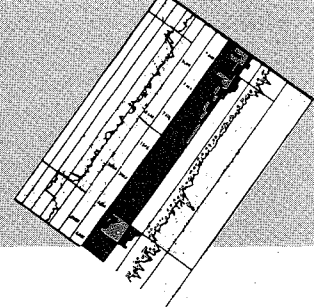




PETROLOG



Negritos January 12, 1998

Messers :

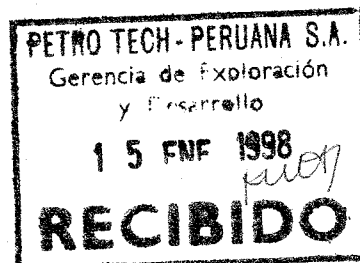
PETRO-TECH PERUANA S.A.

Mr. Carlos Valdizán
Operations Manager-Negritos

Mr. John Meyers
Production Manager-Negritos

Mr. Jerome Hagan
Drilling Manager-Negritos

Mr. M.A. Ruez
Exploration and Exploitation Manager-Lima



Dear Sirs :

Please find attached the **Final Report of the Well LO16-23**, drilled in the offshore Lobitos area.

The purpose to drill this well, was to continue the development of the Basal Salina sands, towards West South West of LO16 platform, in the structural block where the well LO16-14 encountered the Basal Salina sands, and proved good oil production.

The main objective, Basal Salina sands, was reached higher than expected, with good quality sands and fluorescence in the upper section.

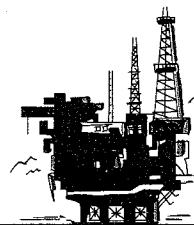
Although Lower Basal Salina is a short section, it showed good quality coarse to pebbly sands and fluorescence.

We are enclosing the **Drilling Parameters Log, Chromatographic and Total Gas readings Log, Lithologic Log (Strip Log).**

Yours sincerely

Jorge Jeri M.
Manager

JJ/ng
File : JJP-027





FINAL REPORT

WELL: LO16 - 23

PETRO-TECH PERUANA S. A.

TALARA - PERU

DEC. 1997 - JAN. 1998

LOGGER GEOLOGISTS:

***N. GONZALES R.
R. GONZALES R.
H. ALBERCA S.
J. JERI M.***



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INTRODUCTION



WELL

LO16-23

SUMMARY

The well LO16-23, is located in the Lobitos offshore area, in the following UTM coordinates :

Surface : 9'506,374.52 mN

459,710.88 mE

Bottom : 9'505,574.12 mN

458,397.59 mE

PETRO-TECH recommended to drill this well towards SW, in order to continue the development of the Basal Salina reservoir, in the same structural block where the well LO16-14 had proved good oil production.

The Mogollon sands, were considered secondary objective, this reservoir had proved good oil production in some wells of this area.

The primary objective, Basal Salina, was reached, at 8200' MD, -6619' SS, and encountered good quality sands with good hydrocarbon fluorescence, fast cut, and high gas readings.

During the drilling of this formation we took several mud samples, most of them with fair to good hydrocarbon shows (15-30% of spotty and patchy in pt, oil in mud.)

The Mogollon Formation was encountered at 6270' MD, -5130 SS.; this is 370' higher than the prognosis, with fair quality sand reservoir; with 5-30% of hydrocarbon fluorescence. We took mud sample at the depth of 6306' with poor oil shows.

The drilling was stopped at the FTD of 10043' MD, 8209' SS., on January 6th. 1998 at 20.00hrs.

JJ/rg



WELL DATA

COMPANY	: PETRO-TECH PERUANA S.A.
WELL	: LO16 - 23
FIELD	: LOBITOS OFFSHORE
AREA	: Z-2B - TALARA BASIN
COORDINATES	: SURFACE 9'506,374.52 m N 459,710.88 m E
	: BOTTOM 9,505,574.12 m N 458,397.59 m E
K.B	: 55'
WATER DEPTH	: 309'
SPUD DATE	: DECEMBER 2th, 1997
FINAL TOTAL DEPTH / DATE	: 10043' / JANUARY 6th, 1998
DRILLING CONTRACTOR	: PETREX.
RIG	: PTX - 3
LOGGING COMPANY	: HALLIBURTON
SIZE HOLE	: 8 1/2" From 6322' to 10043'
PRODUCTION CASING	: 5 1/2" AT ,
MUD LOGGING UNIT	: J.J. PETROLOG



PETRO-TECH PERUANA S.A.

***FINAL COORDINATES
(U.T.M.)***

WELL : Z-2B-21-57-D-LO16

(LO16 - 23)

TOTAL MEASURED DEPTH : 10043' DEPARTURE : 5046'

TOTAL VERTICAL DEPTH : 8264' AZIMUT : 238.63°

***PARTIAL COORDINATES
AT THE FINAL TD***

: S 2626' x 0.3048 m = 800.40 m.

W 4309' x 0.3048 m = 1313.29 m.

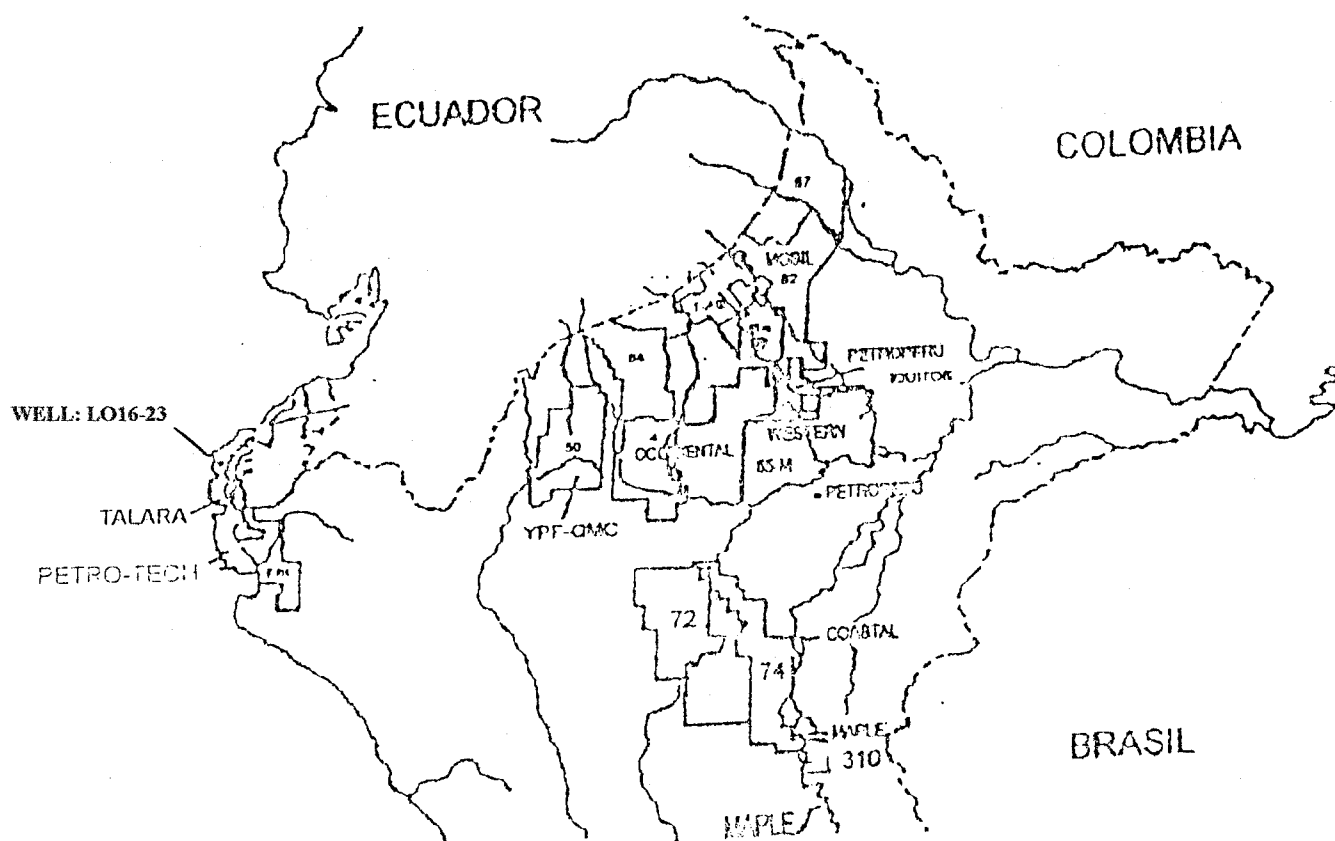
AVERAGE DIRECTION : S 58.63 W

**AVERAGE VERTICAL ANGLE : 30.27°
(TARGET)**

FINAL COORDINATES	: 9'506,374.52-	459,710.88 -
(U.T.M.)	800.40	1313.29
	9'505,574.12 mN	458,397.59 mE

LOCATION MAP

WELL : LO16-23





DRILLING & ENGINEERING

PETROTECH PERUANA S.A.

WELL: LO16-23

LOBITOS OFFSHORE



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

REPORT OF SURVEYS

(Basic data supplied by Anadrill-Schlumberger - Minimum Curvature Method)

SURFACE COORDINATES (U.T.M.): NORTH= 9,506,374.5 m 31,188,893 Ft

EAST = 459,710.9 m 1,508,238 Ft

DIRECTION OF DEVIATION: S 60° W

K.B. ELEVATION: 55 Ft

#	DEPTH (Ft)	INCLINATION (Degree)	DIRECTION (Degree)	VERTICAL DEPTH (Ft)	SUBSEA DEPTH (Ft)	NORTH (NEG= SOUTH (Ft)	EAST (NEG= WEST (Ft)	DEPART TOTAL (Ft)	DEPART ANGLE (Degree)	NORTH (m)	EAST (m)
0	0	0.00	0.00	0.0	55.0	0.0	0.0	0.0		9,506,374.52	459,710.88
1	715	1.20	228.70	714.9	-659.9	-4.9	-5.6	-7.5			
2	1,364	1.10	260.90	1,363.8	-1,308.8	-10.4	-16.9	-19.8			
3	1,513	1.40	267.20	1,512.8	-1,457.8	-10.7	-20.1	-22.8			
4	1,545	1.70	266.90	1,544.8	-1,489.8	-10.8	-21.0	-23.6			
5	1,671	4.40	253.10	1,670.6	-1,615.6	-12.3	-27.5	-30.1			
6	1,703	5.30	240.40	1,702.5	-1,647.5	-13.4	-29.9	-32.8			
7	1,734	6.50	232.00	1,733.3	-1,678.3	-15.2	-32.6	-35.9			
8	1,766	7.70	226.30	1,765.1	-1,710.1	-17.7	-35.5	-39.7			
9	1,829	10.20	243.70	1,827.3	-1,772.3	-23.1	-43.6	-49.3			
10	1,892	13.60	245.70	1,888.9	-1,833.9	-28.7	-55.3	-62.3			
11	1,955	17.10	244.10	1,949.7	-1,894.7	-35.8	-70.4	-79.0			
12	2,019	20.20	242.30	2,010.3	-1,955.3	-45.0	-88.7	-99.4			
13	2,082	23.20	243.00	2,068.8	-2,013.8	-55.7	-109.4	-122.7			
14	2,145	26.80	242.70	2,125.9	-2,070.9	-67.8	-133.1	-149.4			
15	2,208	30.10	241.30	2,181.3	-2,126.3	-82.0	-159.5	-179.4			
16	2,303	34.80	239.10	2,261.5	-2,206.5	-107.3	-203.7	-230.3			
17	2,367	36.70	237.60	2,313.4	-2,258.4	-127.0	-235.5	-267.6			
18	2,462	41.90	236.90	2,386.9	-2,331.9	-159.5	-286.1	-327.6			
19	2,625	45.40	236.90	2,504.8	-2,449.8	-220.9	-380.4	-439.9			
20	2,783	45.20	238.30	2,616.0	-2,561.0	-281.1	-475.2	-552.1			
21	2,939	44.70	238.70	2,726.4	-2,671.4	-338.7	-569.2	-662.3			
22	3,128	43.80	238.30	2,861.7	-2,806.7	-407.6	-681.6	-794.2			
23	3,286	43.80	239.00	2,975.8	-2,920.8	-464.5	-775.0	-903.5			
24	3,445	43.80	239.10	3,090.5	-3,035.5	-521.1	-869.4	-1,013.6			
25	3,613	43.60	238.90	3,212.0	-3,157.0	-580.9	-968.9	-1,129.7			
26	3,772	43.20	239.00	3,327.5	-3,272.5	-637.2	-1,062.5	-1,238.9			
27	3,931	42.70	239.00	3,443.9	-3,388.9	-693.0	-1,155.3	-1,347.2			
28	4,089	41.30	239.20	3,561.3	-3,506.3	-747.3	-1,246.0	-1,453.0			
29	4,247	40.00	239.80	3,681.2	-3,626.2	-799.6	-1,334.7	-1,555.9			
30	4,404	39.10	240.50	3,802.2	-3,747.2	-849.3	-1,421.4	-1,655.8			
31	4,561	39.20	240.70	3,924.0	-3,869.0	-898.0	-1,507.8	-1,754.9			
32	4,688	38.50	239.80	4,022.9	-3,967.9	-937.5	-1,576.9	-1,834.6			
33	4,866	37.30	239.10	4,163.4	-4,108.4	-993.1	-1,671.1	-1,943.9			

PETROTECH PERUANA S.A.

WELL: LO16-23

LOBITOS OFFSHORE



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

REPORT OF SURVEYS

(Basic data supplied by Anadrill-Schlumberger - Minimum Curvature Method)

SURFACE COORDINATES (U.T.M.): NORTH= 9,506,374.5 m 31,188,893 Ft

DIRECTION OF DEVIATION: S 60° W

EAST = 459,710.9 m 1,508,238 Ft

K.B. ELEVATION: 55 Ft

#	DEPTH (Ft)	INCLINATION (Degree)	DIRECTION (Degree)	VERTICAL DEPTH (Ft)	SUBSEA DEPTH (Ft)	NORTH (NEG= SOUTH (Ft)	EAST (NEG= WEST (Ft)	DEPART TOTAL (Ft)	DEPART ANGLE (Degree)	NORTH (m)	EAST (m)
34	5,030	37.10	239.80	4,294.0	-4,239.0	-1,043.5	-1,756.5	-2,043.1			
35	5,124	38.60	240.40	4,368.2	-4,313.2	-1,072.2	-1,806.5	-2,100.7			
36	5,283	40.90	241.00	4,490.5	-4,435.5	-1,122.0	-1,895.2	-2,202.4			
37	5,440	43.10	241.90	4,607.1	-4,552.1	-1,172.2	-1,987.4	-2,307.3			
38	5,599	46.00	242.90	4,720.4	-4,665.4	-1,223.8	-2,086.3	-2,418.7			
39	5,752	46.60	243.70	4,826.1	-4,771.1	-1,273.5	-2,185.1	-2,529.1			
40	5,846	46.50	244.60	4,890.8	-4,835.8	-1,303.3	-2,246.5	-2,597.2			
41	5,942	46.20	244.70	4,957.0	-4,902.0	-1,333.0	-2,309.3	-2,666.4			
42	6,037	46.00	245.10	5,022.9	-4,967.9	-1,362.0	-2,371.3	-2,734.6			
43	6,132	46.00	244.20	5,088.9	-5,033.9	-1,391.3	-2,433.0	-2,802.7			
44	6,227	45.80	245.40	5,155.0	-5,100.0	-1,420.3	-2,494.8	-2,870.7			
45	6,356	45.60	241.40	5,245.1	-5,190.1	-1,461.7	-2,577.3	-2,962.9			
46	6,389	45.70	239.90	5,268.2	-5,213.2	-1,473.2	-2,597.8	-2,986.5			
47	6,452	43.70	238.70	5,313.0	-5,258.0	-1,495.8	-2,635.9	-3,030.8			
48	6,520	42.30	237.60	5,362.7	-5,307.7	-1,520.3	-2,675.3	-3,077.1			
49	6,584	41.80	237.60	5,410.2	-5,355.2	-1,543.3	-2,711.5	-3,120.0			
50	6,679	41.40	238.50	5,481.3	-5,426.3	-1,576.7	-2,765.1	-3,183.0			
51	6,838	40.30	238.10	5,601.5	-5,546.5	-1,631.3	-2,853.5	-3,286.9			
52	6,996	39.80	238.10	5,722.5	-5,667.5	-1,685.0	-2,939.8	-3,388.5			
53	7,155	40.20	238.30	5,844.3	-5,789.3	-1,738.9	-3,026.7	-3,490.7			
54	7,313	39.20	238.40	5,965.9	-5,910.9	-1,791.8	-3,112.6	-3,591.5			
55	7,472	38.40	238.50	6,089.8	-6,034.8	-1,844.0	-3,197.5	-3,691.1			
56	7,630	37.80	238.20	6,214.1	-6,159.1	-1,895.1	-3,280.5	-3,788.6			
57	7,787	36.80	237.60	6,339.0	-6,284.0	-1,945.7	-3,361.1	-3,883.6			
58	7,945	36.20	236.30	6,466.0	-6,411.0	-1,996.9	-3,439.9	-3,977.5			
59	8,103	34.60	236.10	6,594.8	-6,539.8	-2,047.8	-3,515.9	-4,068.8			
60	8,261	33.90	236.60	6,725.4	-6,670.4	-2,097.1	-3,590.0	-4,157.6			
61	8,352	33.80	235.00	6,801.0	-6,746.0	-2,125.6	-3,631.9	-4,208.2			
62	8,446	33.50	235.40	6,879.2	-6,824.2	-2,155.3	-3,674.7	-4,260.1			
63	8,542	33.40	235.40	6,959.3	-6,904.3	-2,185.4	-3,718.2	-4,312.9			
64	8,637	33.40	235.50	7,038.6	-6,983.6	-2,215.0	-3,761.3	-4,365.0			
65	8,731	33.20	235.80	7,117.2	-7,062.2	-2,244.1	-3,803.9	-4,416.5			
66	8,826	32.60	235.50	7,197.0	-7,142.0	-2,273.3	-3,846.5	-4,468.0			
67	8,921	32.50	235.30	7,277.0	-7,222.0	-2,302.3	-3,888.6	-4,519.0			

PETROTECH PERUANA S.A.

WELL: LO16-23

LOBITOS OFFSHORE



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

REPORT OF SURVEYS

(Basic data supplied by Anadrill-Schlumberger - Minimum Curvature Method)

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68	9,016	32.50	234.60	7,357.2	-7,302.2	-2,331.6	-3,930.4	-4,569.9			
69	9,112	31.70	233.40	7,438.5	-7,383.5	-2,361.6	-3,971.6	-4,620.7			
70	9,207	30.50	232.90	7,519.8	-7,464.8	-2,391.0	-4,010.9	-4,669.5			
71	9,302	29.60	232.40	7,602.1	-7,547.1	-2,419.9	-4,048.7	-4,716.8			
72	9,397	28.70	232.20	7,685.0	-7,630.0	-2,448.2	-4,085.3	-4,762.7			
73	9,492	28.30	231.50	7,768.5	-7,713.5	-2,476.2	-4,121.0	-4,807.7			
74	9,587	27.70	230.70	7,852.4	-7,797.4	-2,504.2	-4,155.7	-4,851.9			
75	9,682	26.80	231.10	7,936.8	-7,881.8	-2,531.6	-4,189.4	-4,894.9			
76	9,775	25.80	231.10	8,020.2	-7,965.2	-2,557.5	-4,221.5	-4,935.8			
77	9,871	24.60	231.60	8,107.1	-8,052.1	-2,583.0	-4,253.4	-4,976.3			
78	9,965	24.00	232.30	8,192.7	-8,137.7	-2,606.8	-4,283.9	-5,014.7			
79	10,004	23.90	231.90	8,228.4	-8,173.4	-2,616.6	-4,296.4	-5,030.4			
80	10,043	23.90	231.90	8,264.0	-8,209.0	-2,626.3	-4,308.8	-5,046.1			



BIT RECORD

COUNTY: TALARA

FIELD: LOBITOS OFFSHORE

COUNTRY: PERU

WELL: LO16-23

CONTRACTOR: PETREX

RIG No: 3

OPERATOR: PETRO-TECH PERUANA S.A.

SPUD: DECEMBER 2nd, 1997

PUM No 1 OIL WELL A 1100 PT

PUM No 2 OIL WELL A 1100 PT

LINER : 6 1/2" X 10" & 5 1/2" X 10"

LINER : 6 1/2" X 10" & 5 1/2" X 10"

FINISHED: JANUARY 6th, 1998

No	Size	Make	Type	Jet	Serial	Depth	Feet	Hrs	Ft/Hr	Cum.	WOB	RPM	Pump	S P M		M U D			DULL CO			FORMATION
			No	32Nd In		Out				Dril/Hrs	000/LBS	PRES		1	2	WT	VISC	W.L	T	B	G	
1RR	17"	HTC	GTX	3X16	L58CE	1435	872	26.5	32.9	26.5	35	110/130	1600	95	95	9.3	65	9	-	-	-	TALARA GP.
2N	17"	HTC	GTX	2X20/1X18	M73CT	1813	378	14	27	40.5	25	40/MM	2200	95	95	9.3	64	5.6	-	-	-	TALARA GP.
2RR	17"	HTC	GTX	2X20/1X22	M73CT	2547	734	8.5	86.4	49	25/30	40/MM	2200	80	80	9.3	63	5.9	1	2	I	TALARA GP.
3RR	12 1/4"	HTC	ATJCIS	2X20/1X18		2557	10	4	2.5	53	15	70	600	85	85	8.8	36	6.2	-	-	-	TALARA GP.
4RR	12 1/4"	HTC	AG526	5 X 18	400942	4988	2431	32.75	74.2	85.75	25	100	2600	70	70	10.4	48	5	-	-	-	CHACRA/PALEGREDA
4RR	12 1/4"	HTC	AG526	3X20 2X18	400942	6330	1342	17	78.94	102.75	20	130	2500	80	80	11.3	53	6	1	1	I	MOGOLLON
5RR	8 1/2"	HTC	GTM1	2X22 1X20	A84155	6508	178	17	10.5	122.75	25	60/MM	2500	85	85	10.8	50		1	1	1	MOGOLLON
6RR	8 1/2"	SMITH	M-88	3X14 3X15	JR3229	8373	1865	72 1/4	25.95	195	25	100	2900	95	95	11.8	47	18% DESGASTE			SN.CRIST. / BASAL S.	
7RR	8 1/2"	HTC	G447 X L	4 X 20	400820	8935	562	54 1/2	10.3	249.3	25	90	2300	100	100	11.8	51					BASAL SALINA
6RR	8 1/2"	SMITH	M - 88	6 X 16	JR3229	9105	170	22 1/2	7.5	271.6	25	80/100	2300	90	90	11.8	49		-	-	-	BASAL SALINA
8N	8 1/2"	HTC	GTM - 20	2X22 1X24	M67CA	9436	331	58 1/2	5.6	329,9	35	80	2000	80	80	11.8	53		3	2	I	BASAL SALINA
9N	8 1/2"	HTC	GTM - 20	2X22 1X24	M68CD	10043	607	94	6.5	423.9	35	80	2000	80	80	11.8	51	60				BASAL SALINA.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 1435'	Depth out: 1813'	(Form BHAS-F1)			BHA #1	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: GTX 1	HTC	M73CP		2 x 20 1 x 18	17"		1.37	1.37
2	PP MOTOR	ANADRILL	1092	16 3/4"		9 5/8"	7 5/8 R P	26.24	27.61
3	X/O	ANADRILL	9075			9 5/8"	7 5/8 R P	1.04	28.65
4	PONY NMDC	ANADRILL	455-2			7 11/16"	6 5/8 R P	8.70	37.35
5	UBHO	ANADRILL	12052-8			2 7/8"	6 5/8 R B		
6	NMDC	ANADRILL	K869			8 1/16"	6 5/8 R P	2.28	39.63
7	NMDC	ANADRILL	K870			2 7/8"	6 5/8 R B		
8	3 x 8" DC	PETREX				8 1/16"	6 5/8 R P	30.52	70.15
9	FLEX JOINT	ANADRILL	114987			3"	6 5/8 R B		
10	EQ JARS	ANADRILL	125168			8 1/16"	6 5/8 R P	30.47	100.62
11	X/O	PETREX				3"	6 5/8 R B		
12	3 x 6 1/2" DC	PETREX				7 15/16"	6 5/8 R P	90.32	190.94
13	X/O	PETREX				3"	6 5/8 R B		
14	21 HWDP	PETREX				5 7/8"	6 5/8 R P	9.23	200.17
15						3 1/2"	6 5/8 R B		
16						7 3/4"	6 5/8 R P	22.63	222.80
17						3"	6 5/8 R B		
18						8"	6 5/8 R P	2.53	225.33
19						2 7/8"	4 1/2 XHB		
						6 3/16"	4 1/2 XHP	89.33	314.66
						2 7/8"	4 1/2 XHB		
							4 1/2 XHP	1.43	316.09
						2 13/16"	4 1/2 IFB		
						5"	4 1/2 IF P	650.87	966.96
						3"	4 1/2 IFB		

Rig:	PETREX RIG #3	Footage:	378'	SPP on:	2300	PSI	Inc start:	1.1° PR
Pusher:	MIKE DARWENT	Drig hrs(*):	13.00	SPP off:	2150	PSI	Inc end:	9.0° PR
Date in:	5-Dec-97	Av. ROP:	29.1'/hr	WOB:	25	Klbs	Azi start:	265.0° PR
Date out:	7-Dec-97	Rotating ft:	302'	RPM:	50		Azi end:	233.0° PR
DD:	JOHN TAYLOR	Rotating hrs:	9.50	Volume:	800	GPM	BUR plan:	4.0°/100'
DD:		Steering ft:	76'	Bend °:	1.83°		BUR Calc:	2.1°/100'
Slim1:	LUIS TENORIO	Steering hrs:	3.50	Survey pt:	55'	FT	Co.Rep:	GUILLERMO RUESTA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	5/6	T-B-G:	1-2-IN		Co.Rep:	FESTUS HAGAN

BHA expected behavior: BUILD CURVE @ 4.0°/100' TO 41.09° INCLINATION @ 239.59° AZIMUTH.

BHA actual behavior: BUILT ANGLE @ 2.1°/100'. ESTIMATE .5°/100' BUILD WHILE ROTATING.

Comments: WELL HAD POSITIVE ANGLE AND DISPLACEMENT IN GENERAL DIRECTION OF INTENDED HOLE, SO COLLISION WITH L016-16 WAS A PROBLEM. INSTEAD OF KICKING OFF @ 1500', WE WAITED TILL 1618' TO ENHANCE

OUR ABILITY TO AVOID. MAGNETIC INTERFERENCE CAUSED BY PROXIMITY TO OTHER WELL WAS A PROBLEM. ALL

SURVEYS AFFECTED BY THIS. POH FOR MWD WHEN COULD NOT ORIENT HIGH SIDE TOOLFACES. STAYING THE SAME.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET		Depth in: 1813'	Depth out: 1840'	(Form BHAS-F1)				BHA #2	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: GTX 1	HTC	M73CP	RE-RUN	2 x 20 1 x 22	17"		1.37	1.37
2	PP MOTOR	ANADRILL	1092	16 3/4"		9 5/8'	7 5/8 R B	26.24	27.61
							7 5/8 R B		
3	X/O	ANADRILL	9075			9 5/8"	7 5/8 R P	1.04	28.65
							6 5/8 R B		
4	PONY NMDC	ANADRILL	455-2			7 11/16"	6 5/8 R P	8.70	37.35
						2 7/8"	6 5/8 R B		
5	UBHO	ANADRILL	12052-8			8 1/16"	6 5/8 R P	2.28	39.63
						2 7/8"	6 5/8 R B		
6	NMDC	ANADRILL	K869			8 1/16"	6 5/8 R P	30.52	70.15
						3"	6 5/8 R B		
7	NMDC	ANADRILL	K870			8 1/16"	6 5/8 R P	30.47	100.62
						3"	6 5/8 R B		
8	3 x 8" DC	PETREX				7 15/16"	6 5/8 R P	90.32	190.94
						3"	6 5/8 R B		
9	FLEX JOINT	ANADRILL	114987			5 7/8"	6 5/8 R P	9.23	200.17
						3 1/2"	6 5/8 R B		
10	EQ JARS	ANADRILL	125168			7 3/4"	6 5/8 R P	22.63	222.80
						3"	6 5/8 R B		
11	X/O	PETREX			1.12 6 1/2"	8"	6 5/8 R P	2.53	225.33
						2 7/8"	4 1/2 XHB		
12	3 x 6 1/2" DC	PETREX				6 3/16"	4 1/2 XHP	89.33	314.66
						2 7/8"	4 1/2 XHB		
13	X/O	PETREX					4 1/2 XHP	1.43	316.09
						2 13/16"	4 1/2 IFB		
14	21 HWDP	PETREX				5"	4 1/2 IFP	650.87	966.96
						3"	4 1/2 IFB		
15									
16									
17									
18									
19									

Rig:	PETREX RIG #3	Footage:	27'	SPP on:	2150	PSI	Inc start:	9.0° PR
Pusher:	MIKE DARWENT	Drig hrs(*):	1.00	SPP off:	2000	PSI	Inc end:	10.5° PR
Date in:	7-Dec-97	Av. ROP:	27'/hr	WOB:	25	Klbs	Azi start:	233.0° PR
Date out:	7-Dec-97	Rotating ft:	12'	RPM:	50		Azi end:	243.0° PR
DD:	JOHN TAYLOR	Rotating hrs:	0.50	Volume:	775	GPM	BUR plan:	4.5°/100'
DD:		Steering ft:	15'	Bend °:	1.83°		BUR Calc:	4.8°/100'
Slim1:	LUIS TENORIO	Steering hrs:	0.50	Survey pt:	55'	FT	Co.Rep:	GUILLERMO RUESTA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	5/6	T-B-G:	1-2-IN		Co.Rep:	FESTUS HAGAN

BHA expected behavior: BUILD CURVE @ 4.0°/100' TO 41.09° INCLINATION @ 239.59° AZIMUTH.

BHA actual behavior: BUILT ANGLE @ 4.8°/100' DURING BRIEF TIME IN HOLE.

Comments: TOOK SURVEY WHEN GOT ON BOTTOM WITH THIS ASSEMBLY AND RECIEVED MAGNETIC TOOLFACES.

MADE A SLIDE & TOOK ANOTHER SURVEY, THEN RECIEVED HIGH SIDE TOOLFACES. TRIED TO ORIENT, BUT TOOL-FACES STAYED IN SW QUADRANT. ROTATED WITH SAME RESULT. HIGH SIDE TOOLFACES WERE STAYING THE SAME

NO MATTER WHAT WE DID. SAME AS BHA #1. DETERMINED LATER THIS WAS A VIBRATION PROBLEM. TOOLS OK. POH F/ MWD.

Rig:	PETREX RIG #3	Footage:	707'	SPP on:	2400	PSI	Inc start:	10.5° PR
Pusher:	MIKE DARWENT	Drlg hrs(*):	25.00	SPP off:	2150	PSI	Inc end:	46.0° PR
Date in:	7-Dec-97	Av. ROP:	28.3'/hr	WOB:	35K	Klbs	Azi start:	243.0° PR
Date out:	10-Dec-97	Rotating ft:	385'	RPM:	50		Azi end:	237.0° PR
DD:	JOHN TAYLOR	Rotating hrs:	12.00	Volume:	775	GPM	BUR plan:	4.5°/100'
DD:		Steering ft:	322'	Bend °:	1.83°		BUR Calc:	5.0°/100'
Slim1:	LUIS TENORIO	Steering hrs:	13.00	Survey pt:	77'	FT	Co.Rep:	GUILLERMO RUESTA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:	2 - 3 - 12		Co.Rep:	FESTUS HAGAN

EMP #2 & MP #1. POH AT END OF CURVE TO RUN 13 3/8" CASING.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 2557'	Depth out: 4988'	(Form BHAS-F1)			BHA #4	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: AG 526	HTC	0400942		3 x 18 2 x 15	12 1/4"		1.18	1.18
2	NB STB	ANADRILL	771718	12 1/4"	2.30	8 1/2"	6 5/8 R P	5.55	6.73
3	PONY DC	ANADRILL	9850-5			2 7/8"	6 5/8 R B		
4	STB	ANADRILL	13420-3	12"	2.48	8 1/8"	6 5/8 R P	11.60	18.33
5	UBHO	ANADRILL	12052-8			2 7/8"	6 5/8 R B		
6	NMDC	ANADRILL	K869			8"	6 5/8 R P	5.91	24.24
7	STB	ANADRILL	13420-3	12"	2.48	2 7/8"	6 5/8 R B		
8	UBHO	ANADRILL	12052-8			8 1/16"	6 5/8 R P	2.28	26.52
9	NMDC	ANADRILL	K869			2 7/8"	6 5/8 R B		
10	STB	ANADRILL	9696-3	12 1/4"	2.30	8 1/16"	6 5/8 R P	30.52	57.04
11	NMDC	ANADRILL	K870			3"	6 5/8 R B		
12	3 x 8" DC	PETREX				8 1/2"	6 5/8 R P	5.14	62.18
13	FLEX JOINT	ANADRILL	114987			2 7/8"	6 5/8 R B		
14	EQ JARS	ANADRILL	125168			8 1/16"	6 5/8 R P	30.47	92.65
15	X/O	PETREX			1.12 6 1/2"	3"	6 5/8 R B		
16	3 x 6 1/2" DC	PETREX				7 15/16"	6 5/8 R P	90.32	182.97
17	X/O	PETREX				3"	6 5/8 R B		
18	21 HWDP	PETREX				5 7/8"	6 5/8 R P	9.23	192.20
19						3 1/2"	6 5/8 R B		
						7 3/4"	6 5/8 R P	22.63	214.83
						3"	6 5/8 R B		
						8"	6 5/8 R P	2.53	217.36
						2 7/8"	4 1/2 XHB		
						6 3/16"	4 1/2 XHP	89.33	306.69
						2 7/8"	4 1/2 XHB		
							4 1/2 XHP	1.43	308.12
						2 13/16"	4 1/2 IFB		
						5"	4 1/2 IFP	650.87	958.99
						3"	4 1/2 IFB		

Rig:	PETREX RIG #3	Footage:	2431'	SPP on:	2500	PSI	Inc start:	46.0° PR
Pusher:	ADOLFO RIMAC	Drig hrs(*):	33.50	SPP off:	N/A	PSI	Inc end:	36.9° PR
Date in:	12-Dec-97	Av. ROP:	72.6'/hr	WOB:	20/25K	Klbs	Azi start:	237.0° PR
Date out:	15-Dec-97	Rotating ft:	2431'	RPM:	100		Azi end:	239.1° PR
DD:	JOHN TAYLOR	Rotating hrs:	33.50	Volume:	700	GPM	BUR plan:	N/A
DD:		Steering ft:	N/A	Bend °:	N/A		BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:	N/A	Survey pt:	42'	FT	Co.Rep:	R. GILABERT/F. CORDOVA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:	80% GOOD		Co.Rep:	FESTUS HAGAN

BHA expected behavior: DROP ANGLE VERY SLOWLY WHILE ROTATING TO 9 5/8" CASING POINT.

BHA actual behavior: ASSEMBLY AVERAGED .36" DROP AND VIRTUALLY HELD AZIMUTH @ 239° DURING COURSE OF RUN. DROPPED 3° IN FIRST 1200' OF RUN & OVER 6° IN LAST 1200'. HELD ANGLE FROM 2900' TO 3700'.

Comments: INTENDED TO POH AT APPROX 5100', BUT ROTARY CLUTCH SLIPPING AND NEEDED REPAIR. PUMP PRES-SURE WAS RUNNING HIGHER THAN EXPECTED. FOUND 2 PLUGGED JETS WHEN OUT OF HOLE.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 4988'	Depth out: 5643'	(Form BHAS-F1)			BHA #5	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: AG 526	HTC	0400942		5 x 18	12 1/4"	6 5/8 R P	1.18	1.18
2	NB STB	ANADRILL	771718	12 1/4"	2.30	8 1/2"	6 5/8 R B	5.55	6.73
						2 7/8"	6 5/8 R B		
3	PONY DC	ANADRILL	9850-5			8 1/8"	6 5/8 R P	11.60	18.33
						2 7/8"	6 5/8 R B		
4	UBHO	ANADRILL	12052-8			8 1/16"	6 5/8 R P	2.28	20.61
						2 7/8"	6 5/8 R B		
5	NMDC	ANADRILL	K869			8 1/16"	6 5/8 R P	30.52	51.13
						3"	6 5/8 R B		
6	STB	ANADRILL	9696-3	12 1/4"	2.30	8 1/2"	6 5/8 R P	5.14	56.27
						2 7/8"	6 5/8 R B		
7	NMDC	ANADRILL	K870			8 1/16"	6 5/8 R P	30.47	86.74
						3"	6 5/8 R B		
8	STB	ANADRILL	TDO 103	12 1/4"	1.86	7 15/16"	6 5/8 R P	5.17	91.91
						2 7/8"	6 5/8 R B		
9	3 x 8" DC	PETREX				7 15/16"	6 5/8 R P	90.32	182.23
						3"	6 5/8 R B		
10	FLEX JOINT	ANADRILL	114987			5 7/8"	6 5/8 R P	9.23	191.46
						3 1/2"	6 5/8 R B		
11	EQ JARS	ANADRILL	125168			7 3/4"	6 5/8 R P	22.63	214.09
						3"	6 5/8 R B		
12	X/O	PETREX			1.12	8"	6 5/8 R P	2.53	216.62
					6 1/2"	2 7/8"	4 1/2 XHB		
13	3 x 6 1/2" DC	PETREX				6 3/16"	4 1/2 XHP	89.33	305.95
						2 7/8"	4 1/2 XHB		
14	X/O	PETREX					4 1/2 XHP	1.43	307.38
						2 13/16"	4 1/2 IFB		
15	21 HWDP	PETREX				5"	4 1/2 IFP	650.87	958.25
						3"	4 1/2 IFB		
16									
17									
18									
19									

Rig:	PETREX RIG #3	Footage:	655'	SPP on:	2500	PSI	Inc start:	36.9° PR
Pusher:	ADOLFO RIMAC	Drig hrs(*):	10.00	SPP off:	N/A	PSI	Inc end:	46.5° PR
Date in:	15-Dec-97	Av. ROP:	65.5'/hr	WOB:	25	Klbs	Azi start:	239.1° PR
Date out:	16 Dec 97	Rotating ft:	655'	RPM:	130		Azi end:	243.0 PR
DD:	JOHN TAYLOR	Rotating hrs:	10.00	Volume:	692	GPM	BUR plan:	N/A
DD:		Steering ft:	N/A	Bend °:	N/A		BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:	N/A	Survey pt:	36'	FT	Co.Rep:	R. GILABERT/F. CORDOVA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:	80% GOOD		Co.Rep:	FESTUS HAGAN

BHA expected behavior: BUILD ANGLE SLOWLY TILL REACH CASING POINT OR 46°.

