00 - 00:30	P/U string from 7864 ft to 7700 ft, check press with 1 BPM/520 psi, 2 BPM/ 612 psi, 3 BPM/ 820 psi.
00:30 - 02:30	Drop ball and displace with 3 BPM, pressure drop from 820 psi to 525 psi. Check pressure with 3 BPM/525 psi, 2 BPM/460 psi, 1 BPM/241 psi.
02:30 - 11:00	POOH DP5" with shuttle compact logs from 7700 ft to 2390 ft, logging with shuttle compact from Weatherford. Logs GR-NPRL Neutron, CLDC Density Caliper, DSLL-DDLL Resistivity.
11:00 - 15:30	Received visit of OEFA.
15:30 - 18:00	Continue POOH 5" DP from 2390 ft to 205 ft.
18:00 - 19:30	L/D Well Shuttle Compact logs BHA (Weatherford). Observed logs don't deployment from shuttle compact, secure pins didn't break, system fail.
19:30 - 20:30	Retrieve wear bushing, change links elevators, uninstall Hawk jaw.
20:30 - 21:00	R/U equipment and tools of ITS service. Install casing board.
21:00 - 21:30	Perform safety and operational meeting of run casing.
21:30 - 00:00	Run casing 5-1/2" 17ppf, N-80 (shoe track: 5 1/2" casing shoe, 02 casing 5 1/2", float collar 5 1/2"). Continue to run casing 5 1/2" to 1000 ft.

FEBRUARY 22nd, 2014

00:00 - 12:00	Continue to run casing 5 1/2", N-80 ,17ppf from 1000 ft to 7859 ft, total 210 casing, fill each 10 casing and install centralizers according program.
12:00 - 14:30	Circulate and condition mud with fill up tool system 400gpm & 480 psi.
14:30 - 15:00	Uninstall fill up tool, casing board from ITS service.
15:00 - 15:30	Install cement head from Halliburton.
15:30 - 16:00	Perform safety and operational meeting with services companies.
16:00 - 18:30	Halliburton perform cement job: test lines with 3400 psi x 5 min, pump 50 bbls of mud low reology 11.3 ppg, pump 20 bbls of mud flush III 8.4 ppg, pump 30 bbls of tuned spacer III 12.5 ppg. Release bottom plug, pump 52 bbls of Cement Econocem V 13.5 ppg, pump 102 bbls of 15.2 ppg cement GasStopCem V 15.2 ppg. Release top plug, displace with 181 bbls of mud 11.3 ppg, bump plug with 600 psi, increase pressure to 1300 psi, relief press, back flow 1 bbl, close cement head with 1000 psi.
18:30 - 19:00	WOC, R/D cement lines from Halliburton.
19:00 - 19:30	WOC, install slings in BOP stack, maneuver and pick up BOP stack.
19:30 - 20:00	WOC, install casing hanger.
20:00 - 00:00	WOC, loosen bolts of BOP Stack.

CONCLUSIONS AND RECOMMENDATIONS

- The **LO16-29D**, is a development well, and was drilled in four phases until final depth 7859 feet MD; 5461.9 feet TVD.
- During 8.5" phase, it was used mud KLA-SHIELD type with mud weight between 11 ppg and 11.3 ppg.
- The last survey took was at 7799 feet MD, 5428.56 feet TVD with 56.02° of inclination and 304.53 degrees azimuth.
- The reservoir Mogollon top structurally was found at 6274.00 feet MD (RT), 4526.21 feet. TVD (RT), at 224 feet more upper structurally in TVD.
- Maximum gas formation peak was 270.1 units in Mogollon formation.
- In formations where gas readings are high recommended circulate well and not make the connection of pipe to gas decrease, also check the weight of the mud, if necessary increase the mud weight not exceeding ECD.
- During trip, as is usual in petroleum industry, in order to a best control is recommended used Trip Tank, checking displacement or filling hole.
- It is necessary send lubricated pill in the finished run casing for cleaning hole before of the cementing operation.
- Due to high ROP's reached with the PDC bit, was pumped heavy pills for clean hole.
- It is necessary to take care over all in sands in inclined wells due to the difficulty to maintain the pressure differential for controlling overpulls and then stuck pipes.