BHA actual behavior: BUILT ANGLE @ 1.56°/100' AND WALKED TO RIGHT @ .53°/100'.

Comments: BUILT ANGLE WITH NO PROBLEMS. ASSEMBLY DISPLAYED SOME RH WALK THAT WILL PROBABLY DIS-
APPEAR WITH HOLD ASSEMBLY.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 5643'	Depth out: 6330'	(Form BHAS-F1)			BHA #6	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: AG 526	HTC	0400942		3 x 20 2 x 18	12 1/4"		1.18	1.18
2	NB STB	ANADRILL	771718	12 1/4"	2.30	8 1/2"	6 5/8 R P	5.55	6.73
3	PONY DC	ANADRILL	9850-5			2 7/8"	6 5/8 R B		
						8 1/8"	6 5/8 R P	11.60	18.33
						2 7/8"	6 5/8 R B		
4	STB	ANADRILL	13420-3	12"	2.48	8"	6 5/8 R P	5.91	24.24
						2 7/8"	6 5/8 R B		
5	UBHO	ANADRILL	12052-8			8 1/16"	6 5/8 R P	2.28	26.52
						2 7/8"	6 5/8 R B		
6	NMDC	ANADRILL	K869			8 1/16"	6 5/8 R P	30.52	57.04
						3"	6 5/8 R B		
7	STB	ANADRILL	9696-3	12 1/4"	2.30	8 1/2"	6 5/8 R P	5.14	62.18
						2 7/8"	6 5/8 R B		
8	NMDC	ANADRILL	K870			8 1/16"	6 5/8 R P	30.47	92.65
						3"	6 5/8 R B		
9	3 x 8" DC	PETREX				7 15/16"	6 5/8 R P	90.32	182.97
						3"	6 5/8 R B		
10	FLEX JOINT	ANADRILL	114987			5 7/8"	6 5/8 R P	9.23	192.20
						3 1/2"	6 5/8 R B		
11	EQ JARS	ANADRILL	125168			7 3/4"	6 5/8 R P	22.63	214.83
						3"	6 5/8 R B		
12	X/O	PETREX			1.12 6 1/2"	8"	6 5/8 R P	2.53	217.36
						2 7/8"	4 1/2 XIIB		
13	3 x 6 1/2" DC	PETREX				6 3/16"	4 1/2 XHP	89.33	306.69
						2 1/8"	4 1/2 XIIB		
14	X/O	PETREX					4 1/2 XHP	1.43	308.12
						2 13/16"	4 1/2 IFB		
15	21 HWD	PETREX				5"	4 1/2 IFP	650.87	958.99
						3"	4 1/2 IFB		
16									
17									
18									
19									

Rig:	PETREX RIG #3	Footage:	667'	SPP on:	2500	PSI	Inc start:	46.5° PR
Pusher:	ADOLFO RIMAC	Drig hrs(*):	14.00	SPP off:	N/A	PSI	Inc end:	45.6° PR
Date in:	16-Dec-97	Av. ROP:	47.6'/hr	WOB:	15/20	Klbs	Azi start:	243.0° PR
Date out:	28-Dec-97	Rotating ft:	667'	RPM:	130		Azi end:	245.0° PR
DD:	JOHN TAYLOR	Rotating hrs:	14.00	Volume:	692	GPM	BUR plan:	N/A
DD:		Steering ft:	N/A	Bend °:	N/A		BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:	N/A	Survey pt:	42'	FT	Co.Rep:	R. GILABERT/F. CORDOVA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:			Co.Rep:	FESTUS HAGAN

BHA expected behavior: DROP ANGLE SLOWLY WHILE ROTATING TO 9 5/8" CASING POINT. EXPECT TO SET OURSELVES UP TO HIT TARGET IN 8 1/2" HOLE SECTION.

BHA actual behavior: ANGLE DROPPED ONLY .13°/100' & TURNED TO RIGHT @ .3°/100' DURING COURSE OF RUN.

Comments: ANGLE NOT DROPPING AS EXPECTED. TRIED LOW WEIGHT & HIGH RPM WITH LITTLE SUCCESS. AZIMUTH CONTINUED TO WALK TO RIGHT. DID NOT SET OURSELVES FOR NEXT RUN. POH @ 9 5/8" CASING POINT.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 6330'	Depth out: 6508'	(Form BHAS-F1)			BHA #7	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: GTM 1	HTC	JO6CP		2 x22 1 x 20	8 1/2"		1.00	1.00
2	PP MOTOR	ANADRILL	01410	8 3/8"		6 3/4"	4 1/2 R B 4 1/2 I F B	21.38	22.38
3	STB	ANADRILL	771730	8 1/4"		6 3/4"	4 1/2 I F P 2 7/8"	5.07	27.45
4	FLOAT SUB	ANADRILL	14637-13			6 3/4"	4 1/2 I F P 2 7/8"	2.60	30.05
5	UBHO	ANADRILL	14128-5			6 3/4"	4 1/2 I F P 2 13/16"	2.37	32.42
6	NMDC	ANADRILL	8805			6 3/4"	4 1/2 I F P 2 13/16"	31.00	63.42
7	NMDC	ANADRILL	7280			6 3/4"	4 1/2 I F P 2 7/8"	30.70	94.12
8	X/O	ANADRILL	9852-10			6 1/2"	4 1/2 I F P 2 13/16"	1.81	95.93
9	3 x 6 1/2" DC	PETREX				6 3/16"	4 1/2 XH P 2 7/8"	89.33	185.26
10	X/O	PETREX					4 1/2 XH P 2 13/16"	1.43	186.69
11	6 HWDP	PETREX				5"	4 1/2 I F P 3"	185.90	372.59
12	FLEX JOINT	ANADRILL	970412			4 1/2"	4 1/2 I F P 2 3/4"	11.14	383.73
13	LQ JARS	ANADRILL	961457			6 1/2"	4 1/2 I F B 2 1/4"	23.41	407.14
14	15 HWDP	PETREX				5"	4 1/2 I F P 3"	464.97	872.11
15									
16									
17									
18									
19									

Rig:	PETREX RIG #3	Footage:	178'	SPP on:	2500	PSI	Inc start:	45.5° PR
Pusher:	ADOLFO RIMAC	Drig hrs(*):	12.00	SPP off:	2250	PSI	Inc end:	42.0° PR
Date in:	20-Dec-97	Av. ROP:	14.8'/hr	WOB:	30	Klbs	Azi start:	245.0° PR
Date out:	21-Dec-97	Rotating ft:	111'	RPM:	50		Azi end:	237.5° PR
DD:	JOHN TAYLOR	Rotating hrs:	7.00	Volume:	560	GPM	BUR plan:	N/A
DD:		Steering ft:	67'	Bend °:	1.50°		BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:	5.00	Survey pt:	48'	FT	Co.Rep:	OSWALDO PACHAS
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	4/5	T-B-G:	2-E-1/8"		Co.Rep:	FESTUS HAGAN

BHA expected behavior: TURN HOLE TO +/- 236.0° AND DROP ANGLE TO +/- 41.0°.

BHA actual behavior: AS EXPECTED.

Comments: DRILLED FLOAT COLLAR, CEMENT & SHOE WITH NO PROBLEMS. SOME DIFFICULTY EXPERIENCED WHILE ORIENTING FOR SLIDE. HAVING TO FIGHT ROTATIONAL RH WALK WHILE TURNING HOLE TO LEFT.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET			Depth in: 6508'	Depth out: 8373'	(Form BHAS-F1)			BHA #8	
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: M 88	SMITH	IR3229		3 x 14 3 x 15	8 1/2"		1.00	1.00
2	NB STB	ANADRILL	771722	8 1/2"	2.26	6 3/4" 2 7/8"	4 1/2 R P 4 1/2 IF B	5.45	6.45
3	FLOAT SUB	ANADRILL	14637-13			6 3/4" 2 7/8"	4 1/2 IF P 4 1/2 IF B	2.60	9.05
4	PONY DC	ANADRILL	3131			6 1/2" 2 7/8"	4 1/2 IF P 4 1/2 IF B	7.66	16.71
5	STB	ANADRILL	771727	8 1/2"	2.27	6 3/4" 2 7/8"	4 1/2 IF P 4 1/2 IF B	5.10	21.81
6	UBHO	ANADRILL	14128-5			6 3/4" 2 13/16"	4 1/2 IF P 4 1/2 IF B	2.37	24.18
7	NMDC	ANADRILL	8805			6 3/4" 2 13/16"	4 1/2 IF P 4 1/2 IF B	31.00	55.18
8	STB	ANADRILL	771725	8 1/2"	2.30	6 3/4" 2 7/8"	4 1/2 IF P 4 1/2 IF B	5.10	60.28
9	NMDC	ANADRILL	7280			6 3/4" 2 7/8"	4 1/2 IF P 4 1/2 IF B	30.70	90.98
10	X/O	ANADRILL	9852-10			6 1/2" 2 13/16"	4 1/2 IF P 4 1/2 XH B	1.81	92.79
11	3 x 6 1/2" DC	PETREX				6 3/16" 2 7/8"	4 1/2 XH P 4 1/2 XH B	89.33	182.12
12	X/O	PETREX				2 13/16"	4 1/2 XH P 4 1/2 IF B	1.43	183.55
13	6 HWDP	PETREX				5" 3"	4 1/2 IF P 4 1/2 IF B	185.90	369.45
14	FLEX JOINT	ANADRILL	970412			4 1/2" 2 3/4"	4 1/2 IF P 4 1/2 IF P	11.14	380.59
15	EQ JARS	ANADRILL	961457			6 1/2" 2 1/4"	4 1/2 IF B 4 1/2 IF B	23.41	404.00
16	15 HWDP	PETREX				5" 3"	4 1/2 IF P 4 1/2 IF B	464.97	868.97
17									
18									
19									

Rig:	PETREX RIG #3	Footage:		SPP on:	PSI	Inc start:	42.0° PR
Pusher:	A. RIMAC/M. DARWENT	Drlg hrs(*):		SPP off:	PSI	Inc end:	
Date in:	21-Dec-97	Av. ROP:		WOB:	Klbs	Azi start:	237.5° PR
Date out:	26-Dec-97	Rotating ft:		RPM:		Azi end:	
DD:	JOHN TAYLOR	Rotating hrs:		Volume:	GPM	BUR plan:	N/A
DD:		Steering ft:		Bend °:	N/A	BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:		Survey pt:	40' FT	Co.Rep:	OSWALDO PACHAS
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:		Co.Rep:	FESTUS HAGAN

BHA expected behavior: DROP ANGLE SLOWLY THROUGH CENTER OF TARGET.

BHA actual behavior: AS EXPECTED.

Comments: DRILLED MOGOLLON & SAN CRISTOBAL FORMATIONS WITH THIS ASSEMBLY. ROP ACCEPTABLE IN MOGOLLON, SLOW IN SAN CRISTOBAL.

PETRO-TECH PERUANA S.A.

LOBITOS 16-23

BHA & TRIP DATA SHEET		Depth in:	8373'	Depth out:	(Form BHAS-F1)				BHA #9
ITEM	Description	Vendor	Serial #	Stb O.D.	F. N.	OD / ID	Conn	Length	Cum
1	BIT TYPE: G447XL	HTC	400820		4 x 20	8 1/2"	4 1/2 R P	1.00	1.00
2	NB STB	ANADRILL	771722	8 1/2"	2.26	6 3/4"	4 1/2 R B	5.45	6.45
						2 7/8"	4 1/2 IF B		
3	FLOAT SUB	ANADRILL	14637-13			6 3/4"	4 1/2 IF P	2.60	9.05
						2 7/8"	4 1/2 IF B		
4	PONY NMDC	ANADRILL	2104-492			6 1/2 16"	4 1/2 IF P	8.82	17.87
						2 7/8"	4 1/2 IF B		
5	STB	ANADRILL	771730	8 1/4"	2.3	6 3/4"	4 1/2 IF P	5.07	22.94
						2 7/8"	4 1/2 IF B		
6	UBHO	ANADRILL	14128-5			6 3/4"	4 1/2 IF P	2.37	25.31
						2 13/16"	4 1/2 IF B		
7	NMDC	ANADRILL	8805			6 3/4"	4 1/2 IF P	31.00	56.31
						2 13/16"	4 1/2 IF B		
8	STB	ANADRILL	771725	8 1/2"	2.30	6 3/4"	4 1/2 IF P	5.10	61.41
						2 7/8"	4 1/2 IF B		
9	X/O	ANADRILL	9852-10			6 1/2"	4 1/2 IF P	1.81	63.22
						2 13/16"	4 1/2 XH B		
10	4 x 6 1/2" DC	PETREX				6 3/16"	4 1/2 XH P	118.23	181.45
						2 7/8"	4 1/2 XH B		
11	X/O	PETREX					4 1/2 XH P	1.43	182.88
						2 13/16"	4 1/2 IF B		
12	6 HWDP	PETREX				5"	4 1/2 IF P	185.90	368.78
						3"	4 1/2 IF B		
13	FLEX JOINT	ANADRILL	970412			4 1/2"	4 1/2 IF P	11.14	379.92
						2 3/4"	4 1/2 IF P		
14	EQ JARS	ANADRILL	961457			6 1/2"	4 1/2 IF B	23.41	403.33
						2 1/4"	4 1/2 IF B		
15	15 HWDP	PETREX				5"	4 1/2 IF P	464.97	868.30
						3"	4 1/2 IF B		
16									
17									
18									
19									

Rig:	PETREX RIG #3	Footage:		SPP on:	PSI	Inc start:	33.4" PR
Pusher:	MIKE DARWENT	Drig hrs(*):		SPP off:	PSI	Inc end:	
Date in:	26-Dec-97	Av. ROP:		WOB:	Klbs	Azi start:	236.6" PR
Date out:		Rotating ft:		RPM:		Azi end:	
DD:	JOHN TAYLOR	Rotating hrs:		Volume:	GPM	BUR plan:	N/A
DD:		Steering ft:		Bend °:	N/A	BUR Calc:	N/A
Slim1:	LUIS TENORIO	Steering hrs:		Survey pt:	N/A	Co.Rep:	R. GILABERT/F. CORDOVA
Slim1:	G. SOTO / R. BERMUDEZ	R/S Config:	N/A	T-B-G:		Co.Rep:	FESTUS HAGAN

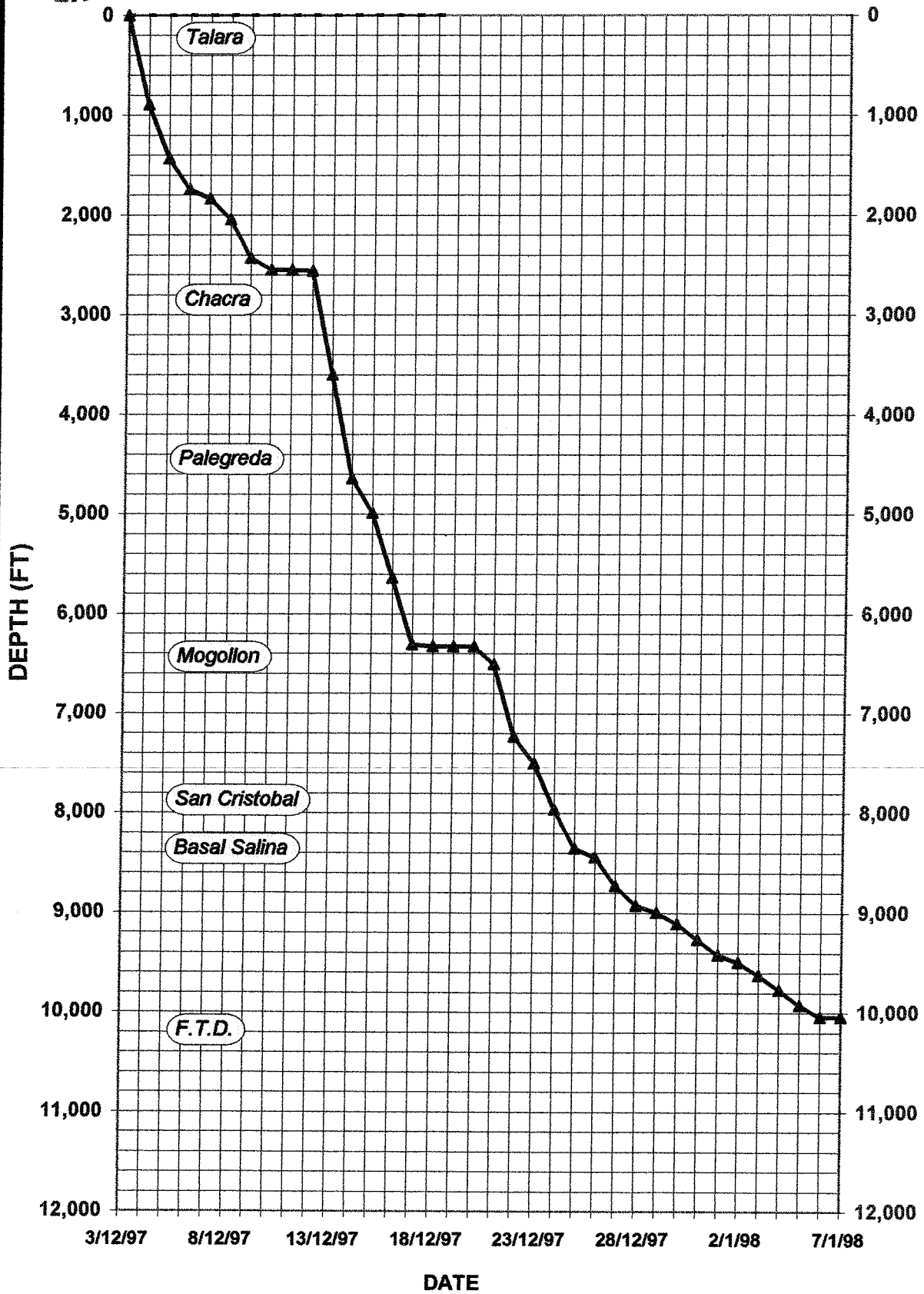
BHA expected behavior: HOLD OR BUILD ANGLE VERY SLOWLY TO T.D.

BHA actual behavior:

Comments: NO SLIM RUN W/ THIS ASSY.

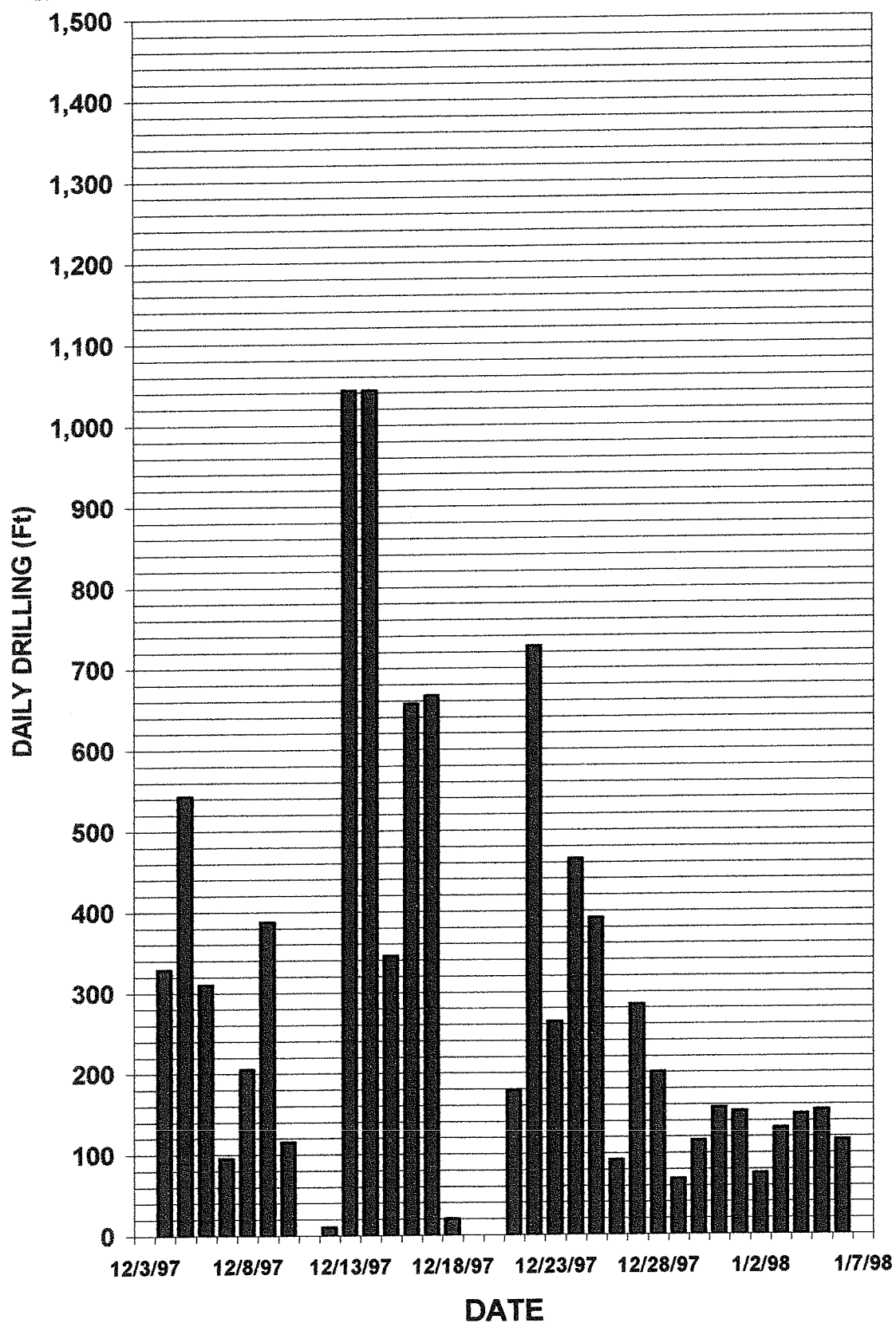


PERU - TALARA BASIN
BLOCK Z2B - PETROTECH PERUANA S.A.
WELL: LO16-23 DRILLING CHART





PERU - TALARA BASIN
BLOCK Z2B - PETROTECH PERUANA S.A.
WELL: LO16-23 DAILY DRILLING CHART



J.J. PETROLOG**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 1 DEPTH (ft): 892 ft DATE: 4/12/97
Time: 24:00 Operation: DRILLING
Report By: N.GONZALES /HALBERCA/R.GONZALES To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: 1 Type: GTX-1 Size: 17 Jets: 3X16
Footage: 329 Hours: 11 Avg Rop: 30 ft/hr
WOB: 25/35 RPM: 110 SPP: 1300 SPM: 40-40**HYDRAULICS PARAMETERS**MW in (ppg): - MW OUT(ppg): - ECD(ppg) - PV/YP: -
Gels: - Cl- - % Sol - Visc: -
Hole Vol(bbls) - Ann Vol(bbls) - DP Vol (bbls) - Disp Vol -
Lag (stks) - Lag(min) - Q (gpm) - TFA -
Ann Vel(ft/min) - AnnVel(ft/min) - AnnVel(ft/min) - CriVel(t/min) -
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss - JetVel(ft/sec) - IF(pounds) - HHPB(hp) -
Press(psi)**PRESSURE PARAMETERS**DC - DXC - Shale Density - T out(°F) -
BCK Gas(u) - Max For. Gas - TripGas(u) -
ShortTrip(u) - OtherGas(u) - Cnx Gas(u) -
Tight Hole NONE Caving% 10 Aver.Size(in) 17 Sol.%: -**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance - ppg FractPress(ppg) - PorePres(ppg) - LOT(ppg) -**COMMENTS:**FORMATION: TALARA GROUP
LITHOLOGY AT 850' 80 % CLYST, 10 % SLTST, 10 % SD
CASING SHOE @ 563'
J.J. PETROLOG MUD LOGGING UNIT: RIG UP

J.J. PETROLOG**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 2 DEPTH (ft): 1435 ft
Time: 24:00 Operation: RIH w/Motor
Report By: N.GONZALES /HALBERCA/R.GONZALESDATE: 5/12/97To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: 1RR Type: GTX-1 Size: 17 Jets: 3X16
Footage: 543 Hours: 26.5 Avg Rop: 30 ft/hr
WOB: 25/30 RPM: 110/130 SPP: 1600 SPM: 90-90**HYDRAULICS PARAMETERS**MW in (ppg): 9.3 MW OUT(ppg): 9.3 ECD(ppg): - PV/YP: 17/21
Gels: 16/21 Cl-: 9000 % Sol: 5 Visc: 65
Hole Vol(bbls) - Ann Vol(bbls) - DP Vol (bbls) - Disp Vol -
Lag (stks) - Lag(min) - Q (gpm) - TFA -
Ann Vel(ft/min) - AnnVel(ft/min) - AnnVel(ft/min) - CriVel(t/min) -
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss - JetVel(ft/sec) - IF(pounds) - HHPB(hp) -
Press(psi)**PRESSURE PARAMETERS**DC - DXC - Shale Density - T out(°F) -
BCK Gas(u) - Max For. Gas - TripGas(u) -
ShortTrip(u) - OtherGas(u) - Cnx Gas(u) -
Tight Hole NONE Caving% 10 Aver.Size(in) 17 Sol.%: -**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance - ppg FractPress(pp - PorePres(ppg) - LOT(ppg) -**COMMENTS:**FORMATION: TALARA GROUP
LITHOLOGY AT 1435' 20 % CLYST, 20 % SS, 60 % SD

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 3 DEPTH (ft): 1745 ft DATE: 6/12/97
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: #2 Type: GTX-1 Size: 17 Jets: 2X20/1X18
Footage: 310 Hours: Avg Rop: 30 ft/hr
WOB: 25 RPM: 60 SPP: 2200 SPM: 98X2**HYDRAULICS PARAMETERS**MW in (ppg): 9.3 MW OUT(ppg) 9.3 ECD(ppg) PV/YP: 15 / 20
Gels: 16 / 46 / 54 Cl- 10,000 % Sol 5 Visc: 62
Hole Vol(bbls) Ann Vol(bbls) DP Vol (bbls) Disp Vol
Lag (stks) Lag(min) Q (gpm) TFA
Ann Vel(ft/min) Ann Vel(ft/min) Ann Vel(ft/min) Cri Vel(t/min)
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss Jet Vel(ft/sec) IF(pounds) HHPB(hp)
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) Max For. Gas Trip Gas(u)
Short Trip(u) Other Gas(u) Cnx Gas(u)
Tight Hole NONE Caving% 10 Aver. Size(in) 17 Sol.%: **ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg Fract Press(pp Pore Pres(ppg) LOT(ppg) **COMMENTS:**

FORMATION: TALARA GROUP

LITHOLOGY AT 1840' 90 % CLYST, 10% DOLOMITE

DUE TO ELECTRICAL PROBLEM IN THE POWER PLANT. SOME EQUIPMENT (CPU & MONITORS) WERE AFFECTED
THE MUDLOGGING UNIT WORKING ONLY PARTIALLY. THE HOOKLOAD SENSOR NOT INSTALLED

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 4 DEPTH (ft): 1840 ft DATE: 7/12/97
Time: 24:00 Operation: Make up BHA
Report By: N.GONZALES /HALBERCA/R.GONZALES To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: #2 Type: GTX-1 Size: 17 Jets: 2X20/1X18
Footage: 95 Hours: _____ Avg Rop: _____ ft/hr
WOB: 25 RPM: 50 SPP: 2200 SPM: 98X2**HYDRAULICS PARAMETERS**MW in (ppg): _____ MW OUT(ppg) _____ ECD(ppg) _____ PV/YP: _____
Gels: _____ Cl- _____ % Sol _____ Visc: _____
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ AnnVel(ft/min) _____ AnnVel(ft/min) _____ CriVel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH) (DC/OH)
Total Loss _____ JetVel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas _____ TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 17 Sol.%: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:

FORMATION: TALARA GROUP

LITHOLOGY AT 1840' 80 % CLYST, 10 % SLTST, 10%DOLOMITE

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 5 DEPTH (ft): 2045 ft DATE: 8/12/97
Time: 24:00 Operation: Repairing engine
Report By: N.GONZALES /H.ALBERCA/R.GONZALES of generator #2 To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: 17" Type: GTX-1 Size: 17 Jets: 2X20/1X18
Footage: 205' Hours: _____ Avg Rop: 25/30 ft/hr
WOB: 25 RPM: 50 SPP: 1800 SPM: 80/80**HYDRAULICS PARAMETERS**MW in (ppg): 9.3 MW OUT(ppg) 9.3 ECD(ppg) _____ PV/YP: 20/24
Gels: 13/40/56 Cl- 9.500 % Sol 5 Visc: 70
Hole Vol(bbls) 551 Ann Vol(bbls) 529 DP Vol (bbls) 22 Disp Vol _____
Lag (stks) 5436 Lag(min) 34 Q (gpm) 654 TFA 0.862
Ann Vel(ft/min) 56 Ann Vel(ft/min) 60 Ann Vel(ft/min) 61 Cri Vel(t/min) 333
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1828 Jet Vel(ft/sec) 242 IF(pounds) 767 HHPB(hp) 188
Press(psi) Binghan**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 56 Max For. Gas 206 @ 1984' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 17 Sol.%: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:

FORMATION: TALARA GROUP

LITHOLOGY AT 2020' 70 % CLYST, 10 % SLTST, 10%DOLOMITE, 10%SS

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 6 DEPTH (ft): 2432 ft DATE: 9/12/97
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: 2RR Type: GTX-1 Size: 17 Jets: 2X20 1X22
Footage: 387 Hours: _____ Avg Rop: 30 / 40 ft/hr
WOB: 30 / 40 RPM: 50 / MOTOR SPP: 2300 SPM: 98X2**HYDRAULICS PARAMETERS**MW in (ppg): 9.4 MW OUT(ppg): 9.4 ECD(ppg) _____ PV/YP: 20 / 27
Gels: 18 / 51 / 60 Cl-: 11,000 % Sol: 5 Visc: 72
Hole Vol(bbls) 663 Ann Vol(bbls) 635 DP Vol (bbls) 28 Disp Vol _____
Lag (stks) 6516 Lag(min) 33 Q (gpm) 810 TFA 0.9847
Ann Vel(ft/min) 69 AnnVel(ft/min) 74 AnnVel(ft/min) 88 CriVel(t/min) 350
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2681 JetVel(ft/sec) 263 IF(pounds) 1041 HHPB(hp) 277
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 51 Max For. Gas 428 @ 2132 TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 17 Sol.%: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:

DRILLING & SLIDING FROM 2045' TO 2432'

FORMATION: TALARA GROUPLITHOLOGY: @ 2380' 70 % CLYST, 10 % SS, 10% SLTST, 10% DOL

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 7 DEPTH (ft): 2547 ft DATE: 10/12/97
Time: 24:00 Operation: CONDITIONING HOLE
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
G. RUESTA**DRILLING PARAMETERS**Bit: 2RR Type: GTX-1 Size: 17 Jets: 2X20/1X18
Footage: 115 Hours: _____ Avg Rop: _____ ft/hr
WOB: 25 RPM: 60 SPP: 2200 SPM: 76 - 74**HYDRAULICS PARAMETERS**MW in (ppg): _____ MW OUT(ppg) _____ ECD(ppg) _____ PV/YP: _____
Gels: _____ Cl- _____ % Sol _____ Visc: _____
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ Ann Vel(ft/min) _____ Ann Vel(ft/min) _____ Cri Vel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss _____ Jet Vel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas _____ Trip Gas(u) _____
Short Trip(u) _____ Other Gas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver. Size(in) 17 Sol.%: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg Fract Press(pp _____ Pore Pres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: TALARA GROUP
LITHOLOGY: @ 2530': 90 % CLYST, 10 % DOL
NEXT OPERATION: RUN AND CEMENT 13 3/8" CASING

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 8 DEPTH (ft): 2547 ft
Time: 24:00 Operation: Nipple up BOP's
Report By: N.GONZALES /HALBERCA/R.GONZALESDATE: 11/12/97To: J. HAGAN
R. GILABERT**DRILLING PARAMETERS**Bit: _____ Type: _____ Size: _____ Jets: _____
Footage: _____ Hours: _____ Avg Rop: _____ ft/hr
WOB: _____ RPM: _____ SPP: _____ SPM: _____**HYDRAULICS PARAMETERS**MW in (ppg): _____ MW OUT(ppg) _____ ECD(ppg) _____ PV/YP: _____
Gels: _____ Cl- _____ % Sol _____ Visc: _____
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ AnnVel(ft/min) _____ AnnVel(ft/min) _____ CriVel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss _____ JetVel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas _____ TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% _____ Aver.Size(in) _____ Sol.%: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:RAN 13 3/8" CASING, SHOE @ 2547'
WOC, NIPPLE UP BOP's

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 9 DEPTH (ft): 2557
Time: 24:00 Operation: P.O.O.H
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 12/12/97To: J. HAGAN
R.GILABERT/F.CORDO**DRILLING PARAMETERS**Bit: 3R Type: ATJC15 Size: 12.25" Jets: 2x18)(2x20
Footage: 10 Hours: Avg Rop: ft/hr
WOB: 15 RPM: 70 SPP: 600 SPM: 70-70**HYDRAULICS PARAMETERS**MW in (ppg): 8.8 MW OUT(ppg): 8.8 ECD(ppg) 8.82 PV/YP: 10 / 1
Gels: 0 Cl- 38,000 % Sol 0.25 Visc: 36
Hole Vol(bbls) 362 Ann Vol(bbls) 333 DP Vol (bbls) 29 Disp Vol
Lag (stks) 3416 Lag(min) 24 Q (gpm) 572 TFA 1.1105
Ann Vel(ft/min) 100 Ann Vel(ft/min) 108 Ann Vel(ft/min) 163 Cri Vel(t/min) 86
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1136 Jet Vel(ft/sec) 165 IF(pounds) 431 HHPB(hp) 72
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) 60 Max For. Gas 184 @2550' Trip Gas(u) NONE
Short Trip(u) Other Gas(u) Cnx Gas(u)
Tight Hole NONE Caving% 10 Aver. Size(in) 12 1/4 Sol. %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg Fract Press(pp Pore Pres(ppg) LOT(ppg) **COMMENTS:**CEMENT TOP AT 2480'
DRILLING FROM 2547' TO 2557'
LITHOLOGY @ 2557' 90%CLYST, 10%DOL.

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 10 DEPTH (ft): 3600 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 13/12/1997To: J. HAGAN
R. GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X15
Footage: 1043 Hours: 13.25 Avg Rop: 180 ft/hr
WOB: 25 RPM: 100 SPP: 2000 SPM: 170**HYDRAULICS PARAMETERS**MW in (ppg): 9.7 MW OUT(ppg): 9.7 ECD(ppg): 9.9 PV/YP: 19 / 14
Gels: 1 Cl-: 46,000 % Sol: 7 Visc: 45
Hole Vol(bbls) 507 Ann Vol(bbls) 463 DP Vol (bbls) 44 Disp Vol -
Lag (stks) 4773 Lag(min) 28 Q (gpm) 695 TFA 1.09
Ann Vel(ft/min) 122 Ann Vel(ft/min) 131 Ann Vel(ft/min) 198 Cri Vel(t/min) 269
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2267 Jet Vel(ft/sec) 204 IF(pounds) 714 HHPB(hp) 147
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 56 Max For. Gas 248 @ 3511 Trip Gas(u) _____
Short Trip(u) _____ Other Gas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver. Size(in) 12 1/4 Sol. %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg Fract Press(pp _____ Pore Pres(ppg) _____ LOT(ppg) _____

COMMENTS:CHACRA FORMATION TOP AT 2740' MD, 2531' SS. 265' S, 449' W, 521' HD
LITHOLOGY: @ 3550' 80% CLYST, 10% SLTST, 10 DOL

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 11 DEPTH (ft): 4643 ft DATE: 4/12/1997
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
R. GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X15
Footage: 1043 Hours: _____ Avg Rop: 100 ft/hr
WOB: 25 RPM: 105 SPP: 2200 SPM: 170**HYDRAULICS PARAMETERS**MW in (ppg): 10.3 MW OUT(ppg) 10.2 ECD(ppg) 10.57 PV/YP: 22 / 2
Gels: 3 Cl- 54,000 % Sol 11 Visc: 50
Hole Vol(bbls) 655.4 Ann Vol(bbls) 597 DP Vol (bbls) 58 Disp Vol _____
Lag (stks) 6126 Lag(min) 36 Q (gpm) 695 TFA 1.09
Ann Vel(ft/min) 122 Ann Vel(ft/min) 131 Ann Vel(ft/min) 198 Cri Vel(t/min) 309
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2769 Jet Vel(ft/sec) 204 IF(pounds) 758 HHPB(hp) 156
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 51 Max For. Gas 120 @ 4287' 130 @ 4395 TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 12 1/4 Sol.%: 85**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:PALEGREDA FORMATION TOP AT 4330' MD, 3690' SS. 827' S, 1381' W, 1610 HD
LITHOLOGY: @ 4600' 100% CLYST.

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 12 DEPTH (ft): 4988 ft DATE: 15/12/1997
Time: 24:00 Operation: RIH
Report By: N.GONZALES /HALBERCA/R.GONZALES To: J. HAGANR. GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X15
Footage: 345 Hours: _____ Avg Rop: 70 ft/hr
WOB: 25 RPM: 100 SPP: 2200 SPM: 160**HYDRAULICS PARAMETERS**MW in (ppg): 10.4 MW OUT(ppg): 10.4 ECD(ppg): 10.67 PV/YP: 21 / 20
Gels: 5 Cl-: 54,000 % Sol: 11 Visc: 48
Hole Vol(bbls) 703 Ann Vol(bbls) 639 DP Vol (bbls) 56 Disp Vol _____
Lag (stks) 6564 Lag(min) 41 Q (gpm) 695 TFA 1.0905
Ann Vel(ft/min) 122 AnnVel(ft/min) 131 AnnVel(ft/min) 198 CriVel(t/min) 306
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2864 JetVel(ft/sec) 204 IF(pounds) 766 HHPB(hp) 158
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 60 Max For. Gas 970 units @ 4658' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 12 1/4 Sol.%: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: PALEGREDA
LITHOLOGY: @ 4960', 100 % CLYST

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 13 DEPTH (ft): 5644 ft
Time: 24:00 Operation: RIH
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 16/12/1997To: J. HAGAN
R. GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X15
Footage: 656 Hours: Avg Rop: 76 ft/hr
WOB: 25 RPM: 110 SPP: 2200 SPM: 170**HYDRAULICS PARAMETERS**MW in (ppg): 10.4 MW OUT(ppg): 10.4 ECD(ppg): PV/YP: 22 / 20
Gels: 5 Cl-: 50.000 % Sol: 11 Visc: 46
Hole Vol(bbls) 792.8 Ann Vol(bbls) 720.1 DP Vol (bbls) 65 Disp Vol
Lag (stks) 7395 Lag(min) 41 Q (gpm) 695 TFA 1.0905
Ann Vel(ft/min) 123 Ann Vel(ft/min) 131 Ann Vel(ft/min) 198 Cri Vel(t/min) 308
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 3078 Jet Vel(ft/sec) 204 IF(pounds) 766 HHPB(hp) 158
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) 57 Max For. Gas 443 @ 5204 Trip Gas(u)
Short Trip(u) Other Gas(u) Cnx Gas(u)
Tight Hole NONE Caving% 10 Aver. Size(in) 12 1/4 Sol. %: 90**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg Fract Press(pp. Pore Pres(ppg) LOT(ppg) **COMMENTS:**FORMATION: PALEGREDA
LITHOLOGY: @ 5620': 90 % CLYST. 10 % SHALE

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 14 DEPTH (ft): 6310 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 17/12/1997To: J. HAGAN
R. GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X20
Footage: 666 Hours: _____ Avg Rop: 60 ft/hr
WOB: 15 RPM: 130 SPP: 2500 SPM: 160**HYDRAULICS PARAMETERS**MW in (ppg): 10.9 MW OUT(ppg): 10.7 ECD(ppg): 11.18 PV/YP: 21 / 21
Gels: 5 Cl-: 52.000 % Sol: 16 Visc: 50
Hole Vol(bbls) 887.6 Ann Vol(bbls) 805.4 DP Vol (bbls) 82.2 Disp Vol _____
Lag (stks) 8270 Lag(min) 52 Q (gpm) 654 TFA 1.3589
Ann Vel(ft/min) 115 AnnVel(ft/min) 123 AnnVel(ft/min) 186 CriVel(t/min) 305
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2912 JetVel(ft/sec) 154 IF(pounds) 578 HHPB(hp) 89
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 54 Max For. Gas 129 @ 5777' 234 @ 5870' TripGas(u) _____
ShortTrip(u) 125 OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 12 1/4 Sol. %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: PALEGREDA
LITHOLOGY: @ 6280' : 60 % CLYST, 20 % SS, 10 % SHALE, 10 % SLTST

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 15 DEPTH (ft): 6330 ft DATE: 18/12/1997
Time: 24:00 Operation: RUNING 9 5/8" CASING
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
R.PINTO / O.PACHAS**DRILLING PARAMETERS**Bit: 4RR Type: AG526 Size: 12.25 Jets: 3X18 2X20
Footage: 20 Hours: _____ Avg Rop: 40 ft/hr
WOB: 15 RPM: 130 SPP: 2500 SPM: 160**HYDRAULICS PARAMETERS**MW in (ppg): 10.9 MW OUT(ppg) 10.7 ECD(ppg) 11.18 PV/YP: 21 / 21
Gels: 5 Cl- 52,000 % Sol 16 Visc: 50
Hole Vol(bbls) 887.6 Ann Vol(bbls) 805.4 DP Vol (bbls) 82.2 Disp Vol _____
Lag (stks) 8270 Lag(min) 52 Q (gpm) 654 TFA 1.3589
Ann Vel(ft/min) 115 Ann Vel(ft/min) 123 Ann Vel(ft/min) 186 Cri Vel(t/min) 305
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2912 Jet Vel(ft/sec) 154 IF(pounds) 578 HHPB(hp) 89
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 270 Max For. Gas 450 @ 6221' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 12 1/4 Sol. %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION MOGOLLON TOP: AT 6270' M.D., 5130' S.S., 2523' W, 1433' S, HD: 2902'
LITHOLOGY: @ 6330' : 50 % CLYST, 30 % SS, 10 % SD, 10 % SLTST

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 16 DEPTH (ft): 6330 ft
Time: 24:00 Operation: Nipple up BOP's
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 19/12/1997To: J. HAGAN
R.CARRASCO/O.PACHAS**DRILLING PARAMETERS**Bit: _____ Type: _____ Size: _____ Jets: _____
Footage: _____ Hours: _____ Avg Rop: _____ ft/hr
WOB: _____ RPM: _____ SPP: _____ SPM: _____**HYDRAULICS PARAMETERS**MW in (ppg): _____ MW OUT(ppg) _____ ECD(ppg) _____ PV/YP: _____
Gels: _____ Cl- _____ % Sol _____ Visc: _____
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ Ann Vel(ft/min) _____ Ann Vel(ft/min) _____ Cri Vel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss _____ JetVel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas _____ TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% _____ Aver.Size(in) _____ Sol. %: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:

RAN 9 5/8" CSG, SHOE @ 6322'

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 17 DEPTH (ft): 6330 ft
Time: 24:00 Operation: Drilling Cement
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 20/12/1997To: J. HAGAN
O.PACHAS**DRILLING PARAMETERS**Bit: 5 Type: GTM-1 Size: 8.5" Jets: (2X22)(1X20)
Footage: 10 Hours: 110 Avg Rop: 2500 ft/hr
WOB: 10 RPM: 110 SPP: 95 X 2 SPM:**HYDRAULICS PARAMETERS**MW in (ppg): MW OUT(ppg) ECD(ppg) PV/YP: 21/17
Gels: 3/11/14 Cl- 51,000 % Sol 4.6 Visc: 45
Hole Vol(bbls) Ann Vol(bbls) DP Vol (bbls) Disp Vol
Lag (stks) Lag(min) Q (gpm) TFA
Ann Vel(ft/min) AnnVel(ft/min) AnnVel(ft/min) CriVel(t/min)
(DP/CSG) (DP/OH) (DC/OH) (DC/OH) (DC/OH)
Total Loss JetVel(ft/sec) IF(pounds) HHPB(hp)
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) Max For. Gas TripGas(u)
ShortTrip(u) OtherGas(u) Cnx Gas(u)
Tight Hole NONE Caving% Aver.Size(in) 8.5" Sol.%: **ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg FractPress(pp PorePres(ppg) LOT(ppg) **COMMENTS:**FORMATION: MOGOLLON
CEMENT TOP AT 6248'

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 18 DEPTH (ft): 6508 ft
Time: 24:00 Operation: RIH
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 21/12/1997To: J. HAGAN
O.PACHAS**DRILLING PARAMETERS**Bit: 5 Type: GTM-1 Size: 8.5" Jets: 2X22 1X20
Footage: 178 Hours: Avg Rop: 21 ft/hr
WOB: 10 RPM: 110 SPP: 2500 SPM: 85 x 2**HYDRAULICS PARAMETERS**MW in (ppg): 10.8 MW OUT(ppg): 10.8 ECD(ppg): 11.48 PV/YP: 22 / 24
Gels: 5 Cl-: 45,000 % Sol: 14 Visc: 50
Hole Vol(bbls) 435.7 Ann Vol(bbls): 348.8 DP Vol (bbls) 80 Disp Vol
Lag (stks) 4983 Lag(min) 31 Q (gpm) 470 TFA 1.0491
Ann Vel(ft/min) 204 AnnVel(ft/min) 221 AnnVel(ft/min) 384 CriVel(t/min) 367
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1752 JetVel(ft/sec) 143 IF(pounds) 378 HHPB(hp) 55
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) 61 Max For. Gas 135 @ 6447' TripGas(u) 2000 @ 6330'
ShortTrip(u) OtherGas(u) Cnx Gas(u)
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility.%: 90**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg FractPress(pp PorePres(ppg) LOT(ppg) **COMMENTS:**FORMATION: MOGOLLON
LITHOLOGY: @ 6500': 80 % CLYST, 10 % SLTST, 10 % DOL

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 19 DEPTH (ft): 7235 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 22/12/1997To: J. HAGAN
O.PACHAS**DRILLING PARAMETERS**Bit: 6RR Type: M88 Size: 8.5" Jets: 3X15 3X14
Footage: 727 Hours: Avg Rop: 60 ft/hr
WOB: 20 RPM: 100 SPP: 2400 SPM: 95 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 10.8 MW OUT: 10.7 ECD(ppg) 11.53 PV/YP: 20 / 26
Gels: 7 Cl- 44,000 % Sol 15 Visc: 47
Hole Vol(bbls) 446 Ann Vol(b 348.8 DP Vol (bbls) 97.2 Disp Vol
Lag (stks) 4983 Lag(min) 26 Q (gpm) 559 TFA 1.2692
Ann Vel(ft/min) 243 AnnVel(ft/ 263 AnnVel(ft/min) 457 CriVel(t/min) 372
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2363 JetVel(ft/s) 141 IF(pounds) 442 HHPB(hp) 63
Press(psi)**PRESSURE PARAMETERS**DC DXC Shale Density T out(°F)
BCK Gas(u) 60 MaxForGa 251 units @ 7088' TripGas(u)
ShortTrip(u) OtherGas(u) Cnx Gas(u)
Tight Hole NONE Caving% 20 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**Kick Tolerance ppg FractPress(PorePres(ppg) LOT(ppg) **COMMENTS:**FORMATION: MOGOLLON
LITHOLOGY: @ 7200': 50 % CLYST, 20 % SILTST, 10 % SS, 10 % SH, 10 % DOL

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 20 DEPTH (ft): 7498 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALESDATE: 23/12/1997To: J. HAGAN
O.PACHAS**DRILLING PARAMETERS**Bit: 6RR Type: M88 Size: 8 1/2 Jets: 3X15 3X14
Footage: 263 Hours: _____ Avg Rop: 25 ft/hr
WOB: 20 RPM: 100 SPP: 2400 SPM: 95 x 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.1 MW OUT(ppg): 11.1 ECD(ppg): 11.81 PV/YP: 20 / 25
Gels: 14 / 22 Cl-: 44,000 % Sol: 11.3 Visc: 48
Hole Vol(bbls) 451 Ann Vol(bbls) 348.8 DP Vol (bbls) 101.2 Disp Vol _____
Lag (stks) 4983 Lag(min) 26 Q (gpm) 555 TFA 0.97
Ann Vel(ft/min) 241 AnnVel(ft/min) 261 AnnVel(ft/min) 453 CriVel(t/min) 360
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2548 JetVel(ft/sec) 183 IF(pounds) 587 HHPB(hp) 1.09
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 58 Max For.Gas(240 @ 7458') TripGas(u) _____
ShortTrip(u) 750 @ 7456' OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 20 Aver.Size(in) 8 1/2 Solubility %: 75**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____) PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: MOGOLLON
LITHOLOGY: AT 7490' 70 % CLYST, 20 % SS, 10 % SLTST

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 21 DEPTH (ft): 7962 ft DATE: 24/12/1997
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES To: J. HAGAN
O.PACHAS**DRILLING PARAMETERS**Bit: 6RR Type: M88 Size: 8 1/2 Jets: 3X15 3X14
Footage: 464 Hours: _____ Avg Rop: 25 ft/hr
WOB: 25 RPM: 100 SPP: 3000 SPM: 95 x 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg) 12.64 PV/YP: 30 / 28
Gels: 14 / 25 / 33 Cl- 44.000 % Sol 15.5 Visc: 57
Hole Vol(bbls) 448 Ann Vol(bbls) 348 DP Vol (bbls) 100 Disp Vol _____
Lag (stks) 4983 Lag(min) 26 Q (gpm) 567 TFA 0.9686
Ann Vel(ft/min) 247 Ann Vel(ft/min) 267 Ann Vel(ft/min) 463 CriVel(t/min) 397
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 3178 JetVel(ft/sec) 187 IF(pounds) 651 HHPB(hp) 123
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 120 Max For. Gas 2387 @ 7683' TripGas(u) _____
ShortTrip(u) 2480 @ 7930' OtherGas(u) _____ Cnx Gas(u) 750 @ 7678
Tight Hole NONE Caving% 20 Aver.Size(in) 8 1/2 Solubility %: 85**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: SAN CRISTOBAL, TOP AT 6750' M.D., 5478' S.S., 1601' S, 2805' W, 3230' H.D.
LITHOLOGY: AT 7960' 70 % CLYST, 20 % SH, 10 % SLTST

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 22 DEPTH (ft): 8353 ft DATE: 25/12/1997
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /HALBERCA/R.GONZALES To: J. HAGANR. GILABERT**DRILLING PARAMETERS**Bit: 6RR Type: M88 Size: 8 1/2 Jets: 3X15 3X14
Footage: 391 Hours: _____ Avg Rop: 17 ft/hr
WOB: 30 RPM: 110 SPP: 2900 SPM: 95 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.58 PV/YP: 21 / 28
Gels: 13 / 25 / 33 Cl- 47,000 % Sol 15.2 Visc: 48
Hole Vol(bbls) 453 Ann Vol(bbls) 348 DP Vol (bbls) 105 Disp Vol _____
Lag (stks) 4983 Lag(min) 26 Q (gpm) 559 TFA 0.9686
Ann Vel(ft/min) 243 AnnVel(ft/min) 263 AnnVel(ft/min) 290 CriVel(t/min) 367
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 3003 JetVel(ft/sec) 184 IF(pounds) 633 HHPB(hp) 118
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 120 Max For. Gas 450 @ 8284' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 20 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA. TOP AT 8200' M.D., 6619' S.S., 2078.56' S, 3561.5' W, 4123' H.D.
LITHOLOGY: AT 8340' 70 % SD, 20 % SS, 10 % CLYST

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 23 DEPTH (ft): 8445 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /HALBERCA/R.GONZALES/J.JERIDATE: 26/12/1997To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 7RR Type: G447XL Size: 8 1/2 Jets: 4 X 20
Footage: 92 Hours: _____ Avg Rop: 10 ft/hr
WOB: 35 RPM: 100 SPP: 2500 SPM: 2 X 97**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg): 12.6 PV/YP: 24 / 28
Gels: 15 / 22 / 30 Cl-: 47,000 % Sol: 13.1 Visc: 47
Hole Vol(bbls) 559 Ann Vol(bbls) 445 DP Vol (bbls) 114 Disp Vol _____
Lag (stks) 6363 Lag(min) 33 Q (gpm) 570 TFA 1.227
Ann Vel(ft/min) 248 AnnVel(ft/min) 269 AnnVel(ft/min) 466 CriVel(t/min) 377
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2950 JetVel(ft/sec) 148 IF(pounds) 519 HHPB(hp) 78
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 96 Max For. Gas 168 @ 8409' 284 @ 8382' TripGas(u) 4200 @ 8373'
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 85**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA:
LITHOLOGY: AT 8430' 60 % SH, 20 % SLTST, 10 % CLYST, 10% SS
TRIP FOR BIT @ 8373'

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 24 DEPTH (ft): 8729 ft
Time: 24:00 Operation: RIH
Report By: N.GONZALES /HALBERCA/R.GONZALES/J.JERIDATE: 27/12/1997To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 7RR Type: G447XL Size: 8 1/2 Jets: 4 X 20
Footage: 284 Hours: _____ Avg Rop: 15 ft/hr
WOB: 20 - 25 RPM: 100 - 80 SPP: 2600 SPM: 100 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.66 PV/YP: 26 / 30
Gels: 10 / 22 / 30 Cl- 47,000 % Sol 13.1 Visc: 53
Hole Vol(bbls) 578 Ann Vol(bbls) 460 DP Vol (bbls) 118 Disp Vol _____
Lag (stks) 6576 Lag(min) 33 Q (gpm) 586 TFA 1.227
Ann Vel(ft/min) 255 Ann Vel(ft/min) 276 Ann Vel(ft/min) 479 Cri Vel(t/min) 394
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 3240 Jet Vel(ft/sec) 153 IF(pounds) 549 HHPB(hp) 85
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 90 Max For. Gas 314 @ 8656' 248 @ 8594' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 8720' 70 % SH, 20 % SS, 10 % SLTST

**DAILY REPORT**Co.: PETROTECH PERUANA
Well: LO16-23Report No. 25 DEPTH (ft): 8929 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 28/12/1997To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 7RR Type: G447XL Size: 8 1/2 Jets: 4 X 20
Footage: 200 Hours: _____ Avg Rop: 10 ft/hr
WOB: 25 RPM: 100 SPP: 2600 SPM: 2 X 100**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg) 12.74 PV/YP: 26 / 33
Gels: 18 / 27 / 33 Cl- 47,000 % Sol 13.1 Visc: 55
Hole Vol(bbls) 582.9 Ann Vol(bbls) 469.9 DP Vol (bbls) 113 Disp Vol _____
Lag (stks) 6713 Lag(min) 34 Q (gpm) 588 TFA 1.227
Ann Vel(ft/min) 256 AnnVel(ft/min) 277 AnnVel(ft/min) 480 CriVel(t/min) 409
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 3346 JetVel(ft/sec) 153 IF(pounds) 553 HHPB(hp) 86
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 69 Max For. Gas 450 @ 8897 TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 75**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 8910' 70 % SH, 10 % SS, 20 % SD

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 26 DEPTH (ft): 8997 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /HALBERCA/R.GONZALES/J.JERIDATE: 29/12/1997To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 6RR Type: M88 Size: 8 1/2 Jets: 6 X 16
Footage: 68 Hours: _____ Avg Rop: 8 ft/hr
WOB: 25 RPM: 110 SPP: 2000 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.71 PV/YP: 22 / 29
Gels: 15 / 24 / 33 Cl- 47,000 % Sol 13.1 Visc: 51
Hole Vol(bbls) 588 Ann Vol(bbls) 436.2 DP Vol (bbls) 151.8 Disp Vol _____
Lag (stks) 6231 Lag(min) 39 Q (gpm) 476 TFA 1.4724
Ann Vel(ft/min) 226 AnnVel(ft/min) 247 AnnVel(ft/min) 389 CriVel(t/min) 375
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1765 JetVel(ft/sec) 103 IF(pounds) 302 HHPB(hp) 32
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 70 Max For. Gas 239 @ 8977' TripGas(u) 4141 & 7300 @ 8935'
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 75**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 8995' 70 % SD, 20 % SH, 10 % SS

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 27 DEPTH (ft): 9112 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 30/12/1997
To: J. HAGAN
R.GILABERT /F. CORDOV**DRILLING PARAMETERS**Bit: 8N Type: GTM20 Size: 8 1/2 Jets: 2 X 22 1 X 24
Footage: 115 Hours: _____ Avg Rop: 8 ft/hr
WOB: 25 RPM: 80 SPP: 1700 SPM: 90 x 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.79 PV/YP: 24 / 31
Gels: 14 / 25 / 33 Cl- 44,000 % Sol 13.4 Visc: 49
Hole Vol(bbls) 595.6 Ann Vol(bbls) 441.7 DP Vol (bbls) 153.9 Disp Vol _____
Lag (stks) 6309 Lag(min) 35 Q (gpm) 526 TFA 1.1841
Ann Vel(ft/min) 250 AnnVel(ft/min) 273 AnnVel(ft/min) 430 CriVel(t/min) 392
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2184 JetVel(ft/sec) 142 IF(pounds) 458 HHPB(hp) 66
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 80 Max For. Gas 172 @ 9108' TripGas(u) 2370 @ 9105'
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINALITHOLOGY: @ 9110' : 80 % SH, 10% SS, 10 % SLTST

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 28 DEPTH (ft): 9268 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 31/12/1997
To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: 8N Type: GTM20 Size: 8 1/2 Jets: 2 X 22 1 X 24
Footage: 156 Hours: _____ Avg Rop: 8 ft/hr
WOB: 35 RPM: 80 SPP: 1900 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.66 PV/YP: 21 / 27
Gels: 12 / 21 / 30 Cl- 47,000 % Sol 13.1 Visc: 52
Hole Vol(bbls) 605.1 Ann Vol(bbls) 448.5 DP Vol (bbls) 156.6 Disp Vol _____
Lag (stks) 6408 Lag(min) 36 Q (gpm) 526 TFA 1.1841
Ann Vel(ft/min) 250 AnnVel(ft/min) 273 AnnVel(ft/min) 430 CriVel(t/min) 361
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2109 JetVel(ft/sec) 142 IF(pounds) 458 HHPB(hp) 66
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 90 Max For. Gas 143 @ 9228' TripGas(u) _____
ShortTrip(u) 450 @ 9260' OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: @ 9260' : 80 % SH, 10 % SLTST, 10%SS

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 29 DEPTH (ft): 9420 ft DATE: 1/1/98
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERI To: J. HAGAN
G.RUESTA/O.PACHAS**DRILLING PARAMETERS**Bit: 8N Type: GTM20 Size: 8 1/2 Jets: 2 X 22 1 X 24
Footage: 152 Hours: _____ Avg Rop: 6 - 8 ft/hr
WOB: 25 RPM: 110 SPP: 2000 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg) 12.64 PV/YP: 24 / 26
Gels: 10 / 23 / 31 Cl- 44,000 % Sol 13.3 Visc: 52
Hole Vol(bbls) 615.1 Ann Vol(bbls) 455.7 DP Vol (bbls) 159.4 Disp Vol _____
Lag (stks) 6509 Lag(min) 41 Q (gpm) 470 TFA 1.1841
Ann Vel(ft/min) 223 AnnVel(ft/min) 244 AnnVel(ft/min) 384 CriVel(t/min) 366
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1843 JetVel(ft/sec) 127 IF(pounds) 366 HHPB(hp) 47
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 70 Max For. Gas 144 @ 9408' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) 136 @ 9387'
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 9415' 80 % SD, 10 % SS, 10% SH
FLUORESCENCE: 50 - 75 %.

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 30 DEPTH (ft): 9495 ft DATE: 2/1/98
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERI To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**Bit: 9N Type: GTM20 Size: 8 1/2 Jets: 2x 22 1x 24
Footage: 75 Hours: _____ Avg Rop: 7 ft/hr
WOB: 30 RPM: 80 SPP: 2000 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg) 11.8 ECD(ppg) 12.78 PV/YP: 29 / 30
Gels: 10 / 24 / 33 Cl- 42,000 % Sol 13.4 Visc: 53
Hole Vol(bbls) 544 Ann Vol(bbls) 384 DP Vol (bbls) 160 Disp Vol _____
Lag (stks) 6543 Lag(min) 41 Q (gpm) 470 TFA 1.18
Ann Vel(ft/min) 223 AnnVel(ft/min) 244 AnnVel(ft/min) 384 CriVel(t/min) 570
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2008 JetVel(ft/sec) 127 IF(pounds) 366 HHPB(hp) 47
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 70 Max For. Gas 450 @ 9448' TripGas(u) 450 @ 9436'
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 9490' 80 % SH, 20% SS

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 31 DEPTH (ft): 9626 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 3/1/98To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**

Bit:	<u>9N</u>	Type:	<u>GTM20</u>	Size:	<u>8 1/2</u>	Jets:	<u>2x 22 1x 24</u>
Footage:	<u>131</u>	Hours:		Avg Rop:	<u>7</u>	ft/hr	
WOB:	<u>35</u>	RPM:	<u>80</u>	SPP:	<u>2000</u>	SPM:	<u>80 X 2</u>

HYDRAULICS PARAMETERS

MW in (ppg):	<u>11.8</u>	MW OUT(ppg)	<u>11.8</u>	ECD(ppg)	<u>12.78</u>	PV/YP:	<u>29 / 30</u>
Gels:	<u>10 / 24 / 33</u>	Cl-	<u>42,000</u>	% Sol	<u>13.4</u>	Visc:	<u>55</u>
Hole Vol(bbls)	<u>627</u>	Ann Vol(bbls)	<u>464.9</u>	DP Vol (bbls)	<u>162.1</u>	Disp Vol	<u>-</u>
Lag (stks)	<u>6642</u>	Lag(min)	<u>42</u>	Q (gpm)	<u>470</u>	TFA	<u>1.1841</u>
Ann Vel(ft/min) (DP/CSG)	<u>223</u>	AnnVel(ft/min) (DP/OH)	<u>244</u>	AnnVel(ft/min) (DC/OH)	<u>384</u>	CriVel(t/min) (DC/OH)	<u>490</u>
Total Loss Press(psi)Bingham	<u>2029</u>	JetVel(ft/sec)	<u>127</u>	IF(pounds)	<u>366</u>	HHPB(hp)	<u>47</u>

PRESSURE PARAMETERS

DC		DXC		Shale Density		T out(°F)	
BCK Gas(u)	<u>70</u>	Max For. Gas	<u>118 @ 9530'</u>	TripGas(u)			
ShortTrip(u)		OtherGas(u)		Cnx Gas(u)	<u>1143 @ 9602'</u>		
Tight Hole	<u>NONE</u>	Caving%	<u>10</u>	Aver.Size(in)	<u>8 1/2</u>	Solubility %:	<u>80</u>

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance _____ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 9615' 80 % SH, 10% SLTST, 10%SS

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 32 DEPTH (ft): 9774 ft
Time: 24:00 Operation: Short Trip
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 4/1/98To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**Bit: 9N Type: GTM20 Size: 8 1/2 Jets: 2x 22 1x 24
Footage: 148 Hours: _____ Avg Rop: 7 ft/hr
WOB: 35 - 40 RPM: 80 SPP: 2050 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg): 12.75 PV/YP: 24 / 30
Gels: 13 / 22 / 33 Cl-: 47,000 % Sol: 13.1 Visc: 55
Hole Vol(bbls) 636.5 Ann Vol(bbls) 471.7 DP Vol (bbls) 164.8 Disp Vol _____
Lag (stks) 6738 Lag(min) 42 Q (gpm) 470 TFA 1.18
Ann Vel(ft/min) 223 AnnVel(ft/min) 244 AnnVel(ft/min) 384 CriVel(t/min) 387
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 1982 JetVel(ft/sec) 127 IF(pounds) 366 HHPB(hp) 47
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 80 Max For. Gas 114 @ 9753' TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) 381 @ 9762' / 265 @ 9731'
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 9770' 70 % SH, 20%SLTST, 10% SS
SHORT TRIP @ 9774'

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 33 DEPTH (ft): 9927 ft
Time: 24:00 Operation: Drilling
Report By: N.GONZALES /HALBERCA/R.GONZALES/J.JERIDATE: 5/1/98To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**Bit: 9N Type: GTM20 Size: 8 1/2 Jets: 2x 22 1x 24
Footage: 153 Hours: _____ Avg Rop: 7 - 8 ft/hr
WOB: 35 - 40 RPM: 80 SPP: 2050 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg) 12.88 PV/YP: 28 / 34
Gels: 12 / 20 / 32 Cl- 47,000 % Sol 13.2 Visc: 57
Hole Vol(bbls) 646.2 Ann Vol(bbls) 478.7 DP Vol (bbls) 167.5 Disp Vol _____
Lag (stks) 6839 Lag(min) 43 Q (gpm) 470 TFA 1.18
Ann Vel(ft/min) 223 AnnVel(ft/min) 244 AnnVel(ft/min) 384 CriVel(t/min) 507
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2116 JetVel(ft/sec) 127 IF(pounds) 366 HHPB(hp) 47
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 78 - 80 Max For. Gas 203 @ 9857' TripGas(u) _____
ShortTrip(u) 2778 @ 9774' OtherGas(u) _____ Cnx Gas(u) 147 @ 9918'
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 9915' 90 % SH, 10%SLTST.

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 34 DEPTH (ft): 10043 ft
Time: 24:00 Operation: P.O.O.H.
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 6/1/98To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**Bit: 9N Type: GTM20 Size: 8 1/2 Jets: 2x 22 1x 24
Footage: 116 Hours: _____ Avg Rop: 7 - 8 ft/hr
WOB: 35 - 40 RPM: 80 SPP: 2050 SPM: 80 X 2**HYDRAULICS PARAMETERS**MW in (ppg): 11.8 MW OUT(ppg): 11.8 ECD(ppg): 12.88 PV/YP: 37 / 32
Gels: 14 / 27 / 34 Cl-: 47,000 % Sol: 13.1 Visc: 60
Hole Vol(bbls) 654.3 Ann Vol(bbls) 484.8 DP Vol (bbls) 169.5 Disp Vol _____
Lag (stks) 6915 Lag(min) 43 Q (gpm) 470 TFA 1.1841
Ann Vel(ft/min) 223 AnnVel(ft/min) 244 AnnVel(ft/min) 384 CriVel(t/min) 540.4
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss 2228 JetVel(ft/sec) 127 IF(pounds) 366 HHPB(hp) 47
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) 78 Max For. Gas 253 @ 10020' TripGas(u) _____
ShortTrip(u) 5500 @ 10012' OtherGas(u) _____ Cnx Gas(u) 306 @ 10013'
Tight Hole NONE Caving% 10 Aver.Size(in) 8 1/2 Solubility %: 80**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
LITHOLOGY: AT 10043' 70 % SH, 20%SLTST, 10%SS
DRILLING STOPPED AT THE FTD OF 10043' MD; 8143' SS AT 8:00pm.

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 35 DEPTH (ft): 10043 ft
Time: 24:00 Operation: Logging
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 7/1/98To: J. HAGAN
G.RUESTA / O.PACHAS**DRILLING PARAMETERS**Bit: _____ Type: _____ Size: _____ Jets: _____
Footage: _____ Hours: _____ Avg Rop: _____ ft/hr
WOB: _____ RPM: _____ SPP: _____ SPM: _____**HYDRAULICS PARAMETERS**MW in (ppg): 11.9 MW OUT(ppg): 11.9 ECD(ppg) _____ PV/YP: 31 / 38
Gels: 14 / 27 / 34 Cl- 47.000 % Sol 13.1 Visc: 60
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ AnnVel(ft/min) _____ AnnVel(ft/min) _____ CriVel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss _____ JetVel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas(u) _____ TripGas(u) _____
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole _____ Caving% _____ Aver.Size(in) _____ Solubility %: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
Halliburton running Logs.

**DAILY REPORT**Co. : PETROTECH PERUANA
Well: LO16-23Report No. 36 DEPTH (ft): 10043 ft
Time: 24:00 Operation: Running Sonic Log
Report By: N.GONZALES /H.ALBERCA/R.GONZALES/J.JERIDATE: 8/1/98To: J. HAGAN
R.GILABERT/F.CORDOVA**DRILLING PARAMETERS**Bit: _____ Type: _____ Size: _____ Jets: _____
Footage: _____ Hours: _____ Avg Rop: _____ ft/hr
WOB: _____ RPM: _____ SPP: _____ SPM: _____**HYDRAULICS PARAMETERS**MW in (ppg): 11.9 MW OUT(ppg) 11.9 ECD(ppg) _____ PV/YP: 34 / 32
Gels: 14 / 27 / 35 Cl- 47,000 % Sol 13.5 Visc: 62
Hole Vol(bbls) _____ Ann Vol(bbls) _____ DP Vol (bbls) _____ Disp Vol _____
Lag (stks) _____ Lag(min) _____ Q (gpm) _____ TFA _____
Ann Vel(ft/min) _____ AnnVel(ft/min) _____ AnnVel(ft/min) _____ CriVel(t/min) _____
(DP/CSG) (DP/OH) (DC/OH) (DC/OH)
Total Loss _____ JetVel(ft/sec) _____ IF(pounds) _____ HHPB(hp) _____
Press(psi)Bingham**PRESSURE PARAMETERS**DC _____ DXC _____ Shale Density _____ T out(°F) _____
BCK Gas(u) _____ Max For. Gas(u) _____ TripGas(u) 4200 @ 10043'
ShortTrip(u) _____ OtherGas(u) _____ Cnx Gas(u) _____
Tight Hole _____ Caving% _____ Aver.Size(in) _____ Solubility %: _____**ESTIMATED PORE AND FRACTURE PRESSURE**

Kick Tolerance _____ ppg FractPress(pp _____ PorePres(ppg) _____ LOT(ppg) _____

COMMENTS:FORMATION: BASAL SALINA
Trip to condition
Anadrill ran Multishot
Halliburton continue logging



GEOLOGICAL REPORT



WELL : LO16-23

FINAL GEOLOGICAL REPORT

DRILLED STRATIGRAPHIC COLUMN

TALARA GROUP

From 580' MD, (-525'SS) sea bottom

Base at 2740' MD, (-2531'SS)

**Thickness : 2160' measured
2006' vertical**

CHACRA FORMATION

Top at 2740' MD, (-2531'SS)

Coordinates S : 265'

W : 449'

HD : 521'

Base at 4330' MD, (-3690'SS)

**Thickness : 1590' measured
1159' vertical**

PALEGREDA FORMATION

Top at 4330' MD, (-3690'SS)

Coordinates S : 827'

W : 1381'

HD : 1610'

Base at 6270' MD, (-5130'SS)

**Thickness : 1940' measured
1440' vertical**

MOGOLLON FORMATION

Top at 6270' MD, (-5130'SS)

Coordinates S : 1433'

W : 2523'

HD : 2902'

Base at 7700' MD, (-6214'SS)

Thickness : 1430' measured

1084' vertical

SAN CRISTOBAL FORMATION

Top at 7700' MD, (-6214'SS)

Coordinates S : 1918'

W : 3317'

HD : 3832'

Base at 8200' MD, (-6619'SS)

Thickness : 500' measured

405' vertical

BASAL SALINA FORMATION

Top at 8200' MD, (-6619'SS)

Coordinates S : 2078'

W : 3561'

HD : 4123'

F.T.D. at 10043' MD, (-8209'SS)

Thickness : 1843' measured

1524' vertical

F.T.D.

At 10043' MD, (-8209'SS)

Coordinates S : 2626'

W : 4309'

HD : 5046'



WELL LO16-23

LITHOLOGY

TALARA GROUP:

(From 563' to 2740')

Composed predominantly of claystones with thin interbedded fine sandstones, siltstones and occasionally tan dolomites.

In the interval from 1150' to 1570' there are coarse to pebbly sandstones and conglomerates. No fluorescence.

The lower section consists of claystones with thin interbedded siltstones and very fine sandstones, and very thin beds of calcareous dolomite.

CHACRA FORMATION

(From 2740' to 4330')

This formation is composed of typical gray, light-gray and minor brownish-gray claystones with thin beds of very fine sandstones, siltstones and light brown-tan dolomites. No hydrocarbon shows.

PALEGREDA FORMATION

(From 4330' to 6270')

This formation is predominantly formed by sequences of claystones and shaly claystones with very thin interbedded siltstones and dolomites. In the lower section of this formation there are thin beds of very fine sandstones. NOSCOF.

MOGOLLON FORMATION

(From 6270' to 7700')

This formation, the secondary target, was encountered at 6270' MD, 5130' SS with fair to good quality sands and hydrocarbon fluorescence.

The Upper section from 6270' to 6420' is formed by beds of sands and sandstones with fair oil shows: 15-30% yellow to pale yellow fluorescence, with moderate cut.

The Middle Section from 6420' to 7290' consists of mostly shale and shaly-claystones interbedded with very fine grained sandstones, siltstones and dolomites.

The Lower Section from ⁷²⁹⁰⁻⁷⁷⁰⁰5550' to 5890' is formed by fine to medium clean sands and very fine to fine sandstones with fair intergranular visible porosity, and fair to good fluorescence (30-50%). F - G O S.

The gas reading was increasing in this interval.

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At the depth of 7683' Gas Cut Mud from 11.4 to 11.2, mud weight, was increased to 11.8 #.

SAN CRISTOBAL FORMATION

(7700' to 8200')

Consisted by sequences of gray and slightly dark-gray shales interbedded by thin siltstones and very fine grained sandstones. No Fluorescence and poor gas readings.

BASAL SALINA FORMATION

(8200' to FTD: 10,043')

This formation, the main target, was reached at 8200' MD, 6619' SS with good sands and fluorescence.

Basal Salina Fm. shows three sections as follows:

The first section from 8200' to 8540' consists mostly of very fine grained to medium clean sandstones. The fluorescence (30-50%) is yell to pale yell, with moderate cut, F-G O S.

Mud sample taken at 8335' shows fast streaming cut and mlky wh fluor on cut. The gas readings in this interval increased.

At 8700' -8760 there is a fine to medium sand body with 5% yell golden fluor, with poor cut P O S, gas readings increased.

The second section from 8880' to 9020' is formed by coarse and very coarse to pebbly clean sands, with lt yell to wh'sh yell fluorescence (30-50%)

F-G O S

The 9020' to 9350' interval consists mostly of gy and dk gy shales interbedded with thin very fine grained sandstones and siltstones. The gas readings were poor. NOSCOF.

The lower section, from 9350' to 9460' is formed by medium to coarse and very coarse to pebbly clean sands.

These are composed mainly by quartz, quartzite, and minor dark and greenish siliceous grains.

Hydrocarbon fluorescence ranges from 50% to 75% with fast streaming cut and milky yellow bri fluor on residual ring. G O S.

JJ/ng.

PETROTECH PERUANA S.A.

WELL:

LO16-23

LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
1,850.21	78.00	2,289.89	116.30	2,730.25	67.90
1,859.66	92.20	2,299.79	283.80	2,739.40	65.30
1,869.50	111.70	2,309.64	271.80	2,749.25	67.60
1,880.65	102.80	2,319.52	130.90	2,759.81	64.80
1,889.84	105.10	2,329.53	212.70	2,770.24	58.10
1,899.68	111.10	2,339.82	112.90	2,779.43	61.50
1,910.25	74.30	2,349.66	131.00	2,789.27	65.00
1,919.90	128.70	2,359.55	115.40	2,799.11	60.70
1,929.74	111.30	2,369.55	156.80	2,810.27	64.80
1,939.58	134.50	2,379.56	185.80	2,819.46	64.80
1,949.80	126.40	2,389.93	159.00	2,829.30	58.60
1,959.64	107.60	2,399.78	253.50	2,839.86	63.80
1,969.48	108.60	2,409.62	209.20	2,850.27	56.90
1,980.30	123.40	2,419.59	203.30	2,859.45	56.90
1,989.58	206.90	2,430.02	198.00	2,870.26	62.30
1,999.42	178.10	2,439.21	208.70	2,879.45	72.60
2,010.32	162.10	2,449.71	359.50	2,889.95	77.20
2,019.89	145.40	2,459.61	205.40	2,899.13	88.90
2,030.33	144.60	2,470.05	255.10	2,910.29	79.60
2,039.42	145.60	2,479.24	294.60	2,919.48	78.10
2,049.67	126.60	2,489.77	241.00	2,929.32	82.60
2,059.51	67.80	2,499.64	368.50	2,939.16	81.80
2,069.36	126.70	2,510.11	307.60	2,950.32	81.30
2,079.36	69.60	2,519.29	233.40	2,959.50	63.00
2,089.57	182.40	2,529.79	341.60	2,969.34	76.50
2,099.79	134.30	2,539.67	286.80	2,979.19	74.30
2,109.63	189.50	2,550.07	294.80	2,989.03	58.40
2,119.47	309.50	2,559.26	64.70	2,999.53	61.80
2,129.40	337.90	2,569.79	63.60	3,009.37	65.10
2,139.81	428.70	2,579.69	66.70	3,019.98	66.20
2,149.69	281.00	2,589.20	62.00	3,029.06	63.50
2,159.53	141.30	2,599.70	63.20	3,039.55	62.60
2,169.42	131.00	2,610.19	142.10	3,049.40	58.20
2,179.87	207.50	2,619.72	177.00	3,059.24	58.90
2,189.44	173.40	2,629.72	150.00	3,069.08	56.30
2,199.44	57.30	2,640.13	62.60	3,079.02	56.80
2,209.45	88.40	2,649.74	69.70	3,089.42	60.10
2,219.90	204.10	2,659.74	74.70	3,099.27	60.60
2,229.52	141.50	2,669.75	69.70	3,109.11	57.60
2,239.47	214.30	2,679.76	114.50	3,119.05	61.70
2,249.86	128.90	2,690.22	58.40	3,129.48	61.30
2,259.70	134.60	2,699.41	59.80	3,139.32	60.50
2,269.55	196.90	2,709.25	60.40	3,149.51	61.80
2,279.49	92.00	2,719.78	65.20	3,159.35	59.60

PETROTECH PERUANA S.A.

WELL:

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LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
3,169.19	60.10	3,608.88	67.90	4,048.73	73.50
3,179.08	60.80	3,619.38	70.50	4,059.23	76.70
3,189.53	62.10	3,629.38	71.80	4,069.07	100.10
3,199.38	59.40	3,639.72	67.10	4,078.92	74.10
3,209.22	62.80	3,648.91	67.30	4,088.76	72.40
3,219.11	63.90	3,659.41	95.10	4,098.69	68.00
3,229.56	65.90	3,669.41	150.70	4,109.10	74.00
3,239.40	59.80	3,679.75	383.20	4,118.94	66.40
3,249.25	63.80	3,688.94	357.90	4,128.79	69.40
3,259.14	61.80	3,699.44	224.70	4,139.00	73.60
3,269.59	59.60	3,709.43	104.50	4,148.85	72.30
3,279.15	72.30	3,719.44	90.60	4,158.73	67.80
3,289.58	75.90	3,729.45	153.10	4,169.19	79.30
3,299.43	84.10	3,739.93	83.10	4,179.03	80.70
3,309.30	82.50	3,749.77	79.30	4,188.87	73.00
3,319.18	64.80	3,758.99	254.30	4,198.75	77.10
3,329.64	63.00	3,768.83	450.00	4,209.21	94.20
3,339.49	64.10	3,779.48	63.80	4,219.06	101.40
3,349.36	59.70	3,789.83	63.60	4,228.90	104.20
3,359.20	63.00	3,799.02	67.50	4,239.11	97.20
3,369.21	67.10	3,808.86	64.90	4,248.96	82.90
3,379.57	68.10	3,819.50	66.00	4,258.80	97.90
3,389.22	65.10	3,828.89	67.60	4,269.30	103.40
3,399.29	65.90	3,839.52	64.30	4,279.14	55.20
3,409.24	56.00	3,849.89	67.30	4,288.98	120.50
3,419.24	67.20	3,859.07	67.10	4,298.86	54.80
3,429.48	67.10	3,868.91	63.40	4,308.83	81.80
3,439.32	68.50	3,878.76	82.70	4,319.20	88.30
3,449.26	62.30	3,888.94	78.10	4,329.04	120.50
3,459.66	65.00	3,898.79	71.70	4,338.88	121.40
3,468.87	82.10	3,909.94	80.50	4,348.85	95.40
3,479.37	83.90	3,919.13	85.60	4,359.22	111.90
3,489.29	67.10	3,928.97	81.40	4,369.07	116.20
3,499.49	140.60	3,938.81	82.30	4,378.91	97.90
3,509.33	205.90	3,949.97	87.00	4,388.88	112.50
3,519.31	248.60	3,959.15	88.60	4,398.88	130.80
3,529.68	140.00	3,969.00	67.30	4,408.89	113.90
3,538.86	75.20	3,978.84	69.40	4,419.28	109.20
3,549.36	77.10	3,989.02	68.10	4,429.12	119.20
3,558.99	82.50	3,998.86	68.70	4,438.96	108.90
3,568.83	82.50	4,008.71	72.80	4,448.92	121.70
3,579.35	68.10	4,019.21	72.70	4,459.30	133.50
3,589.35	94.10	4,029.05	69.10	4,469.15	84.50
3,599.70	89.20	4,038.89	69.60	4,478.99	93.40

PETROTECH PERUANA S.A.

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LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
4,488.94	97.60	4,928.62	118.70	5,368.94	155.40
4,499.36	101.90	4,939.24	127.90	5,378.78	101.00
4,508.55	95.20	4,948.52	146.30	5,388.53	113.90
4,519.11	125.60	4,959.68	164.10	5,398.75	114.10
4,528.97	96.40	4,968.86	135.40	5,408.59	67.90
4,539.45	103.90	4,978.71	127.10	5,418.55	83.90
4,548.98	106.30	4,989.27	237.10	5,428.93	95.80
4,558.64	108.90	4,999.28	230.40	5,438.78	91.30
4,569.13	102.80	5,008.49	192.70	5,448.62	84.00
4,579.00	122.80	5,019.29	181.60	5,458.58	113.60
4,588.63	103.70	5,029.30	142.40	5,468.96	113.10
4,599.13	101.00	5,039.30	157.40	5,478.80	105.60
4,609.02	141.30	5,049.31	172.40	5,488.96	92.50
4,618.66	106.80	5,058.92	200.50	5,498.80	87.40
4,628.50	104.70	5,069.32	203.10	5,508.64	98.30
4,639.04	92.60	5,078.45	218.00	5,518.62	207.50
4,649.53	125.30	5,088.34	141.60	5,528.98	106.20
4,659.37	970.30	5,098.79	150.60	5,538.83	105.60
4,668.56	965.60	5,108.64	211.20	5,548.64	186.30
4,679.07	450.00	5,118.48	240.70	5,558.65	155.20
4,689.56	128.20	5,128.36	208.70	5,568.65	130.60
4,699.40	120.00	5,138.82	222.50	5,578.66	130.80
4,708.59	130.00	5,148.66	271.50	5,588.66	153.90
4,719.09	118.40	5,158.38	194.00	5,599.06	153.90
4,729.58	135.40	5,168.39	200.50	5,608.68	112.90
4,738.71	119.50	5,178.78	240.30	5,618.80	108.90
4,748.55	118.50	5,188.63	238.00	5,629.30	125.20
4,759.12	90.60	5,198.47	267.80	5,639.14	123.70
4,769.55	86.70	5,208.62	443.70	5,648.33	150.70
4,778.70	325.10	5,218.46	284.60	5,658.17	76.20
4,788.54	103.70	5,228.43	242.00	5,669.33	70.40
4,799.15	124.10	5,238.81	296.70	5,679.17	90.30
4,809.15	133.40	5,248.65	207.20	5,688.24	91.50
4,819.16	134.40	5,258.49	168.20	5,698.20	80.70
4,828.57	122.40	5,268.61	230.50	5,708.74	80.10
4,838.41	138.00	5,278.46	221.60	5,719.23	99.60
4,849.57	134.70	5,288.95	200.80	5,729.07	84.10
4,859.41	231.20	5,298.76	219.10	5,738.26	114.10
4,868.60	135.70	5,308.61	187.80	5,748.77	122.10
4,878.53	189.70	5,318.49	153.20	5,759.26	89.30
4,889.62	189.70	5,328.95	162.50	5,769.13	94.30
4,898.81	131.30	5,338.79	98.00	5,778.31	129.80
4,908.65	122.40	5,348.63	105.40	5,788.16	108.00
4,918.49	120.70	5,358.51	129.60	5,798.80	108.70

PETROTECH PERUANA S.A.

WELL:

LO16-23

LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
5,809.15	118.20	6,248.28	269.00	6,688.03	94.10
5,818.34	73.70	6,258.12	77.20	6,697.87	88.30
5,828.18	82.80	6,268.11	55.10	6,708.40	96.00
5,838.09	82.10	6,278.46	55.20	6,718.87	127.80
5,849.24	80.10	6,288.31	54.30	6,728.06	132.80
5,858.43	94.10	6,298.15	450.00	6,737.90	149.60
5,868.99	125.70	6,308.14	826.10	6,748.43	125.40
5,879.24	234.50	6,318.49	765.20	6,758.90	135.60
5,888.49	211.60	6,328.33	450.00	6,768.08	144.00
5,898.87	154.00	6,330.65	176.10	6,777.93	152.10
5,909.33	115.00	6,348.16	81.70	6,788.45	146.40
5,918.51	72.90	6,358.46	77.30	6,798.92	97.80
5,928.89	55.70	6,368.18	65.10	6,808.11	112.00
5,938.89	88.20	6,378.67	85.10	6,817.95	155.00
5,948.90	103.10	6,388.19	106.00	6,827.80	136.50
5,958.91	92.70	6,398.61	79.00	6,838.95	106.80
5,968.54	94.20	6,408.51	87.00	6,848.14	103.40
5,978.38	153.40	6,418.42	84.80	6,857.98	139.20
5,988.22	173.00	6,428.22	78.20	6,867.82	93.60
5,998.06	150.90	6,438.51	75.10	6,878.98	93.90
6,008.56	156.80	6,448.42	135.10	6,888.16	114.00
6,018.41	117.80	6,458.24	115.90	6,898.01	130.50
6,028.95	125.80	6,468.24	77.90	6,907.85	102.80
6,038.96	174.80	6,478.25	71.60	6,919.00	128.50
6,048.97	253.30	6,488.59	78.70	6,928.19	160.60
6,058.62	201.30	6,498.75	78.30	6,938.03	112.30
6,068.46	148.30	6,508.65	77.40	6,947.87	122.80
6,078.31	153.10	6,518.49	100.70	6,958.07	167.10
6,088.15	129.40	6,528.34	73.10	6,967.92	130.60
6,098.00	77.90	6,538.29	74.20	6,977.76	128.70
6,108.49	55.20	6,548.68	89.60	6,988.91	136.70
6,118.33	191.70	6,557.86	65.10	6,998.10	162.60
6,128.18	191.70	6,568.36	71.50	7,007.94	171.20
6,138.03	404.50	6,578.31	85.90	7,017.79	178.20
6,148.52	152.00	6,588.67	71.40	7,028.94	163.50
6,158.04	143.50	6,597.86	80.60	7,038.13	179.30
6,168.54	74.30	6,607.98	133.90	7,048.94	167.80
6,178.39	70.00	6,618.48	99.00	7,058.12	226.80
6,188.26	211.70	6,628.35	98.60	7,067.97	160.60
6,198.10	221.90	6,638.82	90.50	7,079.12	173.00
6,208.07	289.60	6,648.01	76.20	7,088.96	251.80
6,218.10	152.30	6,657.85	75.80	7,098.15	251.80
6,228.08	196.90	6,668.37	98.30	7,107.99	185.30
6,238.44	210.80	6,678.85	98.20	7,117.83	272.50

PETROTECH PERUANA S.A.

WELL:

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LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
7,127.68	220.80	7,568.17	114.00	8,007.43	111.80
7,138.18	184.50	7,578.01	106.50	8,018.58	130.90
7,148.02	183.40	7,587.98	450.00	8,027.42	450.00
7,157.86	168.40	7,598.35	290.90	8,037.92	159.20
7,167.70	228.20	7,607.54	201.90	8,047.77	146.90
7,177.76	199.60	7,618.00	1,614.90	8,057.61	132.10
7,187.71	163.00	7,628.49	343.50	8,068.29	247.00
7,198.10	173.60	7,638.34	1,690.50	8,077.35	182.50
7,207.73	201.80	7,647.52	335.40	8,087.85	152.80
7,218.13	133.90	7,658.02	307.60	8,097.69	284.50
7,227.97	138.90	7,668.52	117.40	8,107.53	108.10
7,238.15	182.90	7,678.36	243.50	8,117.38	106.10
7,248.00	150.40	7,687.55	2,387.80	8,127.53	228.00
7,257.84	189.30	7,698.05	160.10	8,137.37	110.70
7,267.77	200.00	7,708.55	830.40	8,147.34	113.80
7,278.18	141.70	7,718.06	1,432.20	8,157.71	214.30
7,288.02	123.60	7,728.48	155.90	8,167.56	108.70
7,297.86	118.70	7,737.67	1,724.00	8,177.40	108.30
7,307.79	199.10	7,747.92	140.10	8,187.37	209.40
7,318.21	150.40	7,757.51	133.70	8,197.74	145.20
7,328.05	121.90	7,768.09	153.00	8,207.58	123.00
7,337.89	168.70	7,778.43	450.00	8,217.42	278.30
7,347.82	115.00	7,787.61	300.30	8,227.40	267.00
7,358.23	161.00	7,797.45	174.50	8,237.77	150.50
7,368.07	167.10	7,808.61	226.20	8,247.61	267.10
7,377.92	158.70	7,818.45	177.30	8,257.68	450.00
7,387.84	134.20	7,827.64	187.00	8,267.52	329.70
7,398.26	177.30	7,838.14	253.50	8,277.43	194.90
7,408.10	107.30	7,848.64	183.60	8,287.43	450.00
7,417.94	108.00	7,858.48	180.20	8,297.84	450.00
7,427.87	122.00	7,867.66	176.80	8,307.68	270.90
7,438.28	128.00	7,877.51	431.30	8,317.53	236.90
7,448.13	147.20	7,888.66	183.90	8,327.46	450.00
7,457.89	107.40	7,898.50	173.60	8,337.87	450.00
7,468.25	240.40	7,907.69	316.70	8,347.47	450.00
7,478.09	221.80	7,917.53	185.00	8,357.86	371.40
7,488.46	212.80	7,928.69	197.90	8,367.71	241.40
7,498.30	273.90	7,937.84	2,459.00	8,377.70	412.80
7,508.15	195.10	7,947.68	175.30	8,387.54	284.30
7,517.99	131.20	7,957.87	151.70	8,397.51	113.90
7,528.14	110.20	7,967.40	148.00	8,407.88	140.90
7,537.99	153.40	7,978.56	117.50	8,417.72	168.20
7,547.95	144.90	7,987.74	182.10	8,427.57	159.10
7,558.33	203.90	7,997.59	450.00	8,437.53	158.70

PETROTECH PERUANA S.A.

WELL:

LO16-23

LOBITOS OFFSHORE



GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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TOTAL GAS VALUES REPORT

DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)	DEPTH (FT)	TOTAL GAS (Units)
8,448.02	154.30	8,887.34	255.90	9,327.31	96.20
8,457.86	188.50	8,897.19	450.00	9,337.16	80.60
8,467.70	232.60	8,907.84	281.60	9,347.13	81.20
8,477.56	210.20	8,917.85	145.10	9,357.50	110.10
8,488.04	185.30	8,927.85	154.10	9,367.34	96.40
8,497.89	186.10	8,937.86	189.10	9,377.18	83.50
8,507.22	180.20	8,947.87	133.10	9,387.16	127.80
8,517.72	143.80	8,957.87	175.00	9,397.52	136.70
8,527.59	125.60	8,967.88	133.60	9,407.37	134.20
8,538.03	124.90	8,977.46	239.20	9,417.21	144.30
8,547.21	117.00	8,987.30	155.60	9,427.18	85.60
8,557.71	114.70	8,997.15	129.40	9,437.55	87.30
8,567.62	171.20	9,008.24	127.50	9,447.40	450.00
8,578.02	186.20	9,017.42	93.80	9,457.24	450.00
8,587.20	204.00	9,027.27	87.50	9,467.21	105.80
8,597.67	230.80	9,037.45	90.10	9,477.58	101.70
8,607.64	248.50	9,047.30	95.60	9,487.42	123.90
8,618.01	233.70	9,057.14	92.10	9,497.26	74.30
8,627.20	211.50	9,068.29	88.90	9,507.07	84.60
8,637.71	242.10	9,077.48	133.60	9,517.57	104.90
8,647.67	202.30	9,087.32	124.50	9,527.41	80.80
8,658.05	314.80	9,097.17	132.80	9,537.25	118.20
8,667.20	191.00	9,107.35	2,370.40	9,547.38	113.20
8,677.25	133.60	9,117.20	172.60	9,557.27	86.10
8,687.75	144.50	9,127.04	102.60	9,567.72	99.20
8,697.70	155.10	9,137.40	102.40	9,577.28	114.50
8,708.08	258.40	9,147.24	100.30	9,587.71	79.30
8,717.27	236.50	9,157.09	95.20	9,596.90	144.30
8,727.77	236.70	9,167.01	124.70	9,607.74	1,143.10
8,737.18	1,236.20	9,177.40	107.50	9,616.93	93.40
8,747.74	254.30	9,187.24	98.40	9,627.43	93.20
8,758.17	233.40	9,197.08	125.60	9,637.74	106.70
8,767.36	191.00	9,207.04	99.10	9,646.92	94.00
8,777.20	205.60	9,217.42	99.80	9,657.42	89.80
8,787.76	190.20	9,227.26	112.90	9,667.78	150.40
8,798.17	220.90	9,237.11	143.00	9,676.97	109.30
8,807.35	150.80	9,247.06	106.30	9,687.47	91.90
8,817.16	146.40	9,257.45	110.90	9,697.36	95.30
8,827.79	195.10	9,267.29	450.00	9,707.81	164.80
8,838.16	214.10	9,277.13	100.90	9,717.00	103.10
8,847.35	301.60	9,287.09	93.60	9,726.84	101.70
8,857.16	243.00	9,297.47	132.00	9,737.39	265.30
8,868.31	210.00	9,307.32	84.50	9,747.83	110.10
8,878.16	167.60	9,317.16	79.00	9,757.02	114.90

LO16-23



J.J. PETROLOG

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[illegible]



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
550 -	580	100 CLYST	GY, LT GY, SB BLKY/BLKY, SL MICR CARB, NON CALC, SM SURF, OCC MICR PYR, SM SURF, SFT.	NF
580 -	610	100 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/BLKY, SL MICR CARB, SL-NON CALC, SFT. ACC : WH & HY CALC, COAL.	
610 -	640	90 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/BLKY, SL MICR CARB, SL-NON CALC, SFT.	NF
		10 SLTST	GY, LT GY, SB BLKY, MICR CARB, NON CALC, MOD FRM TO SFT.	
640 -	670	80 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/BLKY, SL MICR CARB, SL-NON CALC, SFT.	NF
		20 SLTST	GY, LT GY, SB BLKY, MICR CARB, NON CALC, MOD FRM TO SFT. ACC : WH & HY CALC, SOME COAL.	
670 -	700	80 CLYST	GY'SH, OCC BN'SH GY, SB BLKY, SL MICR CARB, SL-NON CALC, SFT.	NF
		10 SLTST	GY, LT GY, SB BLKY, MICR CARB, NON CALC, MOD SFT TO FRM.	
		10 SD	WH, HY, QTZ, F-M GRAINED, SB ANG/SB RND, FR SRTD, CLEAN.	
700 -	730	80 CLYST	GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY/BLKY CALC TO V CALC, SL MICR CARB, MOD FRM.	
		10 SD	WH, HY, SOME SMOKY WH, QTZ, MOSTLY F-M GRAINED CLEAN.	
730 -	760	60 CLYST	GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		20 SLTST	GY, LT GY, SB BLKY/BLKY CALC TO V CALC, SL MICR CARB, MOD FRM.	
		10 SD	WH, HY, SOME SMOKY WH, QTZ, MOSTLY F-M GRAINED SB ANG/SB RND, FR - W, SRTD, CLEAN.	
		10 DOL	BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL MOD HD.	
760 -	790	70 CLYST	GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY/BLKY, SL CALC, SL MICR CARB MOD FRM.	
		10 SD	WH, HY, SOME SMOKY WH, QTZ, 90%VF, 10%F GRAINED SB ANG/SB RND, W SRTD, CLEAN.	
		10 DOL	BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB INCL	



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			MOD HD.	
790 -	820	60	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY CALC TO V CALC, SL MICR CARB, MOD FRM.	
		20	SD WH, HY, SOME SMOKY WH, QTZ, MOSTLY F-M GRAINED CLEAN.	
		10	DOL BEIGE, BLKY/SB BLKY, SL CALC, OCC MICR CARB INCL, MOD HD.	
820 -	850	80	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, SL CALC, SL MICR CARB MOD FRM.	
		10	SS GY'SH, QTZOSE, 100%VF GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/INCL LITHICS, MOD HD P VIS POR. ACC: CALC	
850 -	880	80	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		10	SS GY'SH, QTZOSE, 100%VF GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, MOD HD TO HD, P VIS POR	
880 -	910	70	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		20	SS GY'SH, QTZOSE, 100%VF GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, MOD HD TO HD, P VIS POR	
910 -	940	70	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB, MOD FRM	
		20	SS GY, WH'SH GY, 100%VF GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, MOD HD, P VIS POR.	
940 -	970	60	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		20	SS GY, WH'SH GY, 100%VF-F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/INCL LITHICS, MICR CARB, MOD HD, P VIS POR.	
		10	SD WH, HY, TRANSL, QTZ, QTZ, MOSTLY M GRS, SB ANG/SB	



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			RND, W SRTD, CLEAN.	
970 -	1000	60	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		10	SS GY, WH'SH GY, 100%VF-F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/INCL LITHICS, CARB, MOD HD	
		10	SD WH, HY, TRANSL, QTZ, QTZ, MOSTLY M GRS, SB ANG/SB RND, W SRTD, CLEAN.	
		10	DOL BEIGE, OCC TAN, SB BLKY/BLKY, CALC, FEW MICR CARB MOD HD.	
1000 -	1030	60	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		20	SD WH, HY, TRANSL, QTZ, QTZ, 30%VF-F, 40%F-M, 30% M-C SB ANG/SB RND, FR SRTD, CLEAN, SOME DIRTY	
		10	DOL BEIGE, OCC TAN, SB BLKY/BLKY, CALC, FEW MICR CARB INCL, MOD HD. ACC : ABDT CALC, SOME CHERTS.	
1030 -	1090	50	CLYST GY, LT GY, SB BLKY, SL CALC, SL MICR CARB, SFT TO MOD FRM.	NF
		10	SLTST GY, LT GY, SB BLKY/BLKY, CALC, SL MICR CARB MOD FRM.	
		10	SS GY, WH'SH GY, 100%VF-F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/INCL LITHICS, CARB, MOD HD, P VIS POR.	
		30	SD WH, SMOKY WH, DIRTY WH, QTZ, 10%VF, 20%F, 50%M 20%C GRS, SB ANG/SB RND, P SRTD, DIRTY	
1090 -	1120	60	CLYST GY, LT GY, OCC DK GY, SB BLKY, SL CALC IN PT, SL MICR CARB, MOD FRM.	NF
		20	SS WH, GY'SH WH, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/ INCL LITHICS, SOME CARB MAT, MOD HD, P VIS POR.	
		20	SD WH, HY, MNR SMOKY WH, QTZ, 10%VF-F, 70%F, 20%M GRAINED, SOME C GRS, SB ANG/SB RND, FR SRTD, CLEAN.	
1120 -	1150	60	CLYST GY, LT GY, OCC DK GY, SB BLKY, SL CALC IN PT, SL MICR CARB, MOD FRM.	NF
		20	SS WH, GY'SH WH, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/ INCL LITHICS, SOME CARB MAT, MOD HD, P VIS POR.	
		20	SD WH, HY, VIT, QTZ, PREDOMINANTLY VF-F GRAINED, MNR	



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			M GRAINED, FR SRTD.	
1150 -	1180	40 CLYST	GY, LT GY, OCC DK GY, SB BLKY, SL CALC IN PT, SL MICR CARB, MOD FRM.	NF
		20 SS	GY'SH, QTZOSE, 80%F, 20%C GRAINED, SB ANG/SB RND FR SRTD, CALC CMT, SLTY MTX, W/ SOME LITHICS INCL MOD HD, P VIS POR.	
		40 SD	WH, HY, VIT, TRANSL, MNR SMOKY WH, 10%VF, 30%F 40%M, 20%C GRAINED, SOME GRANULES, CLEAN.	
1180 -	1210	20 CLYST	GY, LT GY, SB BLKY, SL CALC IN PT, SL MICR CARB MOD FRM.	NF
		20 SS	GY'SH, QTZOSE, 100%F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/ INCL MICR CARB, LITHICS, MOD HD, P VIS POR	
		60 SD	WH, HY, SMOKY WH, MNR MLKY WH, FEW GN'SH, QTZ, 10%F, 50%M, 30%C, 10%VC TO VVC, FEW GRANULES, SB ANG/SB RND, P SRTD, CLEAN. ACC : ABDT CALC, MICR CARB.	
1210 -	1240	20 CLYST	GY, LT GY, SB BLKY, SL CALC IN PT, SL MICR CARB SM SURF, MOD FRM.	NF
		10 SS	GY'SH, QTZOSE, 100%F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/ CARB MAT INCL, LITHICS, MOD HD, P VIS POR	
		70 SD	WH, HY, SMOKY WH, MNR MLKY WH, FEW GN'SH, QTZ, 10%F, 50%M, 30%C, 10%GRANULES, SB ANG/SB RND, P SRTD, CLEAN. ACC : ABDT CALC, MICR CARB.	
1240 -	1270	30 CLYST	GY, LT GY, SB BLKY, SL CALC IN PT, SL MICR CARB SM SURF, MOD FRM.	NF
		10 SS	GY'SH, QTZOSE, 100%F GRS, SB ANG/SB RND, W SRTD CALC CMT, SLTY MTX, W/CARB MAT INCL, LITHICS, MOD HD, P-FR VIS POR	
		60 SD	WH, HY, SMOKY WH, MNR MLKY WH, FEW GN'SH, QTZ, 20%F, 70%M, 10%C, SB ANG/SB RND, P SRTD, CLEAN	
1270 -	1300	60 CLYST	GY, LT GY, SB BLKY/BLKY, SL CALC, MICR CARB IN PT MOD SFT TO FRM.	NF
		10 SS	GY'SH, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, W/ INCL LITHICS, CARB MAT MOD HD, P VIS POR.	
		30 SD	WH, HY, VIT, QTZ, 20%F, 50%M, 30%C GRAINED, SB ANG SB RND, P SRTD, SL CLEAN.	
1300 -	1330	30 CLYST	GY, LT GY, SB BLKY/BLKY, SL CALC, MICR CARB IN PT MOD SFT TO FRM.	NF



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:

J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SS	GY, GY'SH, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, W/LITHICS INCL, CARB MAT MOD HD, P VIS POR.	
		60 SD	WH, SMOKY WH, FEW GN'SH GY, 20%F, 30%M, 50%C GRAINED, SB ANG/SB RND, P SRTD, SL CLEAN. ACC : CARB, ABDT CALC, FEW CHERTS.	
1330 -	1390	30 CLYST	GY, LT GY, SB BLKY/BLKY, SL CALC, MICR CARB IN PT MOD SFT TO FRM.	NF
		20 SS	GY'SH, QTZOSE, 100%F, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/ INCL CARB, SOME LITHICS, MOD HD, P VIS POR.	
		50 SD	WH, SMOKY WH, 10%F, 50%M, 40%C GRAINED, SBANG/ SB RND, P SRTD, CLEAN.	
1390 -	1420	30 CLYST	GY'SH, SB BLKY, SL CALC, MICR CARB IN PT, MOD SFT TO FRM.	NF
		30 SS	GY, WH'SH GY, QTZOSE, 50%F, 30%M, 20%C, SB ANG SB RND, P-FR SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, FEW GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
		40 SD	WH, SMOKY WH, FEW GY'SH, SOME GN'SH, DIRTY WH, QTZ, 20%F, 30%M, 30%C, 20%VC-GRANULES TO PBL SOME HACKLY, ANG/SB ANG/SB RND, P SRTD, DIRTY. ACC : ABDT CALC, PYR, CHERTS.	
1420 -	1450	10 CLYST	GY'SH, SB BLKY, SL CALC, MICR CARB IN PT, MOD SFT TO FRM.	NF
		20 SS	GY, WH'SH GY, QTZOSE, 50%F, 30%M, 20%C, SB ANG SB RND, P-FR SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, FEW GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
		70 SD	WH, SMOKY WH, GY'SH, MNR HY, SOME DK GY, 10%VF, 20%F, 30%M, 20%C, 20%VC TO PBL, ANG/SB ANG/SB RND P SRTD, OCC PYR GRAINS, SL DIRTY. ACC : MICR PYR, MICR CARB.	
1450 -	1480	10 CLYST	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, OCC MICR CARB, CLYST CALC, DUSTY PYR SCAT, SM SURF, V SFT MOD FRM.	NF
		20 SS	GY, WH'SH GY, QTZOSE, 50%F, 30%M, 20%C, SB ANG SB RND, P-FR SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, FEW GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
		70 SD	WH, SMOKY WH, GY'SH, MNRMLKY WH, SOME DK GY, 40%VF, 30%F, 30%C, TO VC, GRANULES, ANG/SB ANG/SB RND P SRTD, OCC PYR GRAINS, DIRTY.	
1480 -	1510	20 CLYST	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, OCC MICR CARB, CLYST CALC, DUSTY PYR SCAT, SM SURF, V SFT MOD FRM.	NF



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
	20	SS	GY, WH'SH GY, QTZOSE, 50%F, 30%M, 20%C, SB ANG SB RND, P-FR SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, FEW GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
	60	SD	WH, SMOKY WH, GY'SH, MNRMLKY WH, SOME DK GY, 40%VF-F, 30%M, 30%C TO VC, GRANULES, ANG/SB ANG /SB RND, P SRTD, OCC PYR GRAINS, DIRTY.	
1510 -	1540	10	CLYST GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, OCC MICR CARB, CLYST CALC, DUSTY PYR SCAT, SM SURF, V SFT MOD FRM.	NF
	30	SS	GY, WH'SH GY, QTZOSE, 50%F, 30%M, 20%C, SB ANG SB RND, P-FR SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, FEW GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
	60	SD	WH, SMOKY WH, GY'SH, MNRMLKY WH, SOME DK GY, 50%F, 20%M, 20%C, 10 VC, GRANULES-PBL, ANG/SB ANG/SB RND P SRTD, DIRTY. ACC : ABDT CALC, MICR CARB, CHERTS.	
1540 -	1570	20	CLYST GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, OCC MICR CARB, CLYST CALC, DUSTY PYR SCAT, SM SURF, V SFT MOD FRM.	NF
	20	SS	GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/SB SB RND, W SRTD, CALC CMT, SLTY MTX, W/ CARB MAT GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
	60	SD	WH, SMOKY WH, GY'SH, FEW DK GY, QTZ, 70%F, 20%M 10%C TO VC, SOME PBLs, ANG/SB ANG/SB RND, P SRTD SL DIRTY.	
1570 -	1600	70	CLYST BN, MNR BN'SH GY, OCC GY'SH, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB, DSTY PYR SCAT, MOD SFT	NF
	10	SS	GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/SB SB RND, W SRTD, CALC CMT, SLTY MTX, W/ CARB MAT GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
	20	SD	WH, HY, SMOKY WH, QTZ, FEW C-MOSTLY F GRAINED SB ANG/SB RND, FR - W SRTD, CLEAN. ACC : FEW CHERTS, CALC, MICR PYR.	
1600 -	1630	80	CLYST BN, MNR BN'SH GY, OCC GY'SH, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB, DSTY PYR SCAT, MOD SFT	NF
	10	SLTST	BN, BN'SH GY, LT BN'SH GY, SB BLKY/BLKY, GRDG TO VF SS, MICR CARB, OCC MICR PYR, SFT-MOD FRM.	
	10	SS	GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/SB SB RND, W SRTD, CALC CMT, SLTY MTX, W/ CARB MAT GLAU, MICR PYR IN PT, MOD HD, P VIS POR.	
1630 -	1660	90	CLYST GY, LT GY, V MNR GN'SH GY, SB BLKY/SB PLTY, SL CALC IN PT, MICR CARB IN PT, MOD FRM TO SFT.	NF
	10	DOL	BEIGE, ORANGE, BLKY/SB BLKY, SL CALC DOLOMITE,	



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			OCC MICR CARB, HD.	
1660 -	1720	90 CLYST	GY, LT GY, BN'SH GY, V MNR GN'SH GY, SB BLKY/SB PLTY SL CALC, IN PT, MICR CARB IN PT, MOD FRM TO SFT.	NF
		10 DOL	BEIGE, ORANGE, BLKY/SB BLKY, SL CALC DOLOMITE, OCC MICR CARB, HD.	
1720 -	1750	60 CLYST	BN, LT BN, MNR BN'SH GY, SB BLKY/SB PLTY, SL CALC INCL MICR CARB, SOME EARTHY SURF, MOD SFT-FRM.	NF
		10 SLTST	BN, LT BN'SH GY, SB BLKY/BLKY, GRDG TO VF SS MICR CARB MAT, LITHICS, SFT.	
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/ LITHICS INCL, MICR CARB IN PT, MOD HD TO HD.	
		10 SD	WH, HY, QTZ, 100%F GRAINED, SB ANG/SB RND, W SRTD CLEAN.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB, HD. ACC : FEW CHERTS, CALC, MIC CARB, SOME MICR FOSS.	
1750 -	1810	80 CLYST	BN, LT BN, MNR BN'SH GY, SB BLKY/SB PLTY, SL CALC INCL MICR CARB, SOME EARTHY SURF, MOD SFT-FRM.	NF
		10 SLTST	BN, LT BN'SH GY, SB BLKY/BLKY, GRDG TO VF SS MICR CARB MAT INCL, LITHICS, SFT.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB, HD	
1810 -	1840	70 CLYST	BN, LT BN, MNR BN'SH GY, SB BLKY/SB PLTY, SL CALC INCL MICR CARB, SOME EARTHY SURF, MOD SFT-FRM.	NF
		20 SLTST	BN, LT BN'SH GY, SB BLKY/BLKY, GRDG TO VF SS MICR CARB MAT INCL, LITHICS, SFT.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB, HD..	
1840 -	1870	80 CLYST	GY, BN'SH GY, MNR GN'SH, SB BLKY/SB PLTY, OCC SL CALC, SOME MICR CARB INCL, MOD FRM.	NF
		10 SLTST	BN'SH GY, GY'SH, SB BLKY, SL CALC, MICR CARB IN PT SFT-MOD FRM.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, MICR CARB IN PT HD TO V HD. ACC : CALC, MICR FOSS.	
1870 -	1900	70 CLYST	BN, LT BN, MNR BN'SH GY, SB BLKY/SB PLTY, SL CALC INCL MICR CARB, SOME EARTHY SURF, MOD SFT-FRM.	NF
		20 SLTST	BN, LT BN'SH GY, SB BLKY/BLKY, GRDG TO VF SS MICR CARB, LITHICS, SFT.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB, HD..	



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GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
1900 -	1930	60 CLYST	GY, LT GY, LT BN IN PT, SB BLKY/SB PLTY, SL CALC, SOME NON CALC, MICR CARB INCL, MOD FRM.	NF
		20 SLTST	GY, WH'SH GY, BLKY/SB BLKY, SL-NON CALC, MICR CARB, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, OCC DIRTY WH, QTZOSE, 90%F, 10%M GRAI_NED, SB ANG/SB RND, W SRTD, CALC TO V CALC, HD TO V HD, VP VIIS POR.	
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, NON CALC, MICR CARB IN PT, MOD HD.	
1930 -	1960	70 CLYST	GY, LT GY, MNR BN'SH, SB BLKY/SB PLTY, SL CALC, SOME NON CALC, MICR CARB INCL, MOD FRM.	NF
		10 SLTST	GY, WH'SH GY, BLKY/SB BLKY, SL-NON CALC, MICR CARB, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, OCC DIRTY WH, QTZOSE, 90%F, 10%M GRAI_NED, SB ANG/SB RND, W SRTD, CALC TO V CALC, HD TO V HD, V P VIIS POR.	
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, CONCH FRACT, NON CALC, MICR CARB IN PT, MOD HD.	
1960 -	1990	70 CLYST	GY, BN'SH GY, LT GY, DK GY IN PT, SB BLKY/SB PLTY, SL CALC, SOME NON CALC, MICR CARB INCL, MOD FRM.	NF
		20 SLTST	GY, WH'SH GY, BLKY/SB BLKY, SL-NON CALC, MICR CARB, GRDG TO VF SS, MOD FRM.	
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, CONCH FRACT, NON CALC, MICR CARB IN PT, MOD HD. ACC : MICR CARB, CALC.	
1990 -	2020	70 CLYST	LT BN, BN'SH GY, LT GY, OCC GN'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB IN PT, EARTHY SURF, SFT, MOD FRM.	NF
		10 SLTST	GY'SH, MNR BN'SH GY, SB BLKY/BLKY, SL CALC, MICR CARB, GRDG TO VF SS, SFT-MOD FRM.	
		10 SS	GY, WH'SH GY, OCC GN'SH GY, QTZOSE, 90%F, 10%M SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/INCL LITHICS, FEW CARB, CHLORITE, HD, VP VIS POR.	
		10 DOL	BEIGE, BLKY/SB BLKY, CONCH FRACT, NON CALC, MICR CARB IN PT, MOD HD. ACC : CALC, CARB.	
2020 -	2050	70 CLYST	BN, LT BN, BN'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB IN PT, EARTHY SURF, MOD FRM TO FRM.	NF
		10 SLTST	GY'SH, SB BLKY/BLKY, SL CALC, MICR CARB, SFT-MOD FRM.	
		10 SS	GY, WH'SH GY, OCC GN'SH GY, QTZOSE, 90%F, 10%M SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/CARB MAT INCL, LITHICS INCL, CHLORITE, HD, VP VIS POR.	
		10 DOL	BEIGE, BLKY/SB BLKY, CONCH FRACT, NON CALC, MICR CARB IN PT, MOD HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			ACC :CALC, CARB.	
2050 -	2080	80 CLYST	GY, GY'SH, MNR LT BN, SB BLKY/SB PLTY, SL CALC, MICR CARB, EARTHY SURF, MOD FRM.	NF
		10 SLTST	GY'SH, SB BLKY/BLKY, SL CALC, MICR CARB, SFT-MOD FRM.	
		10 SS	GY, WH'SH GY, OCC GN'SH GY, QTZOSE, 90%F, 10%M SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/CARB MAT INCL, CHLORITE, HD, VP VIS POR.	
2080 -	2110	90 CLYST	GY, BN'SH GY, LT BN, SB BLKY/BLY, SL-NON CALC, OCC CARB, SOAPY IN PT, MOD FRM.	NF
		10 SLTST	GY, GY'SH, SB BLKY/BLY, SL CALC, MICR CARB IN PT SFT-MOD FRM.	
			ACC : MICR FOSS, CALC, MICR CARB.	
2110 -	2170	90 CLYST	BN, LT BN, BN'SH GY, SB BLKY/SB PLTY, SL CALC, OCC MICR CARB, SOAPY IN PT, FRM.	NF
		10 SLTST	GY, SL BN'SH GY, GY'SH, SB BLKY/BLKY, SL CALC, MICR CARB IN PT, SOME GRDG TO VF SS, SFT TO MOD FRM.	
2170 -	2200	100 CLYST	BN, LT BN, BN'SH GY, SB BLKY/SB PLTY, SL CALC, EARTHY SURF IN PT, SFT TO MOD FRM.	NF
2200 -	2230	90 CLYST	BN, BN'SH GY, OCC GY'SH, SB BLKY/SB PLTY, MICR CARB SM SURF, MOD FRM.	NF
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, MOD FRM.	
2230 -	2260	80 CLYST	BN, BN'SH GY, OCC GY'SH, SB BLKY/SB PLTY, MICR CARB SM SURF, MOD FRM.	NF
		10 SLTST	GY, SL BN'SH GY, GY'SH, SB BLKY/BLKY, SL CALC, MICR CARB IN PT, MOD FRM.	
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, NON CALC, HD ACC : MASS CALC.	
2260 -	2290	80 CLYST	BN, BN'SH GY, OCC GY'SH, SB BLKY/SB PLTY, MICR CARB MAT, OCC CARB LAM, MOD FRM.	NF
		10 SLTST	GY, SL BN'SH GY, GY'SH, SB BLKY/BLKY, SL CALC, MICR CARB IN PT, SOME GRDG TO VF SS, SFT TO MOD FRM.	
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, HD.	
2290 -	2320	90 CLYST	GY, LT GY, OCC GN'SH GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB	NF
		10 DOL	BEIGE, OCC TAN, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, MOD HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
2320 -	2350	80 CLYST	BN, LT BN, BN'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MOD FRM, OCC SHLY CLYST, LT BN, SB PLTY, MOD FRM.	NF
		10 SS	GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/INCL MICR CARB, LITHICS, MOD HD, P VIS POR.	
		10 DOL	BEIGE, BLKY/SB BLKY, NON CALC, CONCH FRACT, OCC CARB, MOD HD.	
2350 -	2380	70 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR CARB IN PT, EARTHY SURF, OCC SOAPY, MOD FRM, OCC SHLY CLYST, GY'SH, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY/SL CALC, OCC GRDG TO VF SS, MICR CARB, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/ MICR CARB INCL, LITHICS, MOD HD, P VIS POR.	
		10 DOL	BEIGE, MNR TAN, BLKY/SB BLKY, CALC DOLOMITE, MICR CARB IN PT, CONCH FRACT, HD.	
2380 -	2410	100 CLYST	GY, BN'SH GY, SB BLKY/BLKY, SL CALC, MICR CARB, MICR MIC, OCC SOAPY, MOD FRM.	NF
2410 -	2440	100 CLYST	GY, BN'SH GY, SB BLKY/BLKY, SL CALC, MICR CARB, MICR MIC, OCC SOAPY, MOD FRM. ACC: CALC, CARB	NF
2440 -	2470	100 CLYST	GY, BN'SH GY, SB BLKY/BLKY, SL CALC, MNR MICR CARB MOD FRM.	NF
2470 -	2500	90 CLYST	GY, BN'SH GY, SB BLKY/BLKY, SL -NON CALC, MICR CARB, DSTY PYR IN PT, MOD FRM.	NF
		10 DOL	BEIGE, BLKY/SB BLKY, CALC DOLOMITE, MICR CARB IN PT, CONCH FRACT, HD. ACC: CALC, CARB	
2500 -	2560	90 CLYST	GY, BN'SH GY, SB BLKY/BLKY, SL -NON CALC, MICR CARB, DSTY PYR IN PT, MOD FRM.	NF
		10 DOL	BEIGE, BLKY/SB BLKY, CALC DOLOMITE, MICR CARB IN PT, CONCH FRACT, HD.	
2560 -	2590	80 CLYST	BN, BN'SH GY, MNR GY'SH, SB BLKY/SB PLTY, SL CALC OCC BENT CLYST, MICR CARB, EARTHY SURF IN PT OCC MICR MIC, SFT-MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB MAT INCL, SFT-MOD FRM.	
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/INCL LITHICS MICR CARB IN PT, MOD HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
2590 -	2620	80 CLYST	BN, BN'SH GY, OOC GY'SH, SB BLKY/SB PLTY, OCC PLTY SL CALC, OCC BENT CLYST, MICR CARB, EARTHY SURF IN PT, OCC MICR MIC, SFT-MOD FRM.	NF
		20 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB MAT INCL, SFT- MOD FRM.	
2620 -	2650	70 CLYST	BN, BN'SH GY, LT GY, SB BLKY/SB PLTY, OCC PLTY SL CALC, BENT CLYST IN PT, MICR CARB, EARTHY SURF IN PT, OCC MICR MIC, SFT-MOD FRM.	NF
		20 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB, MOD FRM.	
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/INCL LITHICS MICR CARB IN PT, FEW GN MNRL INCL, MOD HD.	
2650 -	2680	90 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/BLKY, SL-NON CALC MICR MIC, V MNR MICR MIC, MOD FRM. SOME BENT CLYST, GY'SH, V SFT.	NF
		10 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB, SFT- MOD FRM. ACC : MIC, CARB, LIGNITE.	
2680 -	2710	90 CLYST	GY, LT GY, V MNR BN'SH GY, SB BLKY/BLKY, SL-NON CALC OCC DUSTY BRI PYR SCAT, MICR MIC, MOD FRM. SOME BENT CLYST, GY'SH, V SFT.	NF
		10 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB MAT, OCC V MIRC CARB, SFT- MOD FRM. ACC : MIC, CARB, SLICKENSIDE.	
2710 -	2740	80 CLYST	GY, LT GY, FEW BN'SH GY, SB BLKY/BLKY, SL NON CALC MICR CARB IN PT, OCC DUSTY BRI PYR SCAT, MOD FRM, GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB MAT, SFT- MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, V CALC, OCC GRDG TO VF SS, MICR CARB MAT, SFT- MOD FRM.	
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, W/INCL LITHICS MICR CARB IN PT, FEW GN MNRL INCL, MOD HD. ACC : PYR, MIC, CARB, LIGNITE.	
2740 -	2770	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MNR MICR MIC, MOD FRM.	NF
		20 SLTST	GY, LT GY, SB BLKY, CALC, GRDG TO VF SS, MICR CARB MAT, OCC V CARB, SFT- MOD FRM.	
		10 DOL	BEIGE, SOME BN, LT BN, BLKY/SB BLKY, SL CALC MICR CARB MAT INCL, HD.	
2770 -	2800	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MNR MICR MIC, MOD FRM.	NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, SB BLKY, CALC, GRDG TO VF SS, MICR CARB MAT, OCC V CARB, SFT- MOD FRM.	
		10 DOL	BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, HD.	
2800 -	2830	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MNR MICR MIC, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, CALC, V MICR CARB MAT OCC MICR MIC, SFT- MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, HD.	
2830 -	2860	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC MICR CARB, MNR MICR MIC, MOD FRM.	NF
		20 SLTST	GY, LT GY, SB BLKY, SL CALC, GRDG TO VF SS IN PT, MICR CARB, SFT TO MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, HD.	
2860 -	2890	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC MICR CARB, MNR MICR MIC, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, GRDG TO VF SS IN PT, MICR CARB, SFT TO MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, HD.	
2890 -	2950	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB LAM IN PT, MICR MIC IN PT, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, GRDG TO VF SS IN PT, VN MICR CARB, SFT TO MOD FRM.	
		20 DOL	BN, LT BN, BLKY, SL CALC, CONCH FRACT, MICR CARB MAT INCL, MOD HD.	
2950 -	2980	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB LAM IN PT, MICR MIC IN PT, MOD FRM.	NF
		20 DOL	BN, LT BN, BLKY, SL CALC, CONCH FRACT, MICR CARB MAT INCL, MOD HD.	
2980 -	3010	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB LAM IN PT, MICR MIC IN PT, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, GRDG TO VF SS IN PT, MICR CARB, SFT TO MOD FRM.	
		20 DOL	BN, LT BN, BLKY, SL CALC, CONCH FRACT, MICR CARB MAT INCL, MOD HD.	
3010 -	3040	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB LAM IN PT, MICR MIC IN PT, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, SL CALC, CONCH FRACT, MICR CARB	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			MAT INCL, MOD HD.	
3040 -	3070	80 CLYST	GY, LT GY, GN'SH GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC, MICR CARB, SM SURF, SFT- MOD FRM.	NF
	10	SLTST	GY, LT GY, SB BLKY, CALC, SOME GRDG TO VF SS, V MICR CARB TO 0 MICR CARB IN PT.	
	10	DOL	BN, LT BN, OCC BEIGE, BLKY/SB BLKY, CALC, CONCH FRACT, MICR CARB IN PT, HD. ACC: MASS CALC, MICR CARB.	
3070 -	3100	90 CLYST	GY, LT GY, GN'SH GY, SB BLKY/SB PLTY, NON CALC, SL CALC IN PT, MICR CARB, SM SURF, SFT- MOD FRM. BENT CLYST IN PT, SFT.	NF
	10	DOL	BN, LT BN, V MNR BEIGE, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, CONCH FRACT, HD. ACC: MASS CALC, MICR CARB.	
3100 -	3130	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB TO V CARB IN PT, SM SURF, MOD FRM. BENT CLYST IN PT, SFT.	NF
3130 -	3160	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, FEW CALC MICR CARB TO V CARB IN PT, SM SURF, MOD FRM. BENT CLYST IN PT, SFT.	NF
	10	SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF SS MICR CARB MAT INCL, SFT TO MOD FRM.	
	10	DOL	BN, LT BN, FEW BEIGE, BLKY/SB BLKY, MICR CARB IN PT, CONCH FRACT, HD.	
3160 -	3190	70 CLYST	GY, LT GY, GN'SH GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC, MICR CARB TO V CARB IN PT, SM SURF BENT CLYST IN PT, SFT.	NF
	20	SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF SS, MICR CARB MAT INCL, SFT TO MOD FRM.	
	10	DOL	BN, LT BN, FEW BEIGE, BLKY/SB BLKY, MICR CARB IN PT, CONCH FRACT, HD.	
3190 -	3220	80 CLYST	GY, LT GY, GN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR CARB TO V CARB IN PT, SM SURF, BENT CLYST IN PT, SFT - MOD FRM.	NF
	10	SLTST	GY, LT GY, SB BLKY, SL CALC, VN MICR CARB, V CARB IN PT, FEW GRDG TO VF SS, SFT TO MOD FRM.	
	10	DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, OCC CARB LAM, CONCH FRACT, HD.	
3220 -	3280	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC, MICR CARB TO V CARB, MICR MIC IN PT, MOD FRM. BENT CLYST IN PT, SFT.	NF
	10	DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			PT, OCC CARB LAM, CONCH FRACT, HD.	
3280 -	3310	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SOME SL CALC MICR CARB, MICR MIC IN PT, SM SURF, MOD FRM. BENT CLYST IN PT, SFT.	NF
		10 SLTST	GY, LT GY, SBBLKY, SL CALC, MICR CARB, V CARB IN PT, FEW GRDG TO VF SS, SFT TO MOD FRM.	
		10 DOL	BN, LT BN, OCC BEIGE, BLKY/SB BLKY, SL-NON CALC MICR CARB. HD.	
3310 -	3340	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB MAT MNR MICR MIC, ,OD FRM. OCC SHLY CLYST, SL DK GY, MOD FRM.	NF
		10 SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF SS, MICR CARB MAT INCL, SFT TO MOD FRM.	
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, OCC LAM CARB, CONCH FRACT, HD.	
3340 -	3370	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB MAT OCC DUSTY BRI PYR SCAT, MNR MICR MIC, ,MOD FRM. OCC SHLY CLYST, SL DK GY, MOD FRM.	NF
		10 SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF MICR CARB MAT INCL, SFT TO MOD FRM.	
		10 SS	WH, GY'SH WH, QTZOSE, 100%VF-F GRANED, SB ANG/ SB RND, W SRTD, CALC CMT, SLTY MTX, FEW ARG MTX W/MICR CARB MAT INCL, GN'SH GRS & LITHICS INCL, MOD HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT CONCH FRACT, HD. ACC : CALC, CARB.	
3370 -	3400	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY BRI PYR SCAT, MICR CARB MAT & MICR MIC, ,MOD FRM.	NF
		10 SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF SS, MICR CARB MAT INCL, SFT TO MOD FRM.	
		10 SS	WH, GY'SH WH, QTZOSE, 100%VF-F GRANED, SB ANG/ SB RND, W SRTD.	
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, OCC MIC, CONCH FRACT, HD.	
3400 -	3430	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, OCC DUSTY BRI PYR SCAT, MNR MICR MIC, ,MOD FRM. SOME SHLY CLYST, SL DK GY, MOD FRM.	NF
		10 SLTST	GY, LT GY, SBBLKY/BLKY, SL CALC, FEW GRDG TO VF SS, MICR CARB MAT INCL, SFT TO MOD FRM.	
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, CONCH FRACT, HD.	
3430 -	3460	90 CLYST	GY, LT GY, FEW GN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, , MICR CARB, MOD FRM.	NF



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, CONCH FRACT, HD.	
3460 -	3490	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, OCC MIC MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY/SB BLKY, SL CALC, MICR CARB IN PT, OCC CONCH FRACT, HD.	
3490 -	3520	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MICR MIC IN PT, OCC DUSTY BRI PYR SCAT, MOD FRM.	NF
3520 -	3550	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MICR MIC IN PT, OCC DUSTY BRI PYR SCAT, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB MAT GRDG TO VF SS, SOME GN MNRL INCL, SFT- MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3550 -	3580	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MICR MIC IN PT, OCC DUSTY BRI PYR SCAT, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3580 -	3610	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MAT INCL, OCC MICR MIC, MOD FRM.	NF
		10 SLTST	GY, LT GY, GN'SH GY, SB BLKY, GRDG TO VF SS, SL CALC MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3610 -	3640	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MAT INCL, OCC MICR MIC, MOD FRM. BENT CLYST IN PT GY'SH, SFT.	NF
		10 SLTST	GY, WHSH GY, SB BLKY, V CALC, GRDG TO VF SS, MICR CARB, GN MNRL INCL, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3640 -	3670	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MAT INCL, OCC MICR MIC, MOD FRM. BENT CLYST IN PT GY'SH, SFT.	NF
		10 SLTST	WH, DIRTY WH, GY'SH WH, SB BLKY, MICR CARB MAT CARB LAM IN PT, FRM TO V FRM.	
		20 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3670 -	3700	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MAT INCL, OCC MICR MIC, MOD FRM. BENT CLYST IN PT GY'SH, SFT.	NF
		20 SLTST	WH, DIRTY WH, GY'SH WH, SB BLKY, MICR CARB MAT CARB LAM IN PT, FRM TO V FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
3700 -	3730	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB MAT INCL, OCC MICR MIC, MOD FRM. BENT CLYST IN PT GY'SH, SFT.	NF
		10 SLTST	WH, DIRTY WH, GY'SH WH, SB BLKY, CARB MAT, OCC LAM CARB IN PT, FRM TO V FRM.	
		10 SS	WH, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/ GN MNRL INCL, MICR CARB, MOD HD, P VIS POR	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL CALC, MOD HD.	
3730 -	3760	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MAT INCL, MOD FRM. MNR BENT CLYST, SFT.	NF
		10 SLTST	WH, DIRTY WH, GY'SH WH, SB BLKY, MICR CARB MAT FRM TO V FRM.	
		10 DOL	BN, LT BN, MNR BEIGE, BLKY/SB BLKY, SL-NON CALC, CONCH FRACT, MOD HD. ACC : CARB, CALC	
3760 -	3820	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, MICR CARB SL-NON CALC, MOD FRM, OCC BENT CLYST.	NF
		10 DOL	BEIGE, LT BN, BN, BLKY, MICR CARB, SL CALC, CONCH FRACT, HD. ACC : CALC, CARB.	
3820 -	3850	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, MICR CARB SL-NON CALC, MOD FRM, OCC BENT CLYST.	NF
		10 DOL	BEIGE, LT BN, BN, BLKY, MICR CARB, SL CALC, CONCH FRACT, HD.	
3850 -	3880	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, SL MICR CARB, SL-NON CALC, SFT-MOD FRM.	NF
3880 -	3940	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, SL MICR CARB, SL-NON CALC, OCC DUSTY BRI PYR SCAT, SFT- MOD FRM.	NF
3940 -	3970	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, SL MICR CARB, SL-NON CALC, OCC DUSTY BRI PYR SCAT, SFT- MOD FRM.	NF
		10 SS	GY, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/ MIC, CARB MAT MOD HD, P VIS POR.	
		10 DOL	BEIGE, LT BN, BN, BLKY, MICR CARB, SL CALC, CONCH FRACT, HD.	
3970 -	4000	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR MIC, SL MICR CARB, SL-NON CALC, OCC DUSTY BRI PYR SCAT, SFT- MOD FRM.	NF
		10 SS	GY, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/ MIC, CARB MAT	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		20 DOL	MOD HD, P VIS POR. BEIGE, LT BN, BN, BLKY, MICR CARB, SL CALC, CONCH FRACT, HD.	
4000 -	4060	90 CLYST	GY, LT GY, MNR BN'SH GY, SB PLTY/PLTY, SL-NON CALC MICR CARB, MICR MIC, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, MICR CARB, SL CALC, CONCH FRACT, OCC DUSTY BRI PYR SCAT, MOD HD.	
4060 -	4120	80 CLYST	GY, LT GY, MNR BN'SH GY, SB PLTY/PLTY, SL CALC MICR CARB, MICR MIC, MOD FRM.	NF
		20 DOL	BN, LT BN, BLKY, MICR CARB, SL CALC, CONCH FRACT DUSTY PYR SCAT IN PT, MOD HD.	
4120 -	4150	90 CLYST	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, SL CALC MICR MIC, MICR CARB, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, MICR CARB, SL CALC, CONCH FRACT MOD HD.	
4140 -	4180	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, MICR CARB, OCC MICR MIC, DUSTY BRI PYR SCAT, MOD FRM.	NF
4180 -	4210	90 CLYST	GY, LT GY, OCC BN'SSH GY, SB BLKY/SB PLTY, SL CALC MICR MIC, MICR CARB, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, MICR CARB, SL CALC, CONCH FRACT MOD HD.	
4210 -	4240	80 CLYST	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB, OCC NICR MIC, EARTHY SURF, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, CARB MAT SFT IN PT, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, SL CALC, CONCH FRACT, MICR CARB IN PT, MOD HD.	
4240 -	4270	90 CLYST	GY, LT GY, OCC BN'SSH GY, SB BLKY/SB PLTY, SL CALC MICR MIC, MICR CARB, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, MICR CARB, SL CALC, CONCH FRACT MOD HD.	
4270 -	4300	90 CLYST	GY, LT GY, OCC BN'SSH GY, SB BLKY/SB PLTY, SL CALC MICR MIC, MICR CARB, EARTHY SURF, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT	
4300 -	4330	80 CLYST	GY, LT GY, OCC BN'SSH GY, SB BLKY/SB PLTY, SL CALC OCC MICR MIC, MICR CARB, MOD FRM.	NF
		20 SLTST	GY, SB BLKY/BLKY, SL CALC, SOME GRDG TO VF SS MICR CARB INCL, GN'SH MNRL INCL, SFT- MOD FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
4330 -	4390	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB OCC DUSTY BRI PYR SCAT, MOD FRM	NF
4390 -	4420	90 CLYST	GY, LT GY, OCC BN'SSH GY, SB BLKY/SB PLTY, SL CALC OCC MICR MIC, MICR CARB, MOD FRM	NF
		10 SLTST	GY, SB BLKY/BLKY, SL CALC, SOME GRDG TO VF SS MICR CARB INCL, GN'SH MNRL INCL, MOD FRM.	
4420 -	4480	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CAL, MICR MIC MICR CARB MAT INCL, MOD FRM.	NF
4480 -	4510	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CAL, MICR MIC MICR CARB MAT INCL, MOD FRM.	NF
4510 -	4570	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, OCC SHLY CLYST. DK GY, MOD FRM.	NF
		10 SLTST	GY, SB BLKY/BLKY, SL CALC, MICR CARB MAT INCL, GN'SH MNRL INCL, SFT-MOD FRM.	
4570 -	4600	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON ALC, FEW SL CALC OCC DK GY SHLY CLYST, MOD FRM.	NF
4600 -	4660	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON ALC, FEW SL CALC OCC DK GY SHLY CLYST, MOD FRM.	NF
4660 -	4720	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, OCC SHLY CLYST. DK GY, MOD FRM.	NF
		10 SLTST	GY, SB BLKY/BLKY, SL CALC, MICR CARB MAT INCL GN'SH MNRL INCL, SFT-MOD FRM.	
4720 -	4780	100 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
4780 -	4840	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MNR MICR MIC, MOD FRM. ACC : MILLONITE, CARB, DOL.	NF
4840 -	4870	100 CLYST	GY, LT GY, OCC WH'SH GY, SB BLKY/SB PLTY, OCC PLTY, MICR CARB, MICR MIC, MOD FRM. SOME SHLY CLYST, SL DK GY, MOD FRM.	NF
4870 -	4900	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SOME PLTY, NON CALC MICR MIC, MICR CARB IN PT, OCC DUSTY BRI PYR SCAT, SFT-MOD FRM. OCC BENT CLYST	NF
		10 SLTST	GY, LT GY, WH'SH GY, SB BLKY, SL CALC, MICR CARB MICR MIC, SFT TO MOD FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
4900 -	4930	100 CLYST	GY, LT GY, OCC WHSH GY, SB BLKY/SB PLTY, OCC PLTY, MICR CARB, MICR MIC, MOD FRM. SOME SHLY CLYST, SL DK GY, MOD FRM.	NF
4930 -	4960	100 CLYST	GY, LT GY, OCC WHSH GY, SB BLKY/SB PLTY, OCC PLTY, EARTHY SURF, MICR CARB, MICR MIC, MOD FRM. OCC DK GY, SHLY CLYST, MOD FRM.	NF
4960 -	4990	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, OCC PLTY, EARTHY SURF, MICR CARB, MICR MIC, MOD FRM. OCC DK GY MNR SHLY CLYST, MOD FRM.	NF
4990 -	5020	20 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, FISS, MICR MIC, MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, OCC PLTY, EARTHY SURF, MICR CARB, MICR MIC, MOD FRM. ACC : CARB, MIC, DOL, MASS PYR.	
5020 -	5050	20 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, FISS, MICR MIC, MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB MAT, OCC LAM CARB, MICR MIC, SM SURF, MOD FRM, SOME SFT.	
		10 DOL	BN, LT BN, MNR BEIGE, BLKY, NON CALC, MICR CARB MAT INCL, CONCH FRACT, MOD HD-HD.	
5050 -	5080	20 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, FISS, LAM, MICR MIC, MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB MAT, OCC CARB LAM, MICR MIC, SM SURF, MOD FRM, SOME SFT.	
5080 -	5140	20 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, FISS, LAM, MICR MIC, MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB MAT, OCC CARB LAM, MICR MIC, SM SURF, MOD FRM, SOME SFT. ACC : MIC, CARB, DOL, MASS PYR.	
5140 -	5230	20 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, FISS, LAM, SL SPLTY, MICR MIC, MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB MAT, OCC LAM CARB, MICR MIC, SM SURF, MOD FRM, SOME SFT.	
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT, GRDG TO VF SS, SFT-MOD FRM.	
		10 DOL	BN, LT BN, BLKY, NON CALC, FEW SL CALC, MICR CARB MAT, CONCH FRACT, SL EARTHY SURF, HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
5230 -	5260	10 SH	GY, SL DK GY, SB PLTY/PLTY, SPLTY, FISS, NON CALC, MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SL BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, MICR CARB, EARTHY SURF, SFT-MOD FRM.	
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, MICR CARB TO V CARB SFT-MOD FRM. ACC : MICR CARB, CALC.	
5260 -	5290	20 SH	GY, SL DK GY, SB PLTY/PLTY, FISS, SPLTY, NON CALC, MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SL BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, MICR CARB, OCC DUSTY BRI PYR SCAT, SFT-MOD FRM.	
		10 SLTST	GY, LT GY, WH'SH GY, BLKY/SB BLKY, GRDG TO VF SS MICR CARB MAT, MICR MIC, SFT-MOD FRM.	
5290 -	5320	10 SH	GY, SL DK GY, SB PLTY/PLTY, NON CALC, MICR CARB, FISS, SL SPLTY, MOD FRM.	NF
		80 CLYST	GY, LT GY, SL BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, MICR CARB, OCC DUSTY BRI PYR SCAT, SFT-MOD FRM.	
		10 SLTST	GY, LT GY, WH'SH GY, BLKY/SB BLKY, GRDG TO VF SS MICR CARB MAT, MICR MIC, SFT-MOD FRM.	
5320 -	5350	10 SH	GY, SL DK GY, SB PLTY/PLTY, NON CALC, MICR CARB, FISS, SL SPLTY, MOD FRM.	NF
		80 CLYST	GY, LT GY, SL BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, MICR CARB, OCC DUSTY BRI PYR SCAT, SFT-MOD FRM.	
		10 DOL	BN, LT BN, SOME BEIGE, BLKY, NON CALC, MICR CARB INCL, CONCH FRACT, HD.	
5350 -	5380	90 CLYST	GY, LT GY, SOME SL BN'SH, SB BLKY/SB PLTY, MICR MIC MICR CARB, SL CALC, MOD FRM.	NF
		10 DOL	BN, LT BN, SOME BEIGE, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
5380 -	5410	10 SH	GY, SL DK GY, PLTY-LAM, FISS, SL SPLTY, NON CALC, MICR CARB MAT, MOD FRM.	NF
		70 CLYST	GY, LT GY, SOME SL BN'SH, SB BLKY/SB PLTY, SL CALC MICR CARB, MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, WH'SH GY, BLKY/SB BLKY, GRDG TO VF SS MICR CARB MAT, SOME V CARB, MICR MIC, SFT-MOD FRM.	
		10 DOL	BN, LT BN, SOME BEIGE, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
5410 -	5440	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, FEW PLTY, NON CALC, MICR CARB, OCC LAM CARB, MICR MIC, MOD FRM.	NF
		20 SLTST	GY, LT GY, WH'SH GY, BLKY/SB BLKY, GRDG TO VF SS	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 DOL	MICR CARB MAT, MICR MIC, SFT-MOD FRM. BN, LT BN, FEW TAN, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
5440 -	5470	90 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR CARB, MICR MIC, EARTHY SURF, MOD FRM. OCC SHLY CLYST SL DK GY, MOD FRM.	NF
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, GRDG TO VF SS CARB MAT INCL, MICR MIC, SFT IN PT, MOD FRM.	
5470 -	5500	90 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR CARB, MICR MIC, EARTHY SURF, MOD FRM. OCC SHLY CLYST SL DK GY, MOD FRM.	NF
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, GRDG TO VF SS V CARB IN PT, MICR MIC, OCC V SFT, MOD FRM.	
5500 -	5560	90 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM. OCC SHLY CLYST, SL DK GY, MOD FRM.	NF
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
5560 -	5590	10 SH	GY, DK GY, PLTY/SB PLTY, LAM, FISS, NON CALC, MNR SPLTY, MICR CARB, OCC MICR MIC, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR CARB, MICR MIC, MOD FRM. OCC SHLY CLYST, MOD FRM.	
		10 DOL	BN, LT BN, FEW TAN, BLKY, SL-NON CALC, MICR CARB MAT INCL, CONCH FRACT. HD.	
5590 -	5620	10 SH	GY, DK GY, PLTY/SB PLTY, FISS, LAM, SL SPLTY, NON CALC, MICR CARB, OCC MICR MIC, MOD FRM.	NF
		90 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR CARB, MICR MIC, MOD FRM.	
5620 -	5680	20 SH	GY, DK GY, PLTY/SB PLTY, FISS, LAM, MNR SPLTY, NON CALC, MICR CARB, OCC MICR MIC, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/BLKY, NON CALC, MICR CARB, MICR MIC, MOD FRM. OCC SHLY CLYST, MOD FRM.	
5680 -	5710	10 SH	GY, SL DK GY, PLTY/SB PLTY, FISS, LAM, NON CALC, MICR CARB, MICR MIC, MOD FRM.	NF
		80 CLYST	GY, LT GY, SOME BN'SH GY, SB BLKY/SB PLTY, SL NON CALC, MICR CARB MAT INCL, MICR MIC, OCC DUSTY PYR SCAT, SOME EARTHY SURF, SM SURF, SFT-MOD FRM.	
		10 DOL	BEIGE, SOME BN'SH, BLKY, NON CALC, CONCH FRACT, MICR CARB, HD.	
5710 -	5770	80 CLYST	GY, LT GY, SOME BN'SH, SB BLKY/SB PLTY, SL NON CALC, MICR CARB MAT INCL, MICR MIC, OCC DUSTY PYR SCAT, SOME EARTHY SURF, SM SURF, SFT-MOD FRM.	NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, MICR MIC, MICR CARB SOME SL V CARB, MNR GRDG TO VF SS, SFT-MOD FRM.	
		10 DOL	BEIGE, SOME BN'SH, BLKY, NON CALC, HD	
5770 -	5800	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL NON CALC, MICR CARB MAT INCL, MICR MIC, SM SURF, SFT-MOD FRM. OCC SHLY CLYST.	NF
		10 DOL	BEIGE, SOME BN'SH, BLKY, NON CALC, CONCH FRACT, ,MICR CARB, HD TO V HD.	
5800 -	5830	80 CLYST	GY, LT GY, SOME BN'SH, SB BLKY/SB PLTY, SL NON CALC, MICR CARB MAT INCL, MICR MIC, OCC DUSTY PYR SCAT, SOME EARTHY SURF, SM SURF, SFT-MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, MICR MIC, MICR CARB SOME V CARB, MNR GRDG TO VF SS, SFT-MOD FRM.	
		10 DOL	BEIGE, SOME BN'SH, BLKY, NON CALC, CONCH FRACT, MICR CARB, HD TO V HD.	
5830 -	5860	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB, MNR MICR MIC, SM SURF, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, MICR MIC, MICR CARB SOME V CARB, MNR GRDG TO VF SS, SFT-MOD FRM.	
		10 DOL	TAN, FEW SL BN'SH, BLKY, CONCH FRACT, NON CALC SL MICR CARB, HD.	
5860 -	5890	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB, MNR MICR MIC, SM SURF, MOD FRM.	NF
		10 SLTST	GY, LT GY, SB BLKY, SL CALC, MICR MIC, MICR CARB SOME V CARB, MNR GRDG TO VF SS, SFT-MOD FRM.	
		10 DOL	TAN, FEW SL BN'SH, BLKY, CONCH FRACT, NON CALC SL MICR CARB, HD.	
5890 -	5920	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB, MNR MICR MIC, SM SURF, MOD FRM.	NF
		10 SLTST	GY, WHSH GY, SB BLKY, SL CALC, MICR MIC, MICR CARB MNR GRDG TO VF SS, SFT-MOD FRM.	
5920 -	5950	100 CLYST	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR CARB, MICR MIC, MOD FRM.OCC SHLY CLYST	NF
5950 -	5980	90 CLYTS	GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, NON CALC SL MICR CARB, MICR MIC, MOD FRM.OCC SHLY CLYST	NF
		10 SLTST	GY, WHSH GY, SB BLKY, SL CALC, MICR MIC, MICR CARB MNR GRDG TO VF SS, SFT-MOD FRM.	
5980 -	6000	100 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY PYR SCAT, MICR CARB MAT INCL, MNR MICR MIC, OCC SFT, MOD FRM.	NF



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
6000 -	6010	90 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY PYR SCAT, MICR CARB MAT INCL, MNR MICR MIC, OCC SFT, MOD FRM.	NF
	10	DOL	TAN, BN'SH, BLKY, CONCH FRACT, NON CALC, SL MICR CARB, HD.	
6010 -	6020	80 CLYST	GY, LT GY, OCC DK GY, SB BLKY/SB PLTY, NON CALC, DUSTY PYR SCAT IN PT, MICR CARB MAT INCL, MNR MICR MIC, SFT, MOD FRM.	NF
	10	SLTST	GY, WH'SH GY, SB BLKY, SL CALC, MICR MIC, MICR CARB MNR GRDG TO VF SS, SFT-MOD FRM.	
	10	DOL	TAN, BN'SH, BLKY, CONCH FRACT, NON CALC, SL MICR CARB, HD.	
6020 -	6050	80 CLYST	GY, LT GY, OCC DK GY, SB BLKY/SB PLTY, NON CALC, DUSTY PYR SCAT IN PT, MICR CARB MAT INCL, MNR MICR MIC, SFT, MOD FRM.	NF
	10	SLTST	GY, LT GY, WH'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM TO HD.	
	10	SS	GY, WH'SH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
6050 -	6060	70 CLYST	GY, LT GY, OCC DK GY, SB BLKY/SB PLTY, NON CALC, DUSTY PYR SCAT IN PT, MICR CARB MAT INCL, MNR MICR MIC, SFT, MOD FRM.	NF
	10	SLTST	GY, LT GY, WH'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
	10	SS	GY, WH'SH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
	10	DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, SL MICR CARB, HD.	
6060 -	6070	80 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY PYR SCAT IN PT, SL MICR CARB MAT INCL, MICR MIC, MOD FRM. OCC SHLY CLYST, DK GY.	NF
	10	SLTST	GY, LT GY, WH'SH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM TO HD.	
	10	SS	GY, WH'SH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P	



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			VIS POR.	
6070 -	6090	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB SL MICR MIC, MOD FRM.	NF
	10	SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, SME V TIGHT IN PT, GRDG TO VF IN PT, MOD FRM.	
	10	DOL	BN, LT BN, SOME BEIGE, BLKY, NONCALC, CONCH FRACT, SL MICR CARB, HD	
6090 -	6100	80 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY PYR SCAT IN PT, SL MICR CARB MAT INCL, MICR MIC, MOD FRM. OCC SHLY CLYST, DK GY.	NF
	10	SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
	10	SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
6100 -	6110	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MAT, MICR MIC, MOD FRM.	NF
	10	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB, MICR MIC, GRDG TO VF SS. MOD FRM.	
6110 -	6140	80 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, OCC DUSTY PYR SCAT IN PT, SL MICR CARB MAT INCL, MICR MIC, MOD FRM. OCC SHLY CLYST, DK GY.	NF
	10	SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
	10	SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR	
6140 -	6150	90 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT, MNR MICR MIC, INCL, MOD FRM. OCC SHLY CLYST, DK GY.	N.F
	10	SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
6150 -	6180	30 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, LAM, FISS MNR SPLTY, OCC MICR CARB, MOD FRM.	N.F
	50	CYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT, MNR MICR MIC, INCL, MOD FRM. OCC SHLY CLYST, DK GY.	



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
6180 -	6190	30 SH	GY, SL DK GY, PLTY/SB PLTY, NON CALC, LAM, FISS MNR SPLTY, OCC MICR CARB, MOD FRM.	N.F
		60 CLYST	GY, LT GY, SL GN'SH GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT, MNR MICR MIC, INCL, MOD FRM. OCC SHLY CLYST, DK GY.	
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
6190 -	6210	30 SH	GY, SL DK GY, PLTY, NON CALC, LAM, FISS, MNR SPLTY OCC MICR CARB, SL MICR MIC, MOD FRM.	N.F
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MNR MICR MIC, MOD FRM. OCC SHLY CLYST MOD FRM. OCC SHLY CLYST, DK GY.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, SL MICR CARB MAT INCL, SL EARTHY SURF.	
6210 -	6220	20 SH	GY, SL DKGY, PLTY, LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	N.F
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MNR MICR MIC, MOD FRM. OCC SHLY CLYST MOD FRM. OCC SHLY CLYST, DK GY.	
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, V P VIS POR.	
6220 -	6230	30 SH	GY, SL DKGY, PLTY, LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	N.F
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB	



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GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	MAT INCL, MNR MICR MIC, MOD FRM. OCC SHLY CLYST GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, ARG MTX IN PT, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, V HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY, NON CALC, CONCH FRACT, MICR CARB MAT INCL, OCC MICR MIC, HD.	
6230 -	6240	20 SH	GY, SL DKGY, MNR DK GY, PLTY, LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	N F
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, MOD FRM. OCC SHLY CLYST SL DK GY, LAM, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, ARG MTX IN PT, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, P VIS POR.	
6240 -	6250	10 SH	GY, SL DKGY, MNR DK GY, PLTY, LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	N F
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, OCC DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
		10 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, ARG MTX IN PT, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY, NON CALC, CONCH FRACT, SL MICR CARB MAT INCL, HD.	
6250 -	6270	10 SH	GY, SL DKGY, MNR DK GY, PLTY, LAM, FISS, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	N F
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, MOD FRM.	
		20 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.	
6270 -	6280	10 SH	GY, SL DKGY, MNR DK GY, PLTY, LAM, FISS, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5 YELL DULL FL MOD SLOW CUT



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, OCC DUSTY PYR SCAT, MOD FRM.		P.O.S.
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM.		
		20 SS	GY, WHSH GY, SOME SMOKY WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, ARG MTX IN PT, W/ GN'SH MNRL, MICR CARB, GLAU IN PT, HD, P VIS POR. NOTE : MUD SAMPLE TAKEN @ 6280' W/P.O.S.		
6280 -	6290	20 SH	GY, SL DKGY, MNR DK GY, PLTY, LAM, FISS, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5-15	YELL DULL FL MOD SLOW CUT P.O.S.
		50 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, EARTHY SURF IN PT, MOD FRM.		
		10 SLTST	GY, LT GY, WHSH GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, V TIGHT IN PT, GRDG TO VF SS MOD FRM		
		20 SS	GY, WHSH GY, LT GY, WH, QTZOSE, 100%VF-F GRAINED SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, ARG MTX IN PT, W/ GN'SH MNRL, MICR CARB, MICR MIC IN PT, HD, P VIS POR.		
6290 -	6300	20 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR CARB MAT, MOD FRM.	15	YELL DULL FL MOD SLOW CUT P.O.S.
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MAT INCL, MICR MIC, EARTHY SURF IN PT, OCC DUSTY PYR SCAT, MOD FRM. SHLY CLYST IN PT, LAM, MOD FRM.		
		20 SS	GY, WHSH GY, LT GY, WH, QTZOSE, 100%VF-F GRAINED SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/GN'SH MNRL, MICR CARB, MICR MIC, HD, P VIS POR.		
		10 SD	WH, HY, MNR MLKY WH, 70%VF-F, 30%M, SB ANG/SB RND FR SRTD, MOD CLEAN. NOTE : MUD SAMPLE TAKEN @ 6306' W/P.O.S.		
6300 -	6310	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR CARB MAT, SL MICR MIC, SM SURF, MOD FRM	15 - 30	YELL TO PALE YELL FL. MOD SLOW CUT. P-FR O.S.
		30 SS	GY, WHSH GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX IN PT, ARG MTX W/ GN'SH MNRL, MICR CARB, SL MICR MIC, HD, P VIS POR.		
		10 SD	WH, SMOKY WH, HY, QTZ, 60%VF-F, 40 %F-M, SB ANG/SB SB RND, FR SRTD, CLEAN.		
6310 -	6320	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR CARB MAT, SL MICR MIC, SM SURF, MOD FRM. OCC SHLY.	15	YELL TO PALE YELL FL. MOD SLOW CUT. P-FR O.S.
		30 SS	GY, WHSH GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX IN PT, ARG MTX W/ GN'SH MNRL, MICR CARB, SL MICR MIC, HD, P VIS POR.		
		10 SD	WH, SMOKY WH, HY, QTZ, 60%VF-F, 40 %F-M, SB ANG/SB		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT	
			SB RND, FR SRTD, CLEAN.			
6320 -	6330	50	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR	15 - 30	YELL TO PALE YELL
			CARB MAT, SL MICR MIC, SM SURF, MOD FRM		FL. MOD SLOW CUT.	
		10	SLTST	GY, LT GY, WH'SH GY, SB BLKYBLKY, SL CALC, MICR MIC,		P-FR O S.
			MICR CARB, V TIGHT IN PT, GRDG TO VF SS, MOD FRM.			
		30	SS	GY, WH'SH GY, SL WH'SH, QTZOSE, 90%F, 10%M, GRAINED,		
			SB ANG/SB RND, W SRTD, CALC CMT, SLTY SS, W/ MICR			
			CARB INCL, GN'SH MNRL INCL, FRI - LSE IN PT, SL HD, P			
			FR VIS POR.			
		10	SD	WH, HY, MNR SMOKY WH, 90%F, 10%M GRAINED, SB ANG/		
			SB RND, W SRTD, CLEAN.			
6330 -	6340	30	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR	15 - 30	YELL TO PALE YELL
			CARB MAT, SL MICR MIC, SM SURF, MOD FRM		FL. MOD SLOW CUT.	
		20	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL,		P-FR O S.
			GRDG TO VF SS, MOD FRM.			
		20	SS	GY, LT GY, WH'SH GY, QTZOSE, 90%F, 10%M GRAINED, SB		
			ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/ CARB MAT			
			INCL, GLAU, LITHICS, FRI IN PT, MOD HD, P VIS POR.			
		30	SD	WH, HY, TRANSL, SOME GN'SH GRAINS, QTZ, 70%VF-F, 20%		
			M, 10%C, SOME GRANULES TO PBLY, SB ANG/SB RND, P-FR			
			SRTD, CLEAN.			
			NOTE : MUD SAMPLE TAKEN @ 6340' V. P. O. S.			
6340 -	6350	80	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC	5	YELL TO PALE YELL
			SM SURF, MOD FRM.		FL. SL SLOW CUT.	
		10	SS	GY, LT GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/		P-FR O S.
			SB RND, W SRTD, CALC CMT, ARG MTX, W/ CARB MAT			
			INCL, GLAU, LITHICS, MOD HD, P VIS POR.			
		10	SD	WH, HY, TRANSL, SOME GN'SH GRAINS, QTZ, 80%VF-F, 10%		
			M, 10%C, SOME GRANULES TO PBLY, SB ANG/SB RND, FR			
			SRTD, CLEAN.			
6350 -	6360	80	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC	5	YELL TO PALE YELL
			SM SURF, MOD FRM.		FL. SL SLOW CUT.	
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL,		P-FR O S.
			OCC GRDG TO VF SS, MOD FRM.			
		10	SS	GY, LT GY, WH'SH GY, QTZOSE, 100%F GRAINED, SB ANG/		
			SB RND, W SRTD, CALC CMT, ARG MTX, W/ CARB MAT			
			INCL, GLAU, LITHICS, MOD HD, P VIS POR.			
6360 -	6370	40	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC	15 - 30	YELL TO PALE YELL
			MICR CARB, SM SURF, MOD FRM.		FL. MOD SLOW CUT.	
		10	SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, VN MICR CARB MAT		P-FR O S.
			MOD FRM.			
		20	SS	GY, LT GY, WH'SH GY, QTZOSE, 100% F GRAINED, SB ANG/		
			SB RND, W SRTD, CALC CMT, ARG MTX, W/ DK GRS, GN'SH			



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		20 SD	MNRL INCL, GLAU, SL TT, MOD HD, P VIS POR. WH, HY, MNR SMOKY WH, QTZ, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CLEAN.		
		10 DOL	BEIGE, BLKY, CONCH FRACT, SL - NON CALC, MCR CARB INCL, MOD HD TO HD. NOTE : MUD SAMPLE @ 6370' NO OIL SHOWS , NO CUT.		
6370 -	6380	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC MICR CARB, SM SURF, OCC DUSTY BRI PYR SCAT, MOD FRM.	5	YELL TO PALE YELL FL. MOD SLOW CUT.
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100% F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, W/ DK GRS, GN'SH MNRL INCL, GLAU, SL TT IN PT, MOD HD, P VIS POR.		P-FR O S.
		10 SD	WH, HY, SL TRANSL, QTZ, 100% VF-F GRAINED, OCC M GRS SB ANG/SB RND, W SRTD, CLEAN.		
6380 -	6390	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB INCL, MNR MICR MIC, OCC EARTHY SURF, MOD FRM.	5	YELL TO PALE YELL FL. MOD SLOW CUT.
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, MICR CARB MAT MOD FRM.		P-FR O S.
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100% F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		
		10 SD	WH, HY, SL TRANSL, QTZ, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CLEAN.		
6390 -	6400	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB INCL, MNR MICR MIC, OCC EARTHY SURF, MOD FRM.	5	YELL TO PALE YELL FL. MOD SLOW CUT.
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 100% F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		P-FR O S.
6400 -	6410	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MIC EARTHY SURF IN PT, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, MICR CARB MAT MOD FRM.		
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SLTY IN PT, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		
6410 -	6420	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MIC EARTHY SURF IN PT, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, MICR CARB MAT MOD FRM.		
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SLTY IN PT, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		
6420 -	6430	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MIC		NF



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT	
			IN PT, MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, MICR CARB MAT MOD FRM.		
	10	DOL	BN, LT BN, BLKY, CONH FRACT, NON CALC, MICR CARB MAT INCL, EARTHY SURF IN PT, MOD HD.		
6430 -	6440	60	CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR MIC, OCC SL DUSTY PYR SCAT, MOD FRM.	N F
	20	SLTST	GY, LT GY, BLKY, SL CALC, MICR MIC, MICR CARB MAT MOD FRM.		
	10	SS	GY, LT GY, WH'SH GY, QTZOSE, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SLTY IN PT, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		
	10	DOL	BN, LT BN, BLKY, CONH FRACT, NON CALC, MICR CARB MAT INCL, EARTHY SURF IN PT, HD.		
6440 -	6450	70	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC SL MICR CARB, OCC V CARB, MOD FRM.	N F
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT INCL, SL MICR MIC, SOME TT, MOD FRM.		
	10	SS	GY, WH'SH GY, LT GY, QTZOSE, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, SLTY MTX, W/ DK GRS, GN'SH MNRL INCL, MICR CARB, MIC, MOD HD, P VIS POR.		
	10	DOL	BN, LT BN, BLKY, SL - NON CALC, CONCH FRACT, EARTHY SURF IN PT, MICR CARB, HD.		
6450 -	6460	80	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC MICR CARB, MOD FRM.	N F
	10	SLTST	GY, LT GY, BLKY, MICR CARB INCL, SL MICR MIC, TT IN PT, MOD FRM.		
	10	SS	GY, LT GY, OCC WH'SH, QTZOSE, 100% VF-F GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, SLTY MTX, W/ FEW VN MICR CARB MAT INCL, SOME GN'SH MNRL INCL, MIC, MOD HD, P VIS POR.		
6460 -	6470	90	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC MICR CARB, MOD FRM.	N F
	10	SLTST	GY, LT GY, BLKY, MICR CARB INCL, SL MICR MIC, TT IN PT, MOD FRM.		
6470 -	6480	90	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC MICR CARB, MOD FRM.	N F
	10	SLTST	GY, LT GY, BLKY, MICR CARB INCL, SL MICR MIC, TT IN PT, MOD FRM.		
6480 -	6490	70	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, SL MICR MIC MICR CARB, MOD FRM. OCC SHLY CLYST.	N F
	10	SLTST	GY, LT GY, BLKY, MICR CARB INCL, SL MICR MIC, TT		



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT	
			IN PT, MOD FRM.		
	10	SS	GY, WH'SH GY, DIRTY SS, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS, SL FRI - MOD HD.		
	10	DOL	BN, LT BN, BLKY, SL - NON CALC, CONCH FRACT, EARTHY SURF IN PT, MICR CARB, HD.		
6490 -	6500	80	CLYST	GY, SL DK GY, BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, MICR CARB INCL, SL MICR MIC, TT IN PT, MOD FRM.		
	10	DOL	BN, LT BN, BLKY, SL - NON CALC, CONCH FRACT, SL MICR CARB, HD.		
6500 -	6520	90	CLYST	GY, SL DK GY, BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, NON CALC, MICR CARB MAT, MOD FRM.		
6520 -	6530	90	CLYST	GY, SL DK GY, BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, NON CALC, MICR CARB MAT, MOD FRM.		
6530 -	6540	80	CLYST	GY, SL DK GY, BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, NON CALC, MICR CARB MAT, MOD FRM.		
	10	SS	GY, WH'SH GY, DIRTY SS, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS, MOD HD.		
6540 -	6550	70	CLYST	GY, SL DK GY, BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, NON CALC, MICR CARB MAT, MOD FRM.		
	10	SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.		
	10	DOL	BEIGE, BN, LT BN, BLKY, SL CALC, MICR CARB, CONCH FRACT, HD.		
6550 -	6560	90	CLYST	GY, SL DK GY, BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, MOD FRM.	NF
	10	SLTST	GY, LT GY, BLKY, SL CALC, SOME MICR CARB INCL, TT IN PT, MOD FRM.		
6560 -	6570	80	CLYST	GY, SL DK GY, BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, MOD FRM.	NF



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, BLKY, SL CALC, SOME MICR CARB INCL, TT IN PT, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.	
6570 -	6580	70 CLYST	GY, LT GY, SL DK GY, MNR BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, SOME MICR CARB INCL, TT IN PT, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.	
		10 DOL	BEIGE, BN, LT BN, BLKY, SL CALC, MICR CARB, CONCH FRACT, HD.	
6580 -	6590	80 CLYST	GY, LT GY, SL DK GY, OCC BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.	
6590 -	6610	70 CLYST	GY, LT GY, SL DK GY, OCC BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD FRM.	NF
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.	
6610 -	6620	70 CLYST	GY, LT GY, OCC BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.	
		10 SD	WH, HY, QTZ, 100%VF-F GRAINED, OCC M GRAINED, SB ANG/SB RND, W SRTD, CLEAN.	
6620 -	6630	60 CLYST	GY, LT GY, OCC BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD	5 YELL TO PALE YELL



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			FRM.		P CUT
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.		
	20	SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.		
	10	SD	WH, HY, QTZ, 100%VF-F GRAINED, OCC M GRAINED, SB ANG/SB RND, W SRTD, CLEAN.		
6630 -	6640	60	CLYST		NF
			GY, LT GY, OCC BN'SH GY, SB PLTY/PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM. SHLY CLYST, DK GY, LAM, MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.		
	20	SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS MOD HD.		
	10	DOL	BEIGE, BN, LT BN, BLKY, CONCH FRACT, NONCALC, MICR CARB, MOD HD TO HD. ACC : MASS PYR, CALC, CARB.		
6640 -	6670	80	CLYST		NF
			GY, LT GY, BN'SH GY, SB BLKY/SB SB PLTY, MNR PLTY, NON CALC, MICR MIC, MICR CARB, SM SURF, SFT - MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC GRDG TO VF SS, MOD FRM.		
	10	DOL	BEIGE, LT BN, BLKY, NON CALC, CONCH FRACT, SL MICR CARB, HD. ACC : CARB, CALC, MIC.		
6670 -	6680	70	CLYST	5	YELL TO PALE SLOW CUT.
			GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, MNR PLTY NON CALC, MICR MIC, MICR CARB, SM SURF, SFT-MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC GRDG TO VF SS, MOD FRM.		
	20	SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS TT IN PT, MOD HD, P VIS POR.		
6680 -	6690	70	CLYST		NF
			GY, LT GY, OCC BN'SH GY, SB BLKY/SB PLTY, MNR PLTY NON CALC, MICR MIC, MICR CARB, SM SURF, SFT-MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC GRDG TO VF SS, TT IN PT, MOD FRM.		
	20	SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS TT IN PT, MOD HD, P VIS POR.		
6690 -	6710	90	CLYST		NF
			GY, LT GY, SOME SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, SM SURF, SFT-MOD FRM.		
	10	SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC GRDG TO VF SS, TT IN PT, MOD FRM.		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
ACC : CALC, CARB, MYLONITE.				
6710 -	6720	80 CLYST	GY, LT GY, SOME SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, SM SURF, SFT-MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC GRDG TO VF SS, TT IN PT, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRS, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MIC, CARB MAT, DK LITHICS TT IN PT, MOD HD, P VIS POR.	
6720 -	6740	70 CLYST	GY, LT GY, SL DK GY, BN'SH GY IN PT, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, SM SURF, MOD FRM.	NF
		20 SS	GY, LTGY, GY'SH, DIRTY SS 100%VF-F GRAINED, OCC M GRS, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/ MIC CARB MAT, MOD HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, OCC V CARB, HD.	
6740 -	6750	20 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		50 CLYST	GY, LT GY, MNR SL DK GY, SB BLKY/SB PLTY, SL NON CALC MICR MIC, MICR CARB, SM SURF, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 SS	GY, LTGY, GY'SH, 100%VF-F GRAINED, SB ANG/SB RND W SRTD SL CALC CMT, ARG MTX, W/ MIC, CARB MAT, MOD HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, OCC V CARB, HD. ACC : CARB, CALC, MILLONITE	
6750 -	6760	10 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		70 CLYST	GY, LT GY, SOME SL DK GY, BN'SH GY IN PT, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, HD.	
6760 -	6770	80 CLYST	GY, LT GY, SOME SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 SS	GY, LTGY, GY'SH, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, ARG MTX, W/ MIC, CARB MAT, MOD HD, P VIS POR.	



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
6770 -	6790	80 CLYST	GY, LT GY, MNR SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6790 -	6810	20 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		70 CLYST	GY, LT GY, SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
6810 -	6820	20 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		60 CLYST	GY, LT GY, SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6820 -	6840	10 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		70 CLYST	GY, LT GY, SL DK GY, OCC BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6840 -	6850	20 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, OCC DUSTY PYR SCAT, MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		70 CLYST	GY, LT GY, SL DK GY, FEW BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6850 -	6860	30 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, OCC SPLTY PYR SCAT, MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		60 CLYST	GY, LT GY, SL DK GY, FEW BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6860 -	6870	30 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, OCC DUSTY PYR SCAT, MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		70 CLYST	GY, LT GY, SL DK GY, FEW BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
6870 -	6880	20 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SOME DUSTY PYR SCAT, MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		60 CLYST	GY, LT GY, SL DK GY, FEW BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD.	
6880 -	6890	40 SH	GY, SL DK GY, PLTY, LAM, FISS, NON CALC, SL MICR CARB MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		40 CLYST	GY, LT GY, SL DK GY, FEW BN'SH GY, SB BLKY/SB PLTY NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, CARB MAT INCL, HD. ACC : MASS CALC, CARB.	
6890 -	6900	60 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		30 CLYST	GY, LT GY, FEW BN'SH GY, SB BLKY/SB PLTY, NON CALC MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
6900 -	6910	70 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		20 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
6910 -	6920	40 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		20 DOL	BN, LT BN, OCC BEIGE, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, HD.	
6920 -	6930	80 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY BRI PYR SCAT, MOD FRM.	NF
		10 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 DOL	BN, LT BN, OCC BEIGE, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, HD.	
6930 -	6940	70 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		20 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, OCC BEIGE, BLKY, CONCH FRACT, NON CALC, CARB MAT INCL, HD.	
6940 -	6960	40 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		50 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, MICR CARB INCL, HD.	
6960 -	6970	40 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, MICR CARB INCL, HD.	
6970 -	6980	20 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MNR SFT - MOD FRM.	
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, NON CALC, MICR CARB INCL, HD.	
6980 -	6990	60 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY PYR SCAT, MOD FRM.	NF
		30 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
6990 -	7000	20 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
7000 -	7010	10 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
7010 -	7020	20 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
7020 -	7030	20 SH	GY, DK GY, PLTY, LAM, FISS, NON CALC, SL MICR MIC SL MICR CARB MAT INCL, OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 DOL	BN, LT BN, FEW BEIGE, BLKY, CONCH FRACT, NON CALC, MICR CARB, HD.	
7030 -	7050	40 SH	GY, SL DK GY, PLTY, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM. SLTY CLY IN PT.	
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM. ACC : ABNT CALC, GLAU, MASS PYR.	
7050 -	7060	40 SH	GY, SL DK GY, PLTY, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, DUSTY PYR SCAT IN PT, MOD FRM.	NF
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM. SLTY CLY IN PT.	
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC FEW SFT - MOD FRM.	
		10 SS	GY, LTGY, GY'SH, 100%VF-F GRAINED, SB ANG/SB RND W SRTD SL CALC CMT, ARG MTX, W/ MIC, CARB MAT, MOD HD, P VIS POR.	
7060 -	7070	30 SH	GY, SL DK GY, PLTY, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		20 SS	GY, WH'SH GY, 100%VF-F GRAINED, W SRTD, SB ANG/SB RND SL CALC CMT, ARG MTX, SLTY MTX IN PT, W/ MICR CARB INCL, SL MICR MIC, SOME DK MNRL INCL, MOD HD, P VIS POR	
7070 -	7090	20 SH	GY, SL DK GY, PLTY, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		50 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, MICR CARB, MOD FRM.	
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MICR CARB, SOME DK MNRL INCL, MOD HD, P VIS POR.	
7090 -	7100	10 SH	GY, SL DK GY, PLTY, FISS, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, MICR CARB, MOD FRM.	
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB INCL, SL MICR MIC, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MICR CARB, SOME DK MNRL INCL, MOD HD, P VIS POR.	
7100 -	7110	20 SH	GY, DK GY, PLTY, LAM, FISS, OCC EARTHY SURF, NON CALC, SL MICR CARB IN PT, MOD FRM.	NF
		40 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, OCC V MICR MIC, MOD FRM.	
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		20 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MICR CARB, SOME DK MNRL INCL, MOD HD, P VIS POR.	
7110 -	7130	10 SH	GY, DK GY, PLTY, LAM, FISS, OCC DUSTY PYR SCAT, NON CALC, SL MICR CARB IN PT, MOD FRM.	NF
		50 CLYST	GY, LT GY, MNR BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, OCC MICR MIC, MOD FRM.	
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MICR CARB, SOME DK MNRL INCL, MOD HD, P VIS POR.	
		10 DOL	TAN, MNR LT BN, BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
7130 -	7140	60 CLYST	GY,LT GY, MNR BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, OCC V MICR MIC, MOD FRM. SLTY CLY IN PT.	NF
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 SS	GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MICR CARB, SOME DK MNRL INCL, MOD HD, P VIS POR.	
		10 DOL	TAN, MNR LT BN, BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, HD. ACC : ABNT CALC, CARB	
7140 -	7150	10 SH	GY, DK GY, PLTY, LAM, FISS, OCC DUSTY PYR SCAT, NON CALC, SL MICR CARB IN PT, MOD FRM.	NF
		60 CLYST	GY,LT GY, FEW BN'SH GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, MOD FRM.	
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 DOL	TAN, MNR LT BN, BLKY, NON CALC, CONCH FRACT, OCC MICR CARB IN PT, HD.	
7150 -	7170	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SM SURF, MICR CARB, MICR MIC, OCC DUSTY BRI PYR SCAT, SOME SFT - MOD FRM.	NF
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, ARG MTX, SLTY MTX IN PT, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR	
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 DOL	BN, LT BN, FEW TAN, BLKY, NON CALC, CONCH FRACT, MICR CARB IN PT, HD.	
7170 -	7180	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SM SURF, MICR CARB, MICR MIC, OCC DUSTY BRI PYR SCAT, SOME SFT - MOD FRM.	NF
		20 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR	
7180 -	7190	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SM SURF, MICR CARB, MICR MIC, SOME SFT, MOD FRM.	NF
		10 SLTST	GY, LT GY, WH'SH GY, BLKY, SL CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 DOL	BN, LT BN, FEW TAN, BLKY, NON CALC, CONCH FRACT, MICR CARB IN PT, HD.	
7190 -	7200	10 SH	GY, DK GY, PLTY/SBPLTY, NON CALC, FISS, LAM, DUSTY	NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT	
			PYR SCAT IN PT, SL MICR CARB, FRM.		
	50	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SM SURF, MICR CARB, MICR MIC, MOD FRM.		
	20	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
	10	SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR		
	10	DOL	BN, LT BN, BLKY, NON CALC, EARTHY SURF IN PT, CONCH FRACT, SL MICR CARB, HD.		
7200 -	7210	80	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, SM SURF, MICR CARB MICR MIC, MOD FRM.	NF
	10	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
	10	SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR		
7210 -	7220	70	CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SM SURF, MICR CARB, MICR MIC, MOD FRM.	NF
	10	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
	10	SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, ARG MTX IN PT, W/MICR CARB, MICR MIC, DK MNRL INCL, OCC TT MOD HD, P VIS POR.		
	10	DOL	BN, LT BN, BLKY, NON CALC, EARTHY SURF IN PT, CONCH FRACT, SL MICR CARB, HD.		
7220 -	7240	70	CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, MOD FRM.	NF
	20	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
	10	DOL	BN, LT BN, BLKY, NON CALC, EARTHY SURF IN PT, CONCH FRACT, SL MICR CARB, HD.		
7240 -	7260	60	CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, OCC DUSTY PYR SCAT, MOD FRM.	NF
	20	SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
	10	SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
	10	DOL	BN, LT BN, BLKY, NON CALC, EARTHY SURF IN PT, CONCH FRACT, SL MICR CARB, HD.		
7260 -	7270	70	CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB,	NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		20 SLTST	MICR MIC, FEW DUSTY PYR SCAT, MOD FRM. GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB MAT SL MICR MIC, MOD FRM.		
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, ARG MTX IN PT, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
7270 -	7280	50 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, MOD FRM.		NF
		20 SLTST	GY, LT GY, FEW SL DK GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, SOME SFT, MOD FRM.		
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, ARG MTX IN PT, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
		10 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, SL DUSTY PYR SCAT SL MICR CARB IN PT, MOD FRM. ACC : ABNT CALC, CARB.		
7280 -	7290	10 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, SL DUSTY PYR SCAT SL MICR CARB IN PT, MOD FRM.		NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, MOD FRM.		
		10 SLTST	GY, LT GY, FEW SL DK GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, SOME SFT, MOD FRM.		
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MICR CARB MICR MIC, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.		
7290 -	7300	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, MOD FRM.	5	YELL GOLDEN FL SL MOD CUT. P. O. S.
		10 SLTST	GY, LT GY, SL DK GY, BLKY, SL CALC, MICR CARB INCL OCC V CARB, MICR MIC, SOME SFT, MOD FRM.		
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MICR CARB MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
7300 -	7320	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, GLAU CLYST IN PT, MOD FRM.	5-15	YELL GOLDEN FL SL MOD CUT. P. O. S.
		10 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, SOME SFT, MOD FRM.		
		30 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
7320 -	7330	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, GLAU CLYST IN PT, MOD FRM.	15	YELL GOLDEN FL SL MOD CUT.



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL OCC MICR MIC, SOME SFT, MOD FRM.		P. O. S.
		30 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/ MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
7330 -	7340	40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, GLAU CLYST IN PT, MOD FRM.	15 -30	YELL TO PALE YELL FL.
		40 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/VN MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		MOD CUT, MLKY WH ON RES RING F. O.S.
		10 SD	WH, HY, TRANSL, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CLEAN.		
7340 -	7350	30 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, GLAU CLYST IN PT, MOD FRM.	15	YELL TO PALE YELL FL. SL BRI.
		10 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, SOME SFT, MOD FRM.		MOD CUT, MLKY WH ON RES RING F. O.S.
		50 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/VN MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
		10 SD	WH, HY, TRANSL, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CLEAN.		
7350 -	7360	10 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, MICR MIC, SM SURF, MOD FRM.	30	YELL TO PALE YELL FL. SL BRI.
		10 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, SOME SFT, MOD FRM.		MOD CUT, MLKY WH ON RES RING F. O.S.
		60 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/VN MICR CARB, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
		20 SD	WH, HY, TRANSL, MOSTLY FINE, MNR MEDIUM GRAINED, SB ANG/SB RND, W SRTD, CLEAN.		
7360 -	7370	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL DUSTY PYR SCAT, MICR MIC, FEW GLAU INCL, MOD FRM.	5 - 15	YELL TO PALE YELL FL. SL BRI.
		10 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, MOD FRM.		MOD CUT
		30 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/DK MNRL INCL. MICR MIC, MOD HD, P VIS POR. ACC : ABNT CALC, CARB.		
7370 -	7380	50 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR CARB MICR MIC, FEW GLAU INCL, MOD FRM.	5 - 15	YELL TO PALE YELL FL. SL BRI.
		20 SLTST	GY, LT GY, WHSH GY, BLKY, SL CALC, MICR CARB INCL MICR MIC, MOD FRM.		MOD CUT
		30 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB		



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/DK MNRL INCL. MICR MIC, MOD HD, P VIS POR.		
7380 -	7390	10 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, SL DUSTY PYR SCAT	5 - 15	YELL TO PALE
			SL MICR CARB IN PT, MOD FRM.		YELL FL. SL BRI.
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL DUSTY PYR SCAT, MICR MIC, SL MICR CARB, MOD FRM.		MOD SLOW CUT
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/DK MNRL INCL. MICR MIC, MOD HD, P VIS POR.		
7390 -	7400	20 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, SL MICR CARB IN PT, MOD FRM.	5	YELL TO PALE
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.		YELL FL.
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, ARG MTX, W/DK MNRL INCL. MICR MIC, SOME TT, MOD HD, P VIS POR.		MOD SLOW CUT
7400 -	7420	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL EARTHY SURF IN PT, SL DUSTY PYR SCAT,		NF
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MICR MIC, OCC GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%VF-F, 10%F-M GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SL SLTY SS, W/DK MNRL INCL, MICR MIC, MOD HD, P VIS POR.		
7420 -	7430	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, MOD FRM.		NF
		20 SLTST	GY, SL WHSH GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB MAT INCL, SFT IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%VF-F, 10%F-M GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SL SLTY SS, W/DK MNRL INCL, MICR MIC, MOD HD, P VIS POR.		
7430 -	7440	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, MOD FRM.		NF
		10 SLTST	GY, SL WHSH GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB MAT INCL, SFT IN PT, MOD FRM.		
		10 DOL	BN, LT BN, BLKY, NON CALC, CONCH FRACT, SL MICR CARB MAT INCL, HD		
7440 -	7450	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, MOD FRM.		NF
		10 SLTST	GY, SL WHSH GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB MAT INCL, SFT IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%VF-F, 10%F-M GRAINED, SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, SL SLTY SS,		



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 DOL	W/DK MNRL INCL, MICR MIC, MOD HD, P VIS POR. BN, LT BN, BLKY, NON CALC, CONCH FRACT, SL MICR CARB MAT INCL, HD		
7450 -	7460	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, SL MICR MIC, SM SURF, MOD FRM.		NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SOME V CARB, MICR MIC, OCC GRDG TO VF SS, MOD FRM. ACC : CALC, CARB, DOL		
7460 -	7470	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB, SL MICR MIC, SM SURF, MOD FRM.	5	YELL TO PALE YELL FL, MOD CUT
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SOME VN CARB, MICR MIC, OCC GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, SOME TT, W/MICR CARB TO V CARB IN PT, SL MICR MIC, LITHICS INCL, MOD HD		
		20 SD	HY, VIT, TRANSL, QTZ, 80%F, 20%M GRAINED, SB ANG/SB RND, W SRTD, CLEAN. ACC : MASS PYR, CALC, CARB, DOL.		
7470 -	7480	30 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC SL MICR CARB, MOD FRM.	30 - 50	YELL TO PALE YELL, SL BRI FL, MOD CUT MLKY WH ON RES RING. G. O. S.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SOME V CARB, MICR MIC, OCC GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, SOME TT, W/MICR CARB SL MICR MIC, LITHICS INCL, MOD HD, P VIS POR.		
		50 SD	WH, HY, TRANSL, SMOKY WH, QTZ, 60%F, 30%M, 10%C SB ANG/SB RND, FR SRTD, CLEAN.		
7480 -	7490	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC SL MICR CARB, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SOME V CARB, MICR MIC, OCC GRDG TO VF SS, MOD FRM.		
		20 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, SOME TT, W/MICR CARB SL MICR MIC, LITHICS INCL, MOD HD, P VIS POR. ACC : CALC, CARB.		
7490 -	7500	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC SL MICR CARB, MOD FRM.		NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SOME V CARB, MICR MIC, OCC GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, SOME TT, W/MICR CARB SL MICR MIC, LITHICS INCL, MOD HD, P VIS POR.		



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
7500 -	7510	10 SH	GY, SL DK GY- DK GY, PLTY, NON CALC, LAM, FISS, MICR CARB, SL MICR MIC, MOD FRM.	5	YELL TO PALE YELL FL
		60 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, SL MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.		MOD SLOW CUT.
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, MOD HD, P VIS POR.		
7510 -	7520	10 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, MICR CARB INCL SL MICR MIC, MOD FRM.	5	YELL TO PALE YELL FL
		70 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, SL MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.		MOD SLOW CUT.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, SL MICR MIC, MOD HD, P VIS POR.		
7520 -	7530	10 SH	GY, DK GY, PLTY, NON CALC, LAM, FISS, MICR CARB INCL SL MICR MIC, MOD FRM.	5	YELL TO PALE YELL FL
		60 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, SL MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.		MOD SLOW CUT.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR.		
		10 DOL	BN, LT BN, BLKY, CONCH FRACT, SL-NON CALC, SL MICR CARB, HD TO V HD.		
7530 -	7540	80 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.	5	YELL TO PALE YELL FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR. ACC : MIC, CARB, MASS PYR.		
7540 -	7550	70 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.		N F
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR.		



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
7550 -	7560	90	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.	
7560 -	7570	80	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.	
		10	SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR.	
7570 -	7580	60	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	15 YELL TO PALE
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.	YELL FL
		10	SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR.	MOD CUT.
		20	SD	WH, HY, VIT, QTZ, 50%F, 40%M, 10%C GRAINED, SB ANG/ SB RND, FR SRTD, CLEAN.	
7580 -	7590	50	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	15 - 30 YELL TO PALE
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC GRDG TO VF SS IN PT, MOD FRM.	YELL FL
		10	SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/MICR CARB, DK MNRL INCL, LITHICS INCL, GLAU, SL MICR MIC, MOD HD, P VIS POR.	SL BRI MOD CUT.
		20	SD	WH, HY, VIT, QTZ, 60%F, 30%M, 10%C GRAINED, SB ANG/ SB RND, FR SRTD, CLEAN.	
7590 -	7600	50	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	15 YELL TO PALE
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC MOD FRM.	YELL FL
		30	SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.	SL BRI MOD CUT.
		10	SD	WH, HY, VIT, QTZ, MOSTLY FINE-MEDIUM GRAINED, OCC COARSE GRS, SB ANG/SB RND, FR SRTD, CLEAN.	
7600 -	7610	70	CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL CALC, MICR MIC, SL MICR CARB, MOD FRM.	5 YELL TO PALE
		10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC OCC TT, MOD FRM.	YELL FL
					SL BRI MOD CUT.



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.		
		10 SD	WH, HY, VIT, QTZ, 10%VF-F, 60%F, 20%M, 10%C GRAINED, SB ANG/SB RND, FR SRTD, CLEAN.		
7610 -	7620	80 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5	YELL TO PALE YELL FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SL TT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.		
7620 -	7630	80 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5	YELL TO PALE YELL FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.		
7630 -	7640	70 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5	YELL TO PALE YELL FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, MOD FRM.		
		20 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.		
7640 -	7650	60 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL-NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	5 - 15	YELL TO PALE YELL FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, MOD FRM.		
		20 SS	GY, LT GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG MTX, SLTY SS IN PT, W/DK MNRL INCL, MICR MIC INCL, LITHICS INCL, GLAU, MOD HD, P VIS POR.		
		10 SD	WH, HY, QTZ, 60%F, 30%M, 10%C GRAINED, SB ANG/SB RND, W SRTD, CLEAN. ACC : CALC, CARB, DOL.		
7650 -	7670	80 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, SL-NON CALC, MIC, SL MICR CARB, MOD FRM.		N F
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, MOD FRM.		
		10 SS	GY, LT GY, WH'SH GY, SOME SL DK GY, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, ARG		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			MTX, W/MICR CARB, OCC V CARB, DK MNRL INCL, GLAU MOD HD, P VIS POR.		
7670 -	7680	40 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB MAT. MICR MIC,	5 - 15	YELL TO PALE YELL FL MOD CUT.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, MOD FRM.		
		40 SS	GY, LT GY, WHSH GY, OCC WH, DIRTY WH, QTZOSE, 100% VF-F GRAINED, SL CALC CMT, ARG MTX, W/GLAU, MICR CARB, MICR MIC, MOD HD. P VIS POR		
		10 SD	WH, HY, VTI, SOME DIRTY WH, QTZ, 60%F, 30%M, 10%C SB ANG/SB RND, FR SRTD, CLEAN. NOTE : GAS CUT MUD AT 7685' (MW : 11.4 - 11.2)		
7680 -	7700	70 CLYST	GY, SL DK GY, MNR DK GY, SB PLTY/PLTY, MICR MIC, MICR CARB INCL, GLAU INCL, MOD HD. SHLY CLYST, LAM PLTY, NON CALC, SL MICR MIC,	5	YELL TO PALE YELL FL MOD CUT.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, GRDG TO VF SS, MOD FRM.		
		20 SS	GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.		
7700 -	7720	80 CLYST	GY, SL DK GY, MNR DK GY, SB PLTY/PLTY, MICR MIC, MICR CARB INCL, GLAU INCL, MOD HD. SHLY CLYST, LAM PLTY, NON CALC, SL MICR MIC,	5	YELL TO PALE YELL FL MOD CUT.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR MIC, VN MICR CARB, SOME SFT IN PT, GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.		
7720 -	7730	70 CLYST	GY, SL DK GY, MNR DK GY, SB PLTY/PLTY, MICR MIC, MICR CARB INCL, GLAU INCL, MOD HD. SHLY CLYST, LAM PLTY, NON CALC, SL MICR MIC,		NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC SFT IN PT, GRDG TO VF SS, MOD FRM.		
		10 SS	GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.		
7730 -	7740	80 CLYST	GY, SL DK GY, MNR DK GY, SB PLTY/PLTY, MICR MIC, MICR CARB INCL, GLAU INCL, MOD HD. SHLY CLYST, LAM PLTY, NON CALC, SL MICR MIC,		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC FEW TT, OCC GRDG TO VF SS, FT IN PT, MOD FRM.		
		10 SS	GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL,		



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7740 -	7760	70 CLYST	GY,LT GY, SLDK GY, SB BLKY/SB PLTY, SL-NON CALC, MICR CARB, MICR MIC, MOD HD. MNR SHLY CLYST, DK GY, LAM SL FISS, NON CALC, FRM.	NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SL MICR MIC, FEW TT, MOD FRM.	
		10 SS	GY, LT GY, DIRTY SS, QTZOSE, 100%VF-F GRAINED,SB ANG SB RND, W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, GN MNRL & DK LITHICS INCL, GLAU, TT, MOD HD P VIS POR. ACC : MASS PYR, CALC,	
7760 -	7770	80 CLYST	GY, SL DK GY, MNR LT GY, SB PLTY/PLTY, SL-NON CALC, SL MICR MIC, MICR CARB INCL, GLAU INCL,MOD HD.SHLY CLYST, PLTY, NON CALC, SL MICR MIC, FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC FEW TT, OCC GRDG TO VF SS, SFT IN PT, MOD FRM.	
		10 SS	GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7770 -	7780	80 CLYST	GY, SL DK GY, MNR LT GY, SB PLTY/PLTY, SL-NON CALC, SL MICR MIC, MICR CARB INCL, GLAU INCL,MOD HD.SHLY CLYST, PLTY, NON CALC, SL MICR MIC, FRM.	NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC FEW TT, OCC GRDG TO VF SS, SFT IN PT, MOD FRM.	
7780 -	7790	80 CLYST	GY, SL DK GY, MNR LT GY, SB PLTY/PLTY, SL-NON CALC, SL MICR MIC, MICR CARB INCL, GLAU INCL,MOD HD.SHLY CLYST, PLTY, NON CALC, SL MICR MIC, FRM.	NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, MICR MIC FEW TT, GRDG TO VF SS, SFT IN PT, MOD FRM.	
7790 -	7820	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, MOD FRM.	NF
		70 CLYST	GY, LT GY & SL DK GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL, SM TEX, SL MICR MIC, MOD FRM, SHLY CLYST, MICR MIC, MICR CARB, NON CALC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, SFT-MOD FRM.	
7820 -	7830	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, MOD FRM.	NF
		60 CLYST	GY, LT GY & SL DK GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL, SM TEX, SL MICR MIC, MOD FRM, SHLY CLYST, MICR MIC, MICR CARB, NON CALC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SS	CARB MAT INCL, MICR MIC, GRDG TO VF SS, SFT-MOD FRM. GY, LT GY, DIRTY SS, 100%VF-F GRAINED, SB ANG/SB RND W SRD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7830 -	7840	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, MOD FRM.	NF
		70 CLYST	GY, LT GY MNR SL DK GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL, SM TEX, SL MICR MIC, MOD FRM, SHLY CLYST, MICR MIC, MICR CARB, NON CALC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7840 -	7850	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, SOME OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL SM TEX, SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7850 -	7870	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, SOME OCC DUSTY PYR SCAT, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7870 -	7880	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, SOME OCC DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL SM TEX, SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, MOD FRM.	
7880 -	7890	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7890 -	7900	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, WAXY, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB PLTY/PLTY, NON CALC, MICR CARB INCL SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
7900 -	7910	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, GLAU INCL, MOD FRM.	
		20 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7910 -	7920	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, OCC GLAU INCL, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7920 -	7930	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MIC MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7930 -	7940	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB GLAU IN PT, MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7940 -	7950	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL NON CALC, SL MICR CARB SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MICR PYR, MOD HD, P VIS POR.	
7950 -	7960	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	MICR MIC, MOD FRM. GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
7960 -	7980	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL - NON CALC, MICR CARB MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WHSH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MOD HD, P VIS POR.	
7980 -	7990	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL CALC, MICR CARB, MICR MIC, OCC DUSTY BRI PYR SCAT, MOD FRM.	NF
		20 SLTST	GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WHSH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MOD HD, P VIS POR. ACC : DOL, CALC, CARB, MICR FOSS.	
7990 -	8000	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL NON CALC, MICR CARB MICR MIC, EARTHYB SURF IN PTL, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, VN MICR CARB INCL MICR MIC, MOD FRM.	
		10 SS	GY, LT GY, WHSH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MOD HD, P VIS POR.	
		10 DOL	BN, LT BN, BLKY, NON CALC, CONCH FRACT, EARTHY SURF IN PT, SL MICR CARB, HD. ACC : CALC, CARB, MICR FOSS.	
8000 -	8010	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL- NON CALC, MICR CARB MICR MIC, MOD FRM.	NF
		10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WHSH GY, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, ARG MTX, W/MICR CARB MAT INCL, DK LITHICS INCL, GLAU, MOD HD, P VIS POR.	
8010 -	8020	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, DUSTY PYR SCAT, MOD FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		20 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
8020 -	8030	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, DUSTY PYR SCAT, MOD FRM.	NF
		20 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM. ACC : CALC, MASS PYR.	
8030 -	8040	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX, W/ MICR CARB MICR MIC, OCC GLAU, GN MNRL INCL, MOD HD, P VIS POR.	
8040 -	8060	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, MOD FRM.	NF
		80 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
8060 -	8070	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX, W/ MICR CARB MICR MIC, OCC GLAU, GN MNRL INCL, MOD HD, P VIS POR.	
8070 -	8080	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, MOD FRM.	NF
		60 CLYST	GY, LT GY, SL DK GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, DUSTY PYR SCAT MOD FRM.	
		10 SLTST	GY, LT GY, MNR WH'SH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, GRDG TO VF SS, MOD FRM.	
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX, W/ MICR CARB MICR MIC, OCC GLAU, GN MNRL INCL, SL TT, MOD HD, P VIS POR.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
8080 -	8100	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, OCC GRDG TO VF SS, MOD FRM.	
8100 -	8110	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, SL CALC, CARB MAT INCL, MICR MIC, MOD FRM.	
8110 -	8140	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.	NF
		80 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, DUSTY PYR SCAT, MOD FRM.	
8140 -	8160	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, OCC DUSTY PYR SCAT, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, GLAU INCL, SL MICR CARB, SL MICR MIC, EARTHY SURF, MOD FRM.	
8160 -	8180	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, EARTHY SURF, DUSTY PYR SCAT, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, SL CALC, MICR CARB MAT INCL, MICR MIC, MOD FRM.	
8180 -	8200	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.	NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, DUSTY PYR SCAT IN PT, MOD FRM.	
8200 -	8210	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, SL DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, DUSTY PYR SCAT IN PT, MOD FRM.	
		10 SLTST	GY, LT GY, WHSH GY, BLKY/SB BLKY, SL CALC, CARB MAT INCL, MICR MIC, MOD FRM.	
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG SB RND, W SRTD, CALC CMT, SLTY MTX, W MICR CARB MICR MIC, GLAU, GN MNRL INCL, MOD HD, P VIS POR.	
8210 -	8220	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, SL DUSTY PYR SCAT, MOD FRM.	NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		40 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL SFT, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB INCL, MICR MIC, MOD FRM.	
		20 SS	GY, LT GY, WHSH GY, QTZOSE, 80%VF-F, 20%F-M GRAINED TR M-C GRS, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, GLAU INCL, SL CARB, MOD HD, P VIS POR.	
		10 SD	WH, HY, SMOKY WH, QTZ, 70%VF-F, 30%F-M GRAINED, SB ANG/SB RND, FR-W SRTD,	
8220 -	8230	20 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, SL DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL SFT, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB INCL, MICR MIC, MOD FRM.	
		10 SS	GY, LT GY, QTZOSE, 90%F, 10%M GRAINED, CALC CMT, SLTY MTX, ARG MTX IN PT, TT, W/GLAU INCL, CARB MAT INCL, LITHICS INCL, MOD HD TO HD, VP VIS POR.	
8230 -	8240	30 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, SL DUSTY PYR SCAT, MOD FRM.	NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL SFT, MOD FRM.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, CALC CMT, SLTY MTX, SOME TT, W/GLAU INCL, CARB MAT INCL LITHICS INCL, MOD HD TO HD, VP VIS POR.	
8240 -	8250	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL DUSTY PYR SCAT, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL - NON CALC, MICR CARB TO V CARB, MICR MIC, MOD FRM.	
8250 -	8255	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL DUSTY PYR SCAT, MOD FRM.	NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB TO V CARB MICR MIC, MOD FRM.	
		20 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, SOME SL FRI, MOD HD, P VIS POR.	
8250 -	8255	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, SL DUSTY PYR SCAT, MOD FRM.	NF
		20 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, SOME SL FRI, MOD HD, P VIS POR.	
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB TO V CARB, MICR MIC, MOD FRM.	



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
8255 -	8260	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.		NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB TO V CARB, MICR MIC, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/GLAU INCL, MICR CARB LITHICS, MOD HD, P VIS POR.		
8260 -	8270	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.		NF
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM. OCC SHLY CLYST.		
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB TO V CARB, MICR MIC, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/GLAU INCL, MICR CARB LITHICS, MOD HD, P VIS POR.		
8270 -	8280	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.		NF
		70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, EARTHY SURF IN PT, MOD FRM. SHLY CLYST. NON CALC, MOD FRM.		
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SL MIC MOD FRM.		
8280 -	8290	10 SH	GY, SL DK GY, PLTY-LAM, NON CALC, FISS, MICR MIC, SL MICR CARB, SM SURF, MOD FRM.	5	YELL TO PALE
		60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, EARTHY SURF IN PT, MOD FRM. SHLY CLYST. DK GY, NON CALC, DUSTY PYR SCAT, MOD FRM.		YELL. MOD CUT P. O. S.
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR CARB, SL MIC MOD FRM.		
		10 SS	GY, LT GY, WHSH GY, QTZOSE, 100%VF-F, FEW M GRAINED SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, GLAU INCL, LITHICS & DK MNRL INCL, MOD HD, P VIS POR. NOTE : FLUORESCENCE (15%) WERE OBSERVED IN SLTST AND CLYST. MUD SAMPLE TAKEN AT 8290' W/ 5% OF YELL DULL FLUOR VERY SLOW CUT.		
8290 -	8300	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, EARTHY SURF IN PT, MOD FRM. SHLY CLYST. DK GY, NON CALC, MOD FRM.	5	YELL TO PALE YELL. MOD CUT P. O. S.
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC TO V CALC IN PT SL MICR MIC, V MICR CARB INCL, SFT-MOD FRM.		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F, GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, GLAU INCL, LITHICS & DK MNRL INCL, MOD HD, P VIS POR. ACC : CALC, GLAU, CARB.		
8300 -	8310	90 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC TO V CALC IN PT SL MICR MIC, OCC GLAU, V MICR CARB INCL, TT IN PT. GRDG TO VF SS, FRM TO HD.		
8310 -	8320	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.	5 - 15	YELL TO PALE YELL. MOD CUT P. O. S.
		30 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F, GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, GLAU INCL, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.		
		10 SD	WH, HY, CLEAR, TRANSL, QTZ, 50%F, 40%M, 10%C, GRS SB ANG/SB RND, P SRTD, CLEAN.		
8320 -	8330	40 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.	30	YELL TO PALE YELL. MOD CUT MLKY WH FL ON RES RING. FR O S
		20 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F, GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, GLAU INCL, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.		
		40 SD	WH, HY, TRANSL, CLEAR, QTZ, 40%F, 30%M, 20%C, 10%VC SB ANG/SB RND, P SRTD, CLEAN. NOTE : TAKEN MUD SAMPLE, AT 8335' W/SL FAST CUT, MLKY WH ON RES RING: P-FR O S NOTE : MUD SAMPLE, AT 8335' MLKY WH ON RES RING, SL FAST STRMG CUT.		
8330 -	8340	20 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.	50	YELL TO PALE YELL. MOD CUT MLKY WH FL ON RES RING. G. O. S
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F, GRAINED, SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.		
		70 SD	WH, SMOKY WH, MNR HY, QTZ, 10%F, 20%M, 60%C, 10%VC TR PBLTY, P SRTD, CLEAN.		
8340 -	8350	80 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL-NON CALC, SL MICR MIC, SL MICR CARB, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC TO V CALC IN PT SL MICR MIC, OCC GLAU, V MICR CARB INCL, TT IN PT. GRDG TO VF SS, FRM TO HD.		
		10 SS	GY, LT GY, WH'SH GY, QTZOSE, 100%VF-F, GRAINED, SB		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, W/MICR MIC, LITHICS & DK MNRL INCL, MOD HD, P VIS POR. ACC : CALC, CARB, GLAU.	
8350 -	8360	60 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL- NON CALC, MICR CARB SL DUSTY PYR SCAT IN PT, SL MICR MIC, MOD FRM	5 - 15 YELL TO PALE
		20 SS	WH, MLKY WH, DIRTY WHQTZOSE, 20%F, 80%M GRAINED SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, TT IN PT SOME SL FRI, W/MIC, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.	YELL. MOD CUT P. O. S.
		20 SD	WH, SMOKY WH, QTZ, 10%F, 20%M, 70%C TO VC, OCC GRANULES, SB ANG/SB RND, P SRTD, CLEAN.	
8360 -	8370	70 CLYST	GY, LT GY, SB BLKY/SB PLTY, SL- NON CALC, MICR CARB SL MICR MIC, MOD FRM. SHLY CLYST, DK GY, FRM.	NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC TO V CALC IN PT SL MICR MIC, OCC GLAU, V MICR CARB INCL, TT IN PT. GRDG TO VF SS, FRM TO HD.	
		10 SS	WH, MLKY WH, DIRTY WHQTZOSE, 20%F, 80%M GRAINED SB ANG/SB RND, W SRTD, CALC CMT, SLTY MTX, TT IN PT SOME SL FRI, W/MIC, LITHICS & DK MNRL INCL, MOD HD, P VIS POR.	
8370 -	8375	60 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	NF
		20 CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, MOD FRM.	
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.	
		10 SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, SL TT, W/MICR CARB MAT SL MICR MIC, SL HD, P VIS POR.	
8375 -	8380	60 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.	
		20 SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, SL TT, W/MICR CARB MAT SL MICR MIC, SL HD, P VIS POR.	
8380 -	8385	50 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	NF
		20 CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, MOD FRM.	
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.	
		10 SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			W SRTD, CALC CMT, SLTY MTX, SL TT, W/MICR CARB MAT SL MICR MIC, SL HD, P VIS POR.		
8385 -	8390	60 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.		N F
	20	CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, MOD FRM.		
	10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
	10	SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, SL TT, W/MICR CARB MAT SL MICR MIC, SL HD, P VIS POR. ACC : CALC, PYR, CARB.		
8390 -	8400	50 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	5	YELL TO PALE YELL.
	10	CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, MOD FRM.		MOD SLOW CUT.
	20	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
	20	SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, SL TT, W/ CARB MAT SL MICR MIC, SL HD, P VIS POR.		
8400 -	8410	50 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	5	YELL TO PALE YELL
	10	CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, MOD FRM.		MOD SLOW CUT.
	20	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
	20	SS	GY, WHSH GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, CALC CMT, SLTY MTX, SL TT, W/MICR CARB MAT SL MICR MIC, SL HD, P VIS POR.		
8410 -	8415	40 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	15	YELL/SH FL SL BRI
	20	CLYST	GY, LY GY, SB BLKY/SB PLTY, NON CALC, MICR CARB SL MICR MIC, SM SURF, MOD FRM.		MOD SLOW CUT
	10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
	30	SS	GY, LT GY, QTZOSE 100%VF-F GRAINED, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, GLAU IN PT, LITHICS INCL, MOD HD, P VIS POR, ACC : CARB, CALC, MIC.		
8415 -	8420	30 SH	GY, DK GY, PLTY/SB PLTY, NON CALC, SL MICR MIC, MICR CARB TO CARB LAM IN PT, MOD FRM.	5	YELL/SH FL SL BRI
	40	CLYST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB		MOD SLOW CUT



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SLTST	SL DUSTY BRI PYR SCAT, MOD FRM. GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
		20 SS	GY, LT GY, QTZOSE 100%VF-F GRAINED, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, GLAU IN PT, LITHICS INCL, MOD HD, P VIS POR, ACC : CALC, CARB.		
8420 -	8430	60 SH	GY, DK GY, PLTY, NON CALC, LAM, NON CALC, SL MICR MIC, SL CARB, MOD FRM.		NF
		10 CLYST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SL DUSTY BRI PYR SCAT, MOD FRM.		
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SFT-MOD FRM.		
		10 SS	GY, LT GY, QTZOSE 90%VF-F, 10%M GRAINED, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, SL GLAU IN PT, LITHICS INCL, MOD HD, P VIS POR,		
8430 -	8440	80 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.		NF
		10 SS	GY, LT GY, QTZOSE 90%VF-F, 10%M GRAINED, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, SL GLAU IN PT, LITHICS INCL, MOD HD, P VIS POR,		
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT MOD FRM.		
8440 -	8450	40 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.	5	YELL'SH FL MOD CUT
		20 CLYST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SL DUSTY BRI PYR SCAT, MOD FRM.		SLMLKY WH ON CRUSHED. P. O. S.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT MOD FRM.		
		30 SS	GY, LT GY, QTZOSE 90%VF-F, 10%M GRAINED, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, SL GLAU IN PT, LITHICS INCL, MOD HD, P VIS POR,		
8450 -	8460	60 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, OCC DUSTY PYR SCAT, MOD FRM.	5	YELL'SH FL MOD CUT
		10 CLYST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC, MICR CARB SL DUSTY BRI PYR SCAT, MOD FRM.		SLMLKY WH ON CRUSHED. P. O. S.
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		
		20 SS	WH, DIRTY WH, OCC WH'SH GY, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, W/MICR CARB, MICR MIC, LITHICS INCL, MOD HD, P VIS POR, ACC : CALC, MASS PYR.		
8460 -	8470	40 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR	15	YELL'SH FL



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			MIC, MOD FRM.		MOD CUT
	10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		SLMLKY WH ON CRUSHED. P. O. S.
	40	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		
	10	SD	WH, SMOKY WH, QTZ, PRED M GRAINED, SB ANG/SB RND W SRTD, CLEAN.		
8470 -	8480	50 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	5 - 15	YELL GOLDEN MOD CUT
	20	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		
	30	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		
8480 -	8490	20 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	50 - 75	YELL GOLDEN SL BRIFL.
	80	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		MOD FAST CUT SL MLKY WH ON RES RING.. G - VG. O. S
8490 -	8500	60 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	15	YELL GOLDEN SL BRIFL.
	20	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		MOD FAST CUT
	20	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		
8500 -	8510	60 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	5	YELL GOLDEN SL BRIFL.
	30	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		MOD CUT
	10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		
8510 -	8520	50 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	5	YELL GOLDEN SL BRIFL.
	10	SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		MOD CUT
	40	SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
8520 -	8530	50 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	5	YELL GOLDEN SL BRI FL.
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		MOD CUT
		30 SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, TT IN PT CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		
8530 -	8540	40 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, MOD FRM.	15	YELL GOLDEN SL BRI FL
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT GRDG TO VF SS, MOD FRM.		MOD CUT.
		40 SS	WH, DIRTY WH, MNR GY'SH WH, QTZOSE, 100%VF-F, GRS SB ANG/ SB RND, W SRTD, CALC CMT, ARG MTX, MICR CARB, MICR MIC, LITHICS INCL, GLAU, MOD HD, P VIS POR,		
		10 SD	WH, HY, QTZ, 100%F GRAINED, SB ANG/SB RND, W SRTD CLEAN. ACC : ABNT CALC, SLICKENSIDED, MILLONITE.		
8540 -	8550	70 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, OCC DUSTY BRI PYR SCAT, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT MOD FRM.		
		20 SS	GY,LT GY, QTZOSE, MOSTLY F GRAINED, SB ANG/SB RND, W SRTD, SL CALC, SLTY MTX, W/MICR CARB DK MNRL INCL, MICR MIC, MOD HD, P VIS POR. ACC : MILLONITE, FEW SLICKENSIDED, CALC, MASS PYR FEW BOTROIDAL GLAU (FREE)		
8550 -	8560	80 SH	GY, DK GY, PLTY, NON CALC, LAM, SL MICR CARB, MICR MIC, OCC DUSTY BRI PYR SCAT, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR CARB MAT MOD FRM.		
		10 SS	GY,LT GY, QTZOSE, MOSTLY F GRAINED, SB ANG/SB RND, W SRTD, SL CALC, SLTY MTX, SL TT, W/MICR CARB DK MNRL INCL, MICR MIC, MOD HD, P VIS POR. ACC : BN & BEIGE DOL, FEW GLAU, PYR, CALC..		
8560 -	8570	70 SH	GY, DK GY, PLTY-LAM, FISS, SL SPLTY, NON CALC, SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM.		NF
		20 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR MIC INCL, MICR CARB MAT INCL, MOD FRM.		
		10 SS	GY,LT GY, QTZOSE, MOSTLY F GRAINED, SB ANG/SB RND, W SRTD, SL CALC, SLTY MTX, SL TT, W/MICR CARB DK MNRL INCL, MICR MIC, MOD HD, P VIS POR. ACC : FEW MILLONITE, FEW DULL & BRI PYR, CALC BEIGE DOL.		
8570 -	8580	70 SH	GY, DK GY, PLTY-LAM, FISS, SL SPLTY, NON CALC,		NF



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SLTST	SL MICR MIC, SL MICR CARB MAT INCL, MOD FRM. GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR MIC INCL, MICR CARB MAT INCL, MOD FRM.		
		20 SS	GY, LT GY, QTZOSE, MOSTLY F GRAINED, SB ANG/SB RND, W SRTD, SL CALC, SLTY MTX, SL TT, W/MICR CARB DK MNRL INCL, MICR MIC, MOD HD, P VIS POR.		
8580 -	8590	80 SH	GY, DK GY, PLTY-LAM, FISS, NON CALC, SL MICR CARB MICR MIC, SL DUSTY PYR SCAT, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, SL MICR MIC INCL, MICR CARB MAT INCL, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 90%VF-F, 10%F-M GRAINED, SB ANG SB RND, W SRTD, SL CALC, SLTY MTX, W/MICR CARB INCL, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR. ACC : MILLONITE, CARB.		
8590 -	8600	90 SH	GY, DK GY, PLTY-LAM, NON CALC, MICR CARB INCL, MICR MIC, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY/SB BLKY, SL CALC, MICR MIC INCL, CARB MAT, MOD FRM.		
8600 -	8620	80 SH	GY, DK GY, PLTY-LAM, NON CALC, MICR CARB INCL, MICR MIC, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT - MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC, SLTY MTX, SL TT, W/MICR CARB INCL, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR.		
8620 -	8630	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, V FRM TO HD.	5	LT YELL FLUOR IN SS
		10 SS	WH, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, V W SRTD, SL CALC CMT, HD TO MOD HD IN PT.		P CUT.
8630 -	8640	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, V FRM TO HD.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC FRM TO HD.		
8640 -	8650	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, V FRM TO HD.		NF
		20 SLTST	GY, LT GY, BLKY, SL CALC, GRDG TO VF SS, MICR CARB, SL MICR MIC, SFT TO MOD FRM.		
8650 -	8660	80 SH	GY, DK GY, PLTY-LAM, NON CALC, MICR CARB INCL, MICR MIC, MOD FRM.		NF
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND W SRTD, SL CALC, SLTY MTX, SL TT, W/MICR CARB		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SLTST	INCL, MICR MIC, DK MNRL INCL, MOD HD, P VIS POR. GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT - MOD FRM.		
8660 -	8670	70 SH	GY, DK GY, PLTY-LAM, NON CALC, MICR CARB INCL, MICR MIC, MOD FRM.		NF
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT - MOD FRM.		
		10 SS	GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND, V W SRTD, CALC CMT, ARG MTX, W/MICR CARB INCL, MIC, SL TT, HD, P VIS POR.		
8670 -	8700	90 SH	GY, DK GY, PLTY, FISS, SPLTY, NON CALC, MICR MIC, SL MICR CARB, MOD FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC FRM.		
8700 -	8710	80 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, MOD FRM.	5	YELL GOLDEN SL BRI MOD CUT P. O. S.
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT - MOD FRM.		
		10 SS	GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND, V W SRTD, CALC CMT, SLTY MTX, W/MICR CARB INCL, MIC, SL TT, HD, P VIS POR.		
8710 -	8720	60 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, OCC DUSTY PYR SCAT, FRM.	5	YELL GOLDEN SL BRI MOD CUT P. O. S.
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT IN PT, MOD FRM.		
		20 SS	GY, WH'SH GY, 80%VF-F, 20%F-M GRAINED, SB ANG/SB RND FR-W SRTD, SL CALC CMT, SLTY SS, W/MICR MIC, MASS PYR FRI - MOD HD, P VIS POR.		
		10 SD	WH, HY, QTZ, 80%VF-F, 20%F-M GRAINED, SB ANG/SB RND W SRTD, CLEAN.		
8720 -	8730	80 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, OCC DUSTY PYR SCAT, FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT IN PT, MOD FRM.		
		10 SS	GY, WH'SH GY, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD SL CALC CMT, SLTY SS, W/MICR MIC, MASS PYR, MOD HD P VIS POR. NOTE: INCREASING GAS READINGS.		
8730 -	8740	60 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, FRM.		NF
		20 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC SFT IN PT, MOD FRM.		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		20 SS	GY, WHSH GY, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD SL CALC CMT, SLTY SS, W/MICR MIC, MASS PYR, MOD HD SL FRI, P VIS POR. ACC : GLAU, CALC, MASS PYR.		
8740 -	8750	50 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, FRM.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB MAT, MICR MIC MOD FRM.		
		20 SS	GY, WHSH GY, QTZOSE, 80%F, 20%M, TR C GRAINED, SB ANG/SB RND, FR-W SRTD, CALC CMT, SLTY MTX, W/MICR CARB MAT, FEW DK LITHICS, MOD HD. P VIS POR.		
		20 SD	WH, HY, QTZ, 50%F, 40%M, 10%C, GRAINED, SB ANG/SB RND FR SRTD, CLEAN. ACC : GLAU, CALC, FEW DULL MASS PYR.		
8750 -	8760	70 SH	GY, DK GY, PLTY, FISS, NON CALC, MICR CARB INCL, MICR MIC, FRM.	5	LT YELL SL BRI
		20 SS	GY, WHSH GY, QTZOSE, 80%F, 20%M, TR C GRAINED, SB ANG/SB RND, FR-W SRTD, CALC CMT, SLTY MTX, W/MICR CARB MAT, FEW DK LITHICS, MOD HD. P VIS POR.		V P CUT
		10 SD	WH, HY, QTZ, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD CLEAN. ACC : COMMON MILLONITE, MASS DULL & BRI PYR, GLAU. NOTE : MUD SAMPLE TAKEN G2265AT 8760' W/15% LT YELL WEAK SPOTTY FLUOR, GOOD CUT.		
8760 -	8770	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, FRM TO HD.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW DOL, COMMON & ABNT MILLONITE, CALC, MASS PYR.		
8770 -	8780	100 SH	DK GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB, GLAU INCL IN PT, FRM TO HD. INCREASE V DK GY HD SH TYPICAL OF NEGRITOS SHALE		NF
		TR SS	GY, GY'SH WH, QTZOSE, 100%VF GRAINED, SL CALC, MOD HD. ACC : DOL, CALC, PYR, GLAU.		
8780 -	8790	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, FRM TO HD. INCREASE DK GY & DK BN'SH GY V HD SH.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW DOL, GLAU, PYR, CALC.		
8790 -	8800	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB		NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			GLAU INCL IN PT, FRM TO HD. INCREASE DK GY & DK BN'SH GY V HD SH. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW DOL, GLAU, PYR, CALC.		
8800 -	8810	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, FRM TO HD. INCREASE DK GY & DK BN'SH GY V HD SH. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW BEIGE & BN DOL, FEW MASS DULL PYR.		NF
8810 -	8820	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, FRM TO HD. INCREASE DK GY & DK BN'SH GY V HD SH. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW DOL, PYR, GLAU.		NF
8820 -	8830	80 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, V MICR MIC IN PT, FRM TO HD. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. 10 SS GY, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, SL CALC, W CMT, MOD HD TO HD. ACC : FEW CALC. NOTE : INCREASING GAS READING @ 8838'	5	LT YELL SL BRI V P CUT.
8830 -	8840	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, V MICR MIC IN PT, FRM TO HD. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : COMM MILLONITE, FEW PYR, CALC.		NF
8840 -	8850	90 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, V MICR MIC IN PT, FRM TO HD. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. TR SS GY, LT GY, GY'SH WH, VF, CALC, HD, ACC : FEW CALC, PYR.		NF
8850 -	8860	80 SH	GY, DK BN'SH GY, DK BN, FISS, SPLTY, NON CALC, SL CARB GLAU INCL IN PT, V MICR MIC IN PT, FRM TO HD. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. 10 SS GY, QTZOSE, 100%VF GRAINED, SB ANG/SB RND, W SRTD SL CALC CMT, DIRTY SS, TT, V HD. ACC : COMM CALC, FEW MILLONITE, FEW DOL.		NF
8860 -	8870	90 SH	GY, DK BN'SH GY, DK BN, ABNT DK GY, FISS, SPLTY, NON CAL, SL CARB, MICR MIC IN PT, FRM TO HD. 10 SLTST GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW CALC, MILLONITE.		NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
8870 -	8880	80 SH	GY, DK BN'SH GY, DK BN, ABNT DK GY, FISS, SPLTY, NON CAL, SL CARB, MICR MIC IN PT, FRM TO HD.	5	LT YELL SL BRI SLOW CUT
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM		V LT YELL
		10 SS	WH, GY'SH, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD V SL CALC, MOD FRI, MOD HD. ACC : CALC, DOL, GLAU. NOTE : INCREASE THE GAS READING @ 8890'		MLKY ON CUT (WEAK)
8880 -	8890	50 SH	GY, DK BN'SH GY, DK BN, DK GY, FISS, SPLTY, NON CALC SL CARB, MICR MIC IN PT, HD.	15	LT YELL SL BRI SLOW CUT
		40 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT IN PT, HD,		V LT YELL MLKY ON CUT
		10 SD	TR VF SAND, W SRTD, CLEAN. ACC : COMM MILLONITE, DULL PYR, FEW CALC.		(WEAK)
8890 -	8900	30 SH	GY, DK BN'SH GY, DK BN, DK GY, FISS, SPLTY, NON CALC SL CARB, MICR MIC IN PT, HD.	50	LT YELL TO WH'SH YELL, SL BRI.
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT IN PT, HD,		LT BLU'SH MLKY FLUOR ON CUT
		60 SD	WH, HY, QTZOSE, 20%F, 30%M, 50%C, SB ANG/ANG, P-FR SRTD, FEW V C & HACKLED QTZ GRAINS, FEW DK & SMOKY GRAINS.		
8900 -	8910	70 SH	GY, DK BN'SH GY, DK BN, DK GY, FISS, SPLTY, NON CALC SL CARB, MICR MIC IN PT, HD.	15	LT YELL TO WH'SH YELL, SL BRI.
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT IN PT, HD,		LT BLU'SH MLKY FLUOR ON CUT
		20 SD	WH, HY, QTZOSE, 20%F, 30%M, 50%C, SB ANG/ANG, P-FR SRTD, FEW V C & HACKLED QTZ GRAINS, FEW DK & SMOKY GRAINS. ACC : CALC, BOTROIDAL GLAU.		
8910 -	8920	20 SH	GY, DK BN'SH GY, DK BN, DK GY, FISS, SPLTY, NON CALC SL CARB, MICR MIC IN PT, HD.	50 - 75	YELL DULL MNR LT YELL
		10 SS	WH, QTZOSE, M-C, C-VC GRAINED, ANG/SB ANG, SL CALC MOD HD.		SL BRI FR CUT.
		70 SD	WH, HY, QTZ & QTZTE, 80%F, 20%M-C GRAINED, FEW PEBB, SB ANG/SB RND, FR SRTD, CLEAN.		
8920 -	8930	70 SH	GY, DK GY, DK BN, FISS, SPLTY, NON CALC, SL CARB MICR MIC IN PT, HD.	15 - 30	YELL DULL MNR LT YELL
		10 SS	WH, HY, QTZ, F-M, C, ANG/SB ANG/SB RND, FR SRTD, SL CALC, MOD HD.		SL BRI FR CUT.
		20 SD	WH, HY, QTZ, 80%F-M, 20%M-C, ANG/SB ANG/SB RND, FR SRTD, FEW PEBB IN QTZ & QTZTE, CLEAN. NOTE : THE ROCK APPARENTLY HAS BEEN MILLED FROM 8915 OR 8920 TO 8935; BECAUSE THE SAMPLES SHOWS METALIC SLICKENSIDES IN ONE SIDE AND MILLED		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
ROCK IN THE OTHER SIDE. THIS APPRECIATION WAS SUPPORTED THE BIT(G447XL) STATUS AFTER POOL OUT OF HOLE.					
8930 -	8935	40 SH	GY, DK GY, DK BN, FISS, SPLTY, NON CALC, SL CARB MICR MIC IN PT, HD.	50	LT YELL BRI FAST STREAMING
		10 SS	WH, QTZOSE, M, M-C, VC, NON CALC, ANG/SB ANG/SB RND FR SRTD, HD.		CUT. MLKY YELL FLUOR ON RES RING
		50 SD	WH, QTZ, QTZTE, 20%F-M, 50%M-C, 30%C-VC & FEW PEBB, HACKLED, ANG/SB ANG/SB RND, P SRTD, CLEAN. NOTE : ABNT METHALIC SLICKENSIDE INTHE ROCK. THE FORMATION ROCK SEEMS HAS BEEN MILLED BY BIT.		G. O. S.
8935 -	8940	60 SH	GY, DK GY, DK BN, FISS, SPLTY, NON CALC, SL CARB MICR MIC IN PT, HD.	5 - 15	LT YELL BRI FAST STREAMING
		20 SS	WH, QTZOSE, M, M-C, VC, NON CALC, ANG/SB ANG/SB RND FR SRTD, HD.		CUT. MLKY YELL FLUOR ON RES RING
		20 SD	WH, QTZ, QTZTE, 20%F-M, 50%M-C, 30%C-VC & FEW PEBB, HACKLED, ANG/SB ANG/SB RND, P SRTD, CLEAN. ACC : FEW GLAU & BOTROIDAL & SPHERICAL PYR. FEW PYR QTZTE, V V HD, FEW BN DOL.		P CUT
8940 -	8945	80 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM, GRDG TO V V HD SLATE.		NF
		10 SLTST	GY, FRM TO HD.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CMT TT, HD TO V HD, V P IN GRAN VIS POR.		
		TR SD	V V FINE, TT, HD. ACC : FEW CALC, DOL, FEW BOTROIDAL & GLAU, PYR.		
8945 -	8950	80 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM, GRDG TO V V HD SLATE.		NF
		10 SLTST	GY, FRM TO HD.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CMT TT, HD TO V HD, V P IN GRAN VIS POR.		
8950 -	8955	90 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM, GRDG TO V V HD SLATE.		NF
		10 SLTST	GY, FRM TO HD.		
8955 -	8960	80 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM, GRDG TO V V HD.		NF
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CMT TT, HD TO V HD, V P IN GRAN VIS POR.		
8960 -	8965	60 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	5	LT YELL DULL



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM.		IN SS
		20 SS	GY, GY'SH WH, QTZOSE, F, F-M GRAINED, SB ANG/SB RND FR SRTD, SL CALC CMT IN PT, MOD HD.		NO CUT.
		10 SD	WH, HY, QTZ, VF, W SRTD, DIRTY.		
8965 -	8970	50 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	5 - 15	LT YELL DULL
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM.		V P CUT.
		20 SS	GY, GY'SH WH, QTZOSE, F, F-M GRAINED, SB ANG/SB RND FR SRTD, SL CALC CMT IN PT, MOD HD.		
		20 SD	WH, HY, QTZ, 40%VF-F, 60%F-M, SB ANG/SB RND, W SRTD, CLEAN.		
8970 -	8975	20 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	50	YELL SL BRI.
		10 SS	WH, GY'SH WH, QTZOSE, F-M, M-C GRAINED, NON CALC, SL CALC CMT IN PT, W CEMENTED, MOD HD. SOME BN'SH M-C GRAINED, HD.		F-G CUT
		70 SD	WH, HY, VIT, MLKY & SMOKY WH, QTZ, QTZTE, 20%M, B 50%C, 30%VC, FEW PEBB, MOSTLY HACKLED, ANG/V ANG/SB ANG, P SRTD, CLEAN. ACC : PYR.		
8975 -	8980	40 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	30 - 50	YELL SL BRI
		20 SS	WH, GY'SH WH, QTZOSE, F-M, M-C GRAINED, NON CALC, SL CALC CMT IN PT, W CEMENTED, MOD HD. SOME BN'SH M-C GRAINED, HD.		TO BRI
		40 SD	WH, WH'SH HY, VIT, MLKY & SMOKY WH, QTZ & QTZTE 30%M, 20%M-C, 50%VC TO PEBB (HACKLY), ANG/SB ANG/ V ANG, P SRTD, CLEAN.		F-G CUT.
8980 -	8985	60 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	15 - 30	YELL SL BRI TO BRI
		10 SS	BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD.		
		30 SD	WH, HY, MLKY, SMOKY WH, WH'SH HY, QTZ, QTZTE, 20% M, 50%C-VC, 30%VC TO PEBBLY, SB ANG/ANG/V ANG, (HACKLY), P SRTD, PYR QTZ % QTZTE. ACC : FEW PYR.		
8985 -	8990	70 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	5	YELL SL BRI
		10 SLTST	GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM.		P-F CUT
		10 SS	BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD.		
		10 SD	WH, HY, QTZ & QTZTE, 30%M, 60%C-VC, 10%VC-PEBB, SB ANG/ANG/V ANG, P SRTD, CLEAN. NOTE : AT 8890' INCREASE THE GAS READINGS.		
8990 -	8995	20 SH	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD	15	YELL DULL
		10 SS	BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD.		P CUT
		70 SD	WH, HY, QTZ, 20%F, 60%M, 20%M-C-VC, SB ANG/SB RND P SRTD, CLEAN.		



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GEOLOGIST CONTRACTOR:
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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
8995 -	9000	30 SH 10 SS 60 SD	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD. WH, HY, QTZ, 50%F, 40%M, 10%M-C, SB ANG/SB RND, FR SRTD.	5	YELL DULL NO CUT.
9000 -	9005	70 SH 20 SS 10 SD	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD. WH, HY, QTZ, 90%VF-F, 10%M, SB ANG/SB RND, W SRTD, DIRTY.	5	YELL DULL NO CUT.
9005 -	9010	40 SH 10 SS 50 SD	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD. WH, HY, QTZ, 60%VF-F, 30%M, 10%M-C GRAINED, FEW PEBB, FR SRTD, DIRTY.	5 - 15	YELL DULL NO CUT.
9010 -	9015	30 SH 20 SS 50 SD	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD BN & BN'SH, QTZOSE, M, M-C GRAINED, NON CALC, HD. WH, HY, QTZ, 60%F-M, 30%M, 10%C GRAINED, FEW VC TO PEBB. P-FR SRTD, CLEAN.	5 - 15	YELL V DULL V. P. CUT
9015 -	9020	30 SH 30 SS 40 SD	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD ACC : COMM CALC. WH, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED, MOD HD. WH, HY, QTZ, 90%VF-F, 10%M-C GRAINED, W SRTD, CLEAN	5 - 15	YELL V DULL V. P. CUT
9020 -	9025	70 SH 10 SLTST 20 SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, LT GY, QTZOSE, 100%VF-F, SL CALC, W CEMENTED, TT, HD. ACC : FEW DULL CALC.		NF
9025 -	9030	80 SH 10 SLTST 10 SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, QTZOSE, 100%VF-F GRAINS, TT, HD. ACC : FEW CALC, DULL PYR.		NF
9030 -	9035	90 SH 10 SLTST TR SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, MOSTLY VF GRAINS, SLTY SS, TT, HD. ACC : FEW DOL, CALC, GLAU, PYR.		NF
9035 -	9040	70 SH 10 SLTST 20 SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, QTZOSE, 100%VF GRAINS, SL CALC, SLTY SS, W CMT HD, P VIS POR. ACC : FEW DOL, CALC.		NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
9040 -	9045	80 SH 10 SLTST 10 SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : CALC, DOL.		NF
9045 -	9050	70 SH 10 SLTST 20 SS	GY, DK GY, DK BN'SH GY, NON CALC, FISS, FRM-V V HD GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, LT GY, QTZOSE, 100%VF-F GRAINED, SL CALC CMT IN PT, SLTY SS, DIRTY, TT, HD, V P VIS IN GRAN POR		NF
9050 -	9055	80 SH 10 SLTST 10 SS	GY, DK GY, DK BN'SH GY, FISS, SPLTY IN PT, NON CALC, MICR MIC, CARB IN PT, FRM TO HD. GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, LT GY, QTZOSE, 100%VF GRAINS, SL CALC, CMT IN PT SLTY SS, W CEMENTED, FEW VF GRAINS, CLY MTX, GLAU, FRI IN PT, SFT, DIRTY SS. ACC : FEW CALC, DOL PYR, GLAU.		NF
9055 -	9065	70 SH 10 SLTST 20 SS	GY, DK GY, DK BN'SH GY, FISS, SPLTY IN PT, NON CALC, MICR MIC, CARB IN PT, FRM TO HD. GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, GY'SH WH, QTTZOSE, 100%VF-F GRAINED, W SRTD, NON CALC, MNR SL CALC, W CEMENTED, SLTY DIRTY, TT, MOD HD, P VIS POR. ACC : FEW DOL, CALC, PYR.	5	YELL SL BRI V. V. POOR CUT.
9065 -	9070	90 SH 10 SLTST	GY, DK GY, DK BN'SH GY, FISS, SPLTY IN PT, NON CALC, MICR MIC, CARB IN PT, FRM TO HD. GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. ACC : FEW DOL, CALC, MILLONITE, PYR.		NF
9070 -	9075	40 SH 50 SS 10 SLTST	GY, DK GY, DK BN'SH GY, FISS, SPLTY IN PT, NON CALC, MICR MIC, CARB IN PT, FRM TO HD. GY, GN'SH GY, BECAUSE THE HIGH PERCENTAGE CONTENT OF GLAUCONITE (30 - 40%); GLAUCONITIC SS, F-M GRAINED CLY MTX, NON CALC, V SL CALC CMT IN PT, FRI. IT'S A QUARTZ SANDSTONE RICH IN GLAUCONITE GRAINS KEY BED...? GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM.		NF
9075 -	9080	80 SH 10 SLTST 10 SS	GY, DK GY, DK BN'SH GY, FISS, SPLTY IN PT, NON CALC, MICR MIC, CARB IN PT, FRM TO HD. GY, LT GY, BLKY, SL CALC, MICR CARB, MOD FRM. GY, QTZOSE, 100%VF-F GRAINED, W SRTD, SL CALC CMT		NF
9080 -	9090	100 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY , NON CALC, MNR CALC HD.		NF



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			ACC : FEW DOL, PYR, CALC.		
9090 -	9100	100 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR CALC HD.		NF
9100 -	9110	90 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, V COMPACT-TO HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		TR SS	GY, QTZOSE, 100%VF-F, NON CALC, MNR SLTY, DIRTY, TT HD.		
			ACC : FEW BN DOL, PYR.		
9110 -	9120	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, V COMPACT-TO HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		10 SS	GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SHLY MTX DIRTY, MNR MICR MIC, SL MICR CARB, TT, HD.		
			ACC : FEW DOL, PYR		
9120 -	9130	70 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.		NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		10 SS	GY, QTZOSE, 100%VF-F GARINED, SLTY, TT HD.		
			ACC : FEW DOL, CALC, PYR, GLAU.		
9130 -	9135	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.	5	YELL BRI IN SS
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		10 SS	WH, QTZOSE, 100%VF-F GRAINED, CLEAN.		
9135 -	9140	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.	5	YELL BRI IN SS
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		10 SS	WH, QTZOSE, 100%VF-F GRAINED, CLEAN.		
9140 -	9145	70 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.		NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.		
		10 SS	WH, QTZOSE, 100%VF-F GRAINED, CLEAN.		
			ACC : FEW CALC, GLAU.		
9145 -	9150	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL	5	WTFSH YELL



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
		10 SLTST	CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD. GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.	BRI, IN SS
		10 SS	WH, QTZOSE, 100%VF-F GRAINED, CLEAN. ACC : V L BOTROID GLAU, FEW PIECES OF GLAU F GRAINED GY SS.	
9150 -	9155	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB IN PT, V FRM MNR HD.	
		10 SS	GY, GN'SH GY, QTZOSE, 100%VF-F GRAINED, NON CALC PYR IN PT, FRM.	
9155 -	9160	90 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : GLAU, DOL, CALC.	
9160 -	9165	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, GN'SH GY, QTZOSE, 100%VF-F GRAINED, NON CALC PYR IN PT, FRM. ACC : FEW GLAU, DOL, CALC, DULL PYR, LITT MICR FOSS	
9165 -	9170	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, GN'SH GY, QTZOSE, 100%VF-F GRAINED, NON CALC PYR IN PT, FRM. ACC : COMM MICR FOSS, GLAU, CALC, DOL.	
9170 -	9175	90 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	5 YELL BRI
		10 SS	WH, GY'SH WH, LY GY, QTZOSE, 100%VF-F GRAINED ACC : COMM MICR FOSS, FEW CALC, GLAU, PYR	IN WH SS
9175 -	9180	90 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		TR SS	ACC : GLAU, DOL, PYR.	
9180 -	9185	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, GY'SH WH, QTZOSE, QTZ, 100%VF-F GRAINED, HD.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			ACC : GLAU, PYR, CALC, DOL.		
9185 -	9190	70 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.		NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, GY'SH WH, QTZOSE, QTZ, 100%VF-F GRAINED, HD. ACC : FEW DOL, BIG PIECES OF BRI PYR.		
9190 -	9195	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, V CARB IN PT, MNR GLAU, FRM-HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, GY'SH WH, QTZOSE, QTZ, 100%VF-F GRAINED, HD. ACC : COMM MICR FOSS, COMM BN DOL.		
9195 -	9200	70 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.	5	WH'SH YELL BRI IN WH SS
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		20 SS	WH, VIT, MLKY WH, QTZOSE, F, MOSTLY M GRAINED, SB ANG/SB RND, W SRTD, FRI. GY, LT GY, QTZOSE, 100%VF-F GRS, NON CALC, MICR MIC MICR CARB, DIRTY SS, HD. ACC : COMM BIG PIECES OF BRI & DULL PYR.		
9200 -	9205	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	WH, VIT, MLKY WH, QTZOSE, F, MOSTLY M GRAINED, SB ANG/SB RND, W SRTD, FRI. GY, LT GY, QTZOSE, 100%VF-F GRS, NON CALC, MICR MIC MICR CARB, DIRTY SS, HD.		
9205 -	9215	90 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR SL CALC, MICR MIC, MICR CARB IN PT, MNR GLAU, FRM-HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : BIG PIECES, OF BRI & DULL MASS PYR, COMM MICR FOSS, FEW DOL, CALC.		
9215 -	9220	80 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, SHLY MTX, NON CALC, DIRTY SS, TT, HD. ACC : LITT MICR FOSS, FEW DOL, PYR.		
9220 -	9225	70 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.		NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, SHLY MTX, NON		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			CALC,DIRTY SS, TT, HD. ACC : LITT MICR FOSS, FEW DOL, PYR.	
9225 -	9235	80 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, DIRTY TT, HD. ACC : FEW GLAU, PYR.	
9235 -	9245	90 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : GLAU.	
9245 -	9250	90 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : FEW DOL, CALC, PYR.	
9250 -	9260	80 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, DIRTY TT, HD. ACC : DOL, CALC, PYR.	
9260 -	9270	90 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : FEW DOL, CALC, PYR.	
9270 -	9285	80 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, DIRTY TT, HD.	
9285 -	9300	70 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F, MNR M GRAINED, DIRTY TT, HD.	
9300 -	9305	70 SH	MOSTLY DK GY, NON CALC, SL MICR MIC & MICR CARB FRM TO HD.	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.	
		20 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY SS, MICR	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			CARB, DIRTY, TT, HD.		
9305 -	9315	90 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM. ACC : DOL, GLAU, PYR.		
9315 -	9320	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	YELL SL BRI.
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		20 SD	WH, QTZ, 100%VVF GRAINED, FEW M-C, SB ANG, DIRTY.		
9320 -	9325	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	YELL SL BRI V V P CUT
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		20 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9325 -	9330	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	YELL SL BRI V V P CUT.
		20 SS	GY, LT GY, MNR WH, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		20 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9330 -	9335	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		10 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9335 -	9340	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		10 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9340 -	9345	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		20 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
9345 -	9350	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		10 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9350 -	9355	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		
		10 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		10 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9355 -	9360	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		20 SS	GY, LT GY, QTZOSE, VF GRAINS, SHLY MTX, MOD HD, SL FRI N PT.		
		20 SD	WH, HY, QTZ, 100%VF,SLTY, DIRTY.		
9360 -	9365	30 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	LT YELL, SL BRI IN SS, V SLOW CUT
		40 SS	WH, QTZOSE, 90%VF-F, 10%F-M, SB ANG/SB RND, W SRTD, CALC CMT, MOD FRI, F VIS IN GRAN POR.		WH, MLKY FL ON CUT
		30 SD	WH, QTZ, 90%VF-F, 10%F-M, SB ANG/SB RND, W SRTD. ACC : FEW CALC, SLICK,		
9365 -	9370	50 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	YELL SL DULL V SLOW CUT
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		WH- MLKY SL BRI FL
		20 SS	WH, QTZOSE, 90%VF-F, 10%F-M, SB ANG/SB RND, W SRTD, CALC CMT, MOD FRI, F VIS IN GRAN POR.		ON CUT
		20 SD	WH, HY,MLKY, QTZ, 100%VF-F, SB ANG/SB RND, W SRTD. ACC : FEW MASS BRI PYR		
9370 -	9375	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		20 SS	MOSTLY GY, MNR WH, QTZOSE, VF-F, SB ANG/SB RND, W SRTD, CALC CMT, MOD FRI, F VIS IN GRAN POR. ACC : FEW GLAU, DOL, CALC, PYR.		
9375 -	9380	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		20 SS	MOSTLY GY, MNR WH, QTZOSE, VF-F, SB ANG/SB RND, W SRTD, CALC CMT, MOD FRI, F VIS IN GRAN POR. ACC : FEW DOL, CALC, PYR.		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
9380 -	9385	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.		NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, MNR WH, QTZOSE, VF-F, SB ANG/SB RND, W SRTD, CALC CMT, MOD FRI, F VIS IN GRAN POR.		
		10 SD	WH, HY, QTZ, 100%VF-F GRS, SLTY, DIRTY. FEW VC QTZ & QTZTE HACKLED FRAG. ACC : LITT MASS & DUSTY BTI PYR NOTE : FROM 9380' APPEARS COMM BOTROIDAL GLAU		
9385 -	9395	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	5	LT YELL SL BRI P CUT.
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM.		
		20 SS	GY, QTZOSE, VF-F GRAINED, SL CALC, W CMTE, DIRTY TT, HD.		
		10 SD	WH, HY, QTZ, 100%VF-F, MNR M GRAINED, SLTY, DIRTY, ACC : DOL, GLAU, CALC, PYR.		
9395 -	9405	20 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	30	LT YELL SL BRI. FAST CUT
		10 SS	WH, WH'SH GY, QTZ, 20%F-M, 80%M GRS, SL CALC, MOD FRI.		WH MLKY FL ON
		70 SD	WH, HY, VIT, MLKY, MNR DK, SMOKY, GN'SHQTZ & QTZTE, 10%F, 70%M, 20%C-VC, V ANG/SB ANG/SB RND, W-FR SRTD, CLEAN. ACC : COMM MILLONITE & CALC, FEW SHELL FRAGMENTS FEW BRI PYR		CUT. G. O. S
9405 -	9415	10 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	50 - 75	LT YELL SL BRI. FAST CUT
		10 SS	WH, WH'SH GY, QTZ, 20%F-M, 80%M GRS, SL CALC, MOD FRI.		WH MLKY FL ON
		80 SD	WH, HY, VIT, MLKY, DK, SMOKY, GN'SH, FEW PYR QTZTE 10%F, 20%M, 60%C-VC, 10%VC TO PBLTY GRAINED, V ANG/ SB ANG (HACKLY), FR TO P SRTD, CLEAN. ACC : FEW BRI PYR, SHELL FRAGMENT. NOTE : MUD SAMPLE TAKEN AT 9417' W/PATCHY OIL SHOWS (15 - 30%) FAST STRMG CUT..		CUT. V. G. O. S
9415 -	9420	40 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	30	YELL SL BRI TO BRI, FAST CUT,
		10 SS	WH, WH'SH GY, QTZ, 20%F-M, 80%M GRS, SL CALC, MOD FRI.		WH MLKY FL ON
		50 SD	WH, HY, VIT, MLKY, DK, SMOKY, GN'SH, FEW PYR QTZTE 10%F, 20%M, 60%C-VC, 10%VC TO PBLTY GRAINED, V ANG/ SB ANG (HACKLY), FR TO P SRTD, CLEAN.		CUT. G. O. S.
9420 -	9425	50 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	15 - 30	YELL SL BRI TO BRI, FAST CUT,
		20 SS	WH, WH'SH GY, QTZ, 20%F-M, 80%M GRS, SL CALC, MOD FRI.		WH MLKY FL ON
		30 SD	WH, HY, QTZ, 40%F-M, 40%M, 20%C-VC GRAINS, FEW PBLTY		CUT. G. O. S.



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			SB ANG/SB RND, MNR ANG TO V ANG (HACKLED, FR-P SRTD CLEAN. ACC : FEW CALC, PYR, MILLONITE,		
9452 -	9430	50 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	30	YELL SL BRI TO BRI, MOD CUT
		10 SS	WH, QTZOSE, F-M, M-C GRAINED, SL CALC, MOD FRI, CLEAN		WH MLKY FL ON
		40 SD	WH, HY, VIT, MLKY, SMOKY, GN'SH GY, QTZ, 80%M-C 20%C-VC, ANG/SB ANG/SB RND, HACKLED IN PT, FR-P SRTD CLEAN. ACC : FEW CALC, MILLONITE, PYR.		CUT.
9430 -	9436	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, V COMPACT, HD.	15 - 30	YELL SL BRI MOD CUT
		10 SS	WH, QTZOSE, F-M, M-C GRAINED, SL CALC, MOD FRI, CLEAN		WH MLKY FL ON
		30 SD	WH, HY, VIT, MLKY, SMOKY, QTZ, 70%M-C, 20%C, 10%VC GRAINED, SB ANG/SB RND, P SRTD, CLEAN, FEW PYR QTZTE ACC : MILLONITE, CALC, PYR.		CUT.
9436 -	9440	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI MOD CUT
		20 SS	WH, GY'SH WH, 100%VF-F GRAINED, SL CALC, W CMTE DIRTY, MOD HD, P VIS POR.		
		20 SD	WH, HY, VIT, SMOKY, FEW GN'SH, QTZ, 10%VF-F, 80%M, 10%C-VC GRAINED, P SRTD, CLEAN.		
9440 -	9445	50 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5 - 15	YELL SL BRI MOD CUT
		30 SS	WH, GY'SH WH, QTZOSE, 50%VF-F, 30%F-M, 20%M-C GRAINS SB ANG/SBB RND, FR SRTD, CALC CMT, SLTY MTX, FRI-LSE FR VIS POR.		
		20 SD	WH, HY, SMOKY, QTZ, 20%F, 40%M, 30%C, 10%VC GRAINED SB ANG/SB RND, P SRTD, FEW PBL, CLEAN. ACC : CALC.		
9445 -	9450	30 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5 - 15	YELL DULL MOD CUT
		20 SS	WH, GY'SH WH, QTZOSE, 50%VF-F, 30%F-M, 20%M-C GRAINS SB ANG/SBB RND, FR SRTD, CALC CMT, SLTY MTX, FRI-LSE FR VIS POR.		
		50 SD	WH, HY, MLKY WH, SMOKY WH, FEW DK GRS, FEW GN'SH QTZ, 20%F-M, 40%M, 30%C, 10%VC, FEW PBL, SB ANG/SB RND, P SRTD, CLEAN.		
9450 -	9455	30 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	15 - 30	YELL DULL MOD CUT
		30 SS	WH, GY'SH WH, QTZOSE, 50%VF-F, 30%F-M, 20%M-C GRAINS SB ANG/SBB RND, FR SRTD, CALC CMT, SLTY MTX, FRI-LSE		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		40 SD	FR VIS POR. WH, HY, MLKY WH, SMOKY WH, FEW DK GRS, FEW GN'SH QTZ, 20%F-M, 40%M, 30%C, 10%VC, FEW PBLY, SB ANG/SB RND, P SRTD, CLEAN.		
9455 -	9460	40 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	15	YELL DULL MOD CUT
		30 SS	WH, GY'SH WH, QTZOSE, 50%VF-F, 30%F-M, 20%M-C GRAINS SB ANG/SBB RND, FR SRTD, CALC CMT, SLTY MTX, FRI-LSE FR VIS POR.		
		30 SD	WH, HY, MLKY WH, SMOKY WH, FEW DK GRS, FEW GN'SH QTZ, 10%F-M, 50%M, 30%C, 10%VC, FEW PBLY, SB ANG/SB RND, P SRTD, CLEAN.		
9460 -	9465	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	15	YELL SL BRI FL IN SS
		20 SS	WH, GY'SH WH, FEW SMOKY WH, 100%F, SL CALC, W CMTE TT, HD.		MOD CUT
		20 SD	WH, HY, VIT, SMOKY, FEW MLKY WH, GN'SH, QTZ, 10%F, 50%M-C, 20%C, 20%VC-VVC, SOME PBLY, P SRTD, CLEAN. ACC : CALC, MASS PYR, DOL.		
9465 -	9475	60 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5 - 15	YELL SL BRI FL IN SS
		30 SS	WH, GY'SH WH, FEW SMOKY WH, 100%F, SL CALC, W CMTE TT, HD.		MOD CUT
		10 SD	WH, HY, VIT, SMOKY, FEW MLKY WH, GN'SH, QTZ, 10%F, 50%M-C, 20%C, 20%VC-VVC, SOME PBLY, P SRTD, CLEAN.		
9475 -	9480	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		20 SS	WH, GY'SH WH, QTZOSE, 100%VF-F, SB ANG/SB RND, W SRTD SL CALC, MOD FRI IN PT, TT, MOD HD.		MOD CUT
		10 SD	WH, HY, VIT, QTZ, M-C, C-VC, MNR F GRAINED, W SRTD, SB ANG/SB RND, CLEAN. ACC : CALC, DOL.		
9480 -	9485	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		20 SS	WH, GY'SH WH, QTZOSE, 100%VF-F, SB ANG/SB RND, W SRTD SL CALC, W/MICR CARB INCL, GN MNRL INCL, TT, MOD HD.		MOD CUT
		10 SD	WH, HY, FEW GN'SH, QTZ, 10%F-M, 90%C TO VC, W SRTD CLEAN.		
9485 -	9490	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		20 SS	WH, GY'SH WH, WH'SH, QTZOSE, 100%VF-F, SL CALC CMT W CEMENTED, MOD FRI IN PT, MOD HD, P VIS POR.		MOD CUT



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		TR SD			
			ACC : DOL, CALC.		
9490 -	9495	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.		NF
		10 SLTST	GY, WH'SH GY, BLKY, NON CALC, SL MICR MIC, MICR CARB, FRM.		
		10 SS	WH, GY'SH WH, WH'SH, QTZOSE, 100%VF-F, SL CALC CMT W CEMENTED, MOD FRI IN PT, MOD HD, P VIS POR.		
9495 -	9500	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		10 SS	WH, SMOKYWH, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED, W/SL MICR CARB INCL, SLTY SS, TT, HD.		MOD CUT
		10 SD	WH, HY, VIT, SMOKY, FEDW MLKY WH, QTZ & QTZTE, 10%F-M, 90%C-VC, SOME PBLY HACKLED, ANG/SB ANG/ SB RND, P SRTD, CLEAN.		
9500 -	9505	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		20 SS	GY, WH'SH GY, QTZOSE, MOOSTLY F GRS, SL CALC, V TT, SLTY SS, HD.		MOD CUT
		TR SD			
			ACC : MASS PYR, CALC.		
9505 -	9510	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.	5	YELL SL BRI FL IN SS
		10 SS	GY, WH'SH GY, QTZOSE, MOOSTLY F GRS, SL CALC, V TT, SLTY SS, HD.		MOD CUT
		10 SD	WH, SMOKY WH, MLKY WH, FEW GN'SH, MOSTLY VC TO PBLY, SOME HACKLED, OCC M GRAINS, ANG/SB ANG, P SRTD, CLEAN. ACC ; CALC, MILLONITE, DOL.		
9510 -	9515	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.		NF
		10 SLTST	GY, WH'SH GY, BLKY, NON CALC, SL MICR MIC, MICR CARB, FRM.		
		10 SS	GY, WH'SH GY, QTZOSE, MOOSTLY F GRS, SL CALC, V TT, SLTY SS, HD. ACC : DOL, CALC.		
9515 -	9525	80 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.		NF
		10 SLTST	GY, WH'SH GY, BLKY, NON CALC, SL MICR MIC, MICR CARB, FRM.		
		10 SS	GY, WH'SH GY, QTZOSE, MOOSTLY F GRS, SL CALC, V TT, SLTY SS, HD.		



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
			ACC : DOL, CALC, MASS PYR.		
9525 -	9535	70 SH	GY, DK GY, DK BN'SH GY, FISS. SPLTY, NON CALC, FRM TO HD.		NF
		20 SLTST	GY, WHSH GY, BLKY, NON CALC, SL MICR MIC, MICR CARB, FRM.		
		10 SS	GY, GY'SH WH, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED, SLTY SS, W/SL MICR CARB INCL, MICR MIC, TT, HD. ACC : DOL, CALC.		
9535 -	9540	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.	5	YELL DULL VV P CUT.
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		20 SS	MOSTLY WH, MNR GY, QTZOSE, 100%VF-F GRAINED, NON CALC, P VIS IN GRAN POR. WH SS, VIT, MLKY WH, HY, MNR SMOKY & GN'SH, QTZ, 100%F GRAINED, SB ANG/SB RND, W SRTD, NON CALC CMT V SL CALC IN PT, W CEMENTED, W/MICR MIC, TT, P VIS IN GRAN POR. ACC : COMM BN DOLOMITE, FEW CALC, GLAU, FEW DULL PYR.		
9540 -	9545	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.	5	YELL DULL VV P CUT.
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		20 SS	MOSTLY WH, MNR GY, QTZOSE, 100%VF-F GRAINED, NON CALC, P VIS IN GRAN POR. WH SS, VIT, MLKY WH, HY, MNR SMOKY & GN'SH, QTZ, 100%F GRAINED, SB ANG/SB RND, W SRTD, NON CALC CMT V SL CALC IN PT, W CEMENTED, W/MICR MIC, TT, P VIS IN GRAN POR. ACC : COMM BN DOLOMITE, FEW CALC, GLAU, FEW DULL PYR.		
9545 -	9550	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.		NF
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		10 SS	GY, LT GY, 100%VF-F GRAINED, NON CALC, SL CALC IN PT SLTY SS, DIRTY SS, TT, HD. ACC : DOL, FEW PYR, CALC, GLAU.		
9550 -	9555	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.	5	YELL DULL VV P CUT
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB,		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
		20 SS	MOD FRM. GY, LT GY, 100%VF-F GRAINED, NON CALC, SL CALC IN PT SLTY SS, DIRTY SS, TT, HD. ACC : DOL, FEW PYR, CALC, GLAU.		
9555 -	9565	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.		NF
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		10 SS	GY, LT GY, 100%VF-F GRAINED, NON CALC, SL CALC IN PT SLTY SS, DIRTY SS, TT, HD. ACC : FEW DOL, CALC.		
9565 -	9570	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC, MICR CARB IN PT, MOD HD TO HD.	5	YELL SL BRI TO DULL
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		NO CUT
		20 SS	WH, GY, GY'SH WH, QTZOSE, F-M, M-C; IT SI A M TO C GRS SS IN A FINE GRAINED MATRIX, SL CALC CMT, V W CMTD, TT, HD, P VIS IN GRAN POR. NOTE : INCREASE DRILLING RATE & GAS READINGS FROM 90 UNITS TO 130 UNITS.		
9570 -	9580	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		10 SS	GY, LT GY, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD W CEMENTED, DIRTY, TT, HD, VP IN GRAN POR. ACC : FEW DOL, CALC, GLAU.		
9580 -	9585	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		
		10 SS	GY, LT GY, 100%VF-F GRAINED, SB ANG/SB RND, W SRTD W CEMENTED, DIRTY, TT, HD, VP IN GRAN POR. ACC : FEW DOL, CALC, GLAU.		
9585 -	9590	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	5	LT YELL SL BRI IN WH SS
		10 SLTST	GY, LT GY, BLKY, NON CALC, MICR MIC, MICR CARB, MOD FRM.		VP CUT.
		20 SS	WH, VIT, MLKY WH, QTZOSE, 100%F GRAINED, SB ANG/SB RND, W SRTD, SL CALC CMT, HD, P VIS POR. MNR GY, 100%VF-F, SLTY, DIRTY, TT, HD		
9590 -	9595	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC		NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			MICR CARB IN PT, MOD HD TO HD	
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, LT GY, 100%VF-F GRAINED, SL CALC CMT IN PT, DIRTY, TT, HD. ACC : FEW DOL, CALC.	
9595 -	9610	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	TR	SS	GY, LT GY, 100%VF-F GRAINED, SL CALC CMT IN PT, ACC : DOL, CALC.	
9610 -	9615	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, LT GY, 100%VF-F GRAINED, SL CALC CMT IN PT, ACC : DOL, CALC.	
9615 -	9620	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM. ACC : FEW DOL, CALC.	
9620 -	9645	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, 100%VF-F GRAINED, SL CALC, W CEMENTED, DIRTY TT, HD, V P VIS POR.	
9645 -	9655	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	20	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, 100%VF-F GRAINED, SL CALC, W CEMENTED, DIRTY TT, HD, V P VIS POR.	
9655 -	9660	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, 100%VF-F GRAINED, SL CALC, W CEMENTED, DIRTY TT, HD, V P VIS POR.	
9660 -	9665	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	20	SS	WH, MNR GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED, DIRTY, TT, HD. ACC : FEW DOL, CALC.	



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GEOLOGIST CONTRACTOR:
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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
9665 -	9675	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED DIRTY, TT, HD. ACC : FEW DOL, CALC.		
9675 -	9685	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED FEW V CARB, SLTY SH, DIRTY, TT, HD. ACC : FEW DOL, INCREASE PYR.		
9685 -	9690	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, QTZOSE, 100%VF-F GRAINED, SL CALC, W CEMENTED FEW V CARB, SLTY SH, DIRTY, TT, HD. ACC : FEW DOL, INCREASE PYR.		
9690 -	9695	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	5	YELL SL BRI TO DULL. V V P CUT
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	WH, QTZOSE, 100%VF-F GRAINED, SL CALC, MOD HD.		
		TR SD	HY, QTZ, 100%VF-F GRAINS, SLTY DIRTY. ACC : FEW DOL, CALC, LITT BRI PYR.		
9695 -	9700	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	MOSTLY GY, QTZOSE, 100%VF-F GRAINED, SLTY, TT, HD.		
		TR SD	HY, QTZ, 100%VF-F GRAINS, SLTY DIRTY. ACC : FEW DOL, CALC, LITT BRI PYR.		
9700 -	9705	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD		NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	MOSTLY GY, QTZOSE, 100%VF-F GRAINED, SLTY, TT, HD. ACC : FEW DOL, CALC, LITT BRI PYR.		
9705 -	9710	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	5	LT YELL BRI P CUT
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		20 SS	MAINLY WH, HY, MLKY WH, QTZOSE, 80%F-M, 20%M-C SB ANG/SB RND, NON CALC, MOD HD, CLEAN SS		
9710 -	9715	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC		NF



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			MICR CARB IN PT, MOD HD TO HD	
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, LT GY, QTZOSE, 100%VF-F, SB ANG/SB RND, NON CALC SLTY, TT, HD. ACC : FEW PYR, DOL, CALC.	
9715 -	9720	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	TR	SS	GY, LT GY, QTZOSE, 100%VF-F, SB ANG/SB RND, NON CALC SLTY, TT, HD.	
9720 -	9730	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, LT GY, QTZOSE, 100%VF-F, SB ANG/SB RND, NON CALC SLTY, TT, HD.	
9730 -	9740	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM. ACC : FEW DOL, PYR, CALC.	
9740 -	9745	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, QTZOSE, 100%VF-F, SL CALC, W CEMENTED, MICR MIC MICR CARB, DIRTY, TT, HD, V P VIS POR.	
9745 -	9750	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, QTZOSE, 100%VF-F, SL CALC, W CEMENTED, MICR MIC MICR CARB, DIRTY, TT, HD, V P VIS POR.	
	TR	SD	HY, 100%VVF GRAINED, SLTY.	
9750 -	9755	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, QTZOSE, 100%VF-F, SL CALC, W CEMENTED, MICR MIC MICR CARB, DIRTY, TT, HD, V P VIS POR.	
	10	SD	HY, 100% VVF GRAINED, SLTY, DIRTY.	
9755 -	9765	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
	10	SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
	10	SS	GY, QTZOSE, 100%VF-F GRS, SLTY, DIRTY, TT, HD ACC : FEW AMORPHO GLAU, MASS PYR, DOL.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
9765 -	9775	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F GRS, SLTY, DIRTY, TT, HD ACC : FEW DOL, CALC.	
9775 -	9785	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		TR SS	ACC : COMM DOL, FEW MASS BRI PYR.	
9785 -	9800	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM. ACC : LITT AMORPH GLAU, FEW MASS BRI PYR, FEW DOL	
9800 -	9805	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRAINED, SL CALC CMT, W CMTEd, SLTY, TT, HD. ACC : FEW GLAU, PYR, DOL.	
9805 -	9815	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SL CALC CMT, V W CEMENTED, DIRTY, HD.	
9815 -	9830	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100% VF-F GRAINED, SLTY, TT, HD.	
9830 -	9835	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		20 SS	GY, LT GY, 100%VF-F GRS, SLTY, TT, HD. ACC : FEW DOL, FEW CALC, PYR, GLAU.	
9835 -	9840	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SLTY, TT, HD. ACC : DOL, CALC, PYR, GLAU.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
9840 -	9850	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SLTY, TT, HD. ACC : AMORPH GLAU, FEW DOL, CALC, PYR.	
9850 -	9855	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	5 WHTSH YELL
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	SL BRI.
		20 SS	WH, VIT, MLKY WH, QYZOSE, 80%F, 20%M GRAINED, SL CALC, W SRTD, CLEAN, MOD HD. MNR GY, LT GY, 100% VF-F GRS, SL CALC CMT, W CMTEd, DIRTY, TT, HD. ACC : FEW DOL, CALC, PYR.	P CUT.
9855 -	9860	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		20 SS	WH, VIT, MLKY WH, QYZOSE, 80%F, 20%M GRAINED, SL CALC, W SRTD, CLEAN, MOD HD. MNR GY, LT GY, 100% VF-F GRS, SL CALC CMT, W CMTEd, DIRTY, TT, HD.	
9860 -	9875	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		TR SS	GY, LT GY, 100%VF-F GRS, SLTY, HD. ACC : DOL, CALC, GLAU.	
9875 -	9880	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SLTY, TT, HD. ACC : FEW MASS BRI PYR, DOL, CALC.	
9880 -	9890	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM. ACC : PYR, DOL, CALC.	
9890 -	9905	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SLTY, TT, HD.	
9905 -	9915	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	



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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			ACC : FEW PYR COAL FRAG, FEW DOL, FEW CALC.	
9915 -	9925	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SL CALC, V W CMTEd, DIRTY, TT, HD, VV P IN GRAN VIS POR.	
9925 -	9935	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		TR SS	ACC : FEW DOL, CALC.	
9935 -	9950	90 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		TR SS	ACC : FEW DOL, CALC.	
9950 -	9960	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SL CALC, V W CMTEd, SLTY, TT, HD, V P IN GRAN VIS POR.	
9960 -	9965	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, LT GY, 100%VF-F GRS, SL CALC, V W CMTEd, SLTY, TT, HD, V P IN GRAN VIS POR. ACC : FEW MASS CALC.	
9965 -	9970	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5 YELL SL BRI TO DULL
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	V V P CUT
		20 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, W CMTEd, DIRTY, TT, HD.MNR WH, 100% VF-F GRS, NON CALC, MOD FRI, CLEAN. ACC : FEW DOL, GLAU, CALC, MICR FOSS,	
9970 -	9975	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	N F
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, W CMTEd, DIRTY, TT, HD. ACC " FEW DOL, CALC, GLAU, MICR FOSS.	



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	%	FLUORESCENCE & CUT
9975 -	9980	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5	LT YELL SL BRI V V P CUT
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY & WH'SH, WH'SH W/FLUOR, 100%GRS, NON CALC, W CEMENTED, DIRTY, TT, HD.		
		10 SD	HY, VF-F SILTY 100% , DIRTY W/ FLUOR.		
9980 -	9985	60 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5	LT YELL SL BRI V V P CUT
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, W CMTEd, DIRTY, TT, HD.MNR WH, W/FL		
		20 SD	HY, VIT, QTZ, 100%VF-F GRS, DIRTY W/ FL ACC : FEW MASS BRI PYR, GLAU, DOL, CALC...		
9985 -	9990	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.		NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, W CMTEd, DIRTY, TT, HD. ACC : FEW MASS BRI PYR, GLAU, DOL, CALC...		
9990 -	9995	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5	LT YELL SL BRI V P CUT.
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, W CMTEd, DIRTY, TT, HD.MNR WH, W/FL		
		10 SD	HY, VIT, QTZ, 100%VF-F GRS, DIRTY W/ FL		
9995 -	10000	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.		NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		10 SS	GY, LT GY, 100%VF-F GRS, SL CALC, SLTY, DIRTY, TT, HD V P IN GRAN VIS POR. ACC : FEW DOL, MASS CALC.		
10000 -	10005	60 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5	LT YELL SL BRI V P CUT
		20 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		20 SS	MOSTLY GY, LT GY, QTZOSE, 100% VF-F GRAINED, NON CALC & MNR WH, WH'SH GY, 100% VF-F GRAINED, SL CALC MOD HD, W/FLUOR. ACC : FEW DOL, CALC, PYR.		
10005 -	10008	70 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	5	LT YELL SL BRI V P CUT
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.		
		20 SS	WH'SH GY, LT GY, QTZOSE, 100% VF-F GRAINED, NON		



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FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			CALC, MOD HD. ACC ; FEW DOL, CALC, GLAU.	
10008 -	10010	80 SH	GY, DK GY, BN'SH GY, FISS, SPLTY, NON CALC, MICR MIC MICR CARB IN PT, MOD HD TO HD.	NF
		10 SLTST	GY, BLKY, MICR MIC, MICR CARB, FRM.	
		10 SS	WH'SH GY, LT GY, QTZOSE, 100% VF-F GRAINED, SLTY, DIRTY, TT, HD.	
10010 -	10015	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR MICR MIC, MICR CARB, COMPACT, HD	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM TO MOD SFT.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY, DIRTY, TT, HD. & LITT WH SS, 100%VF-F GRS, NON CALC, SL FRI IN PT, MOD HD, CLEAN. W/LT YELL SL BRI FLUOR (TR) NOTE : IN MOST OF THESE SHALY SEQUENCES WERE DETECTED THIN AND VERY THIN INTERBEDDED VERY FINE TO FINE SANDSTONES, OCCASIONALLY WITH HYDROCARBON FLUORESCENCE AND VERY POOR CUT.	
10015 -	10020	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR MICR MIC, MICR CARB, COMPACT, HD	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM TO MOD HD.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY, DIRTY, TT, HD. & LITT WH SS, 100%VF-F GRS, NON CALC, SL FRI IN PT, MOD HD, CLEAN. ACC : FEW DOL, CALC, BOTROID GLAU, FEW PIECES OF. DUSTY PYR CONCRETION, ASSOCIATED W/ GLAU.	
10020 -	10035	70 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR MICR MIC, MICR CARB, COMPACT, HD	NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM TO MOD HD.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY, DIRTY, TT, HD. & LITT WH SS, 100%VF-F GRS, NON CALC, SL FRI IN PT, MOD HD, CLEAN. ACC : DOL, CALC, GLAU.	
10035 -	10040	80 SH	GY, DK GY, DK BN'SH GY, FISS, SPLTY, NON CALC, MNR MICR MIC, MICR CARB, COMPACT, HD	NF
		10 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM TO MOD HD.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY, DIRTY, TT, HD. & LITT WH SS, 100%VF-F GRS, NON CALC, SL FRI IN PT, MOD HD, CLEAN.	

PETROTECH PERUANA S.A.
WELL: LO16-23
LOBITOS OFFSHORE



DRILLING: Spud on Dec-2nd, 1997 @ 10.30 a.m.

GEOLOGIST CONTRACTOR:
J.J. PETROLOG

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DITCH SAMPLE DESCRIPTION REPORT

FROM (FT)	TO (FT)	% LITHO.	DESCRIPTION	% FLUORESCENCE & CUT
			ACC : DOL, CALC, GLAU.	
10040 -	10043	70 SH	GY, DK GY, DK BN ^{SH} GY, FISS, SPLTY, NON CALC, MNR MICR MIC, MICR CARB, COMPACT, HD	NF
		20 SLTST	GY, BLKY, NON CALC, MICR MIC, MICR CARB, FRM TO MOD HD.	
		10 SS	GY, LT GY, QTZOSE, 100%VF-F GRAINED, SLTY, DIRTY, HD, MNR WH, 100%VF-F GRAINED, NON CALC, SL CALC IN PT, MOD HD, W/LT YELL SL BRI FLUOR, V V P CUT(5%) ACC : FEW DOL, BOTROID CALC, MASS & DUSTY CONCRETIONS BRI PYR, TR CALC.	

DRILLING STOPPED AT THE FTD OF 10043';
ON JANUARY 6th 1998 AT 8:00 PM.