2-6
EDITADO

GEARHART

DUAL LATEROLOG

FILING NO.

WORKING WELL FILE
GEOSCIENCES

FIELD PRINT

COMPANY	BELCO PETROLEUM CORP OF PERU
WELL	Z2A-21-629-X~~A~~D-LO6 (LO6-9X)
FIELD	LOBITOS OFFSHORE
COUNTY	TALARA
STATE	PIURA
LOCATION:	N: 9'509,031.28 m 1'598,636.38 m. E: 459,312.27 m. 128.663.07 m.
Other Services	CDL-CNL-GR HDT-GR S.T.
SEC	
TWP	4
RGE	

Permanent Datum SEA LEVEL Elev. 0'
Log Measured from K.B. 50 Ft. Above Perm. Datum
Drilling Measured from K.B.

Elev.: K.B. 50'
D.F. 49'
G.L. -335'

Date	JULY-22-85			
Run No.	ONE			
Depth—Driller	8860'			
Depth—Logger	8834'			
Bottom Logged Interval	8820'			
Top Logged Interval	350'			
Casing—Driller	9⅝ @ 2494'	@	@	@
Casing—Logger	2494'			
Bit Size	7⅞"			
Type Fluid in Hole	HIGH SALINITY FLOW LIME			
Density / Viscosity	11.4 / 62			
ph / Fluid Loss	11.5 / 3.8 cc	cc	cc	cc
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	0.11 @ 80 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	0.05 @ 74 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	0.15 @ 76 °F	@ °F	@ °F	@ °F
Source of Rmf / Rmc	M.P. / M.P.			
Rm @ BHT	0.06 @ 128 °F	@ °F	@ °F	@ °F
Time End Circulation	11:00			
Time Logger on bottom	08:15			
Max. Rec. Temp. Deg. F.	128 °F	°F	°F	°F
Equip. No. / Location	SK-7 / TALARA			
Recorded By	E. CABEZAS	C. EGACILA		
Witnessed By	J. ORTIZ			

PETRO-TECH PERUANA S.A.
GEOLOGIST WELL FILE

WORKING FILE
GEOSCIENCES

FOLD HERE

Changes in Mud Type or Additional Samples

Date	Sample No.			
Depth-Driller				
Type Fluid in Hole				
Dens.	Visc.			
pH	Fluid Loss	cc		cc
Source of Sample				
Rm @ Meas. Temp.		@ °F		@ °F
Rmf @ Meas. Temp.		@ °F		@ °F
Rmc @ Meas. Temp.		@ °F		@ °F
Source Rmf Rmc				
Rm @ BHT		@ °F		@ °F
Rmf @ BHT		@ °F		@ °F
Rmc @ BHT		@ °F		@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

DUAL LATEROLOG					GAMMA RAY		OTHER
Run No.	Tool No.	Tool Type	Tool Position	S.O.	Tool No.	Tool Type	Tool No.
ONE	1004	OILFILLED	CENT	FLEX	4345	UGR	1826
							MSFL

CALIBRATION DATA

Run No.	LLD High	LLD Low	LLD Gain	LLS High	LLS Low	LLS Gain				GAMMA RAY API Scale	GAMMA RAY BKG.	GAMMA RAY STD.
ONE			250K			180K				10	100	640

REMARKS: WE COULD NOT REGISTER MSFL LOG BECAUSE THE HOLE WAS STICKY AND EVERY TIME WE OPENNED THE CALIPER WE GOT STUCK. COMING UP WE TRY TO LOG AGAIN THE MSFL BUT THE HOLE WAS TOO BIG AND WE GOT POOR PAD CONTACT. WE GOT OVERPULLS OF AROUND 3000 # (6600 # TOTAL) WHEN GETTING STUCK.

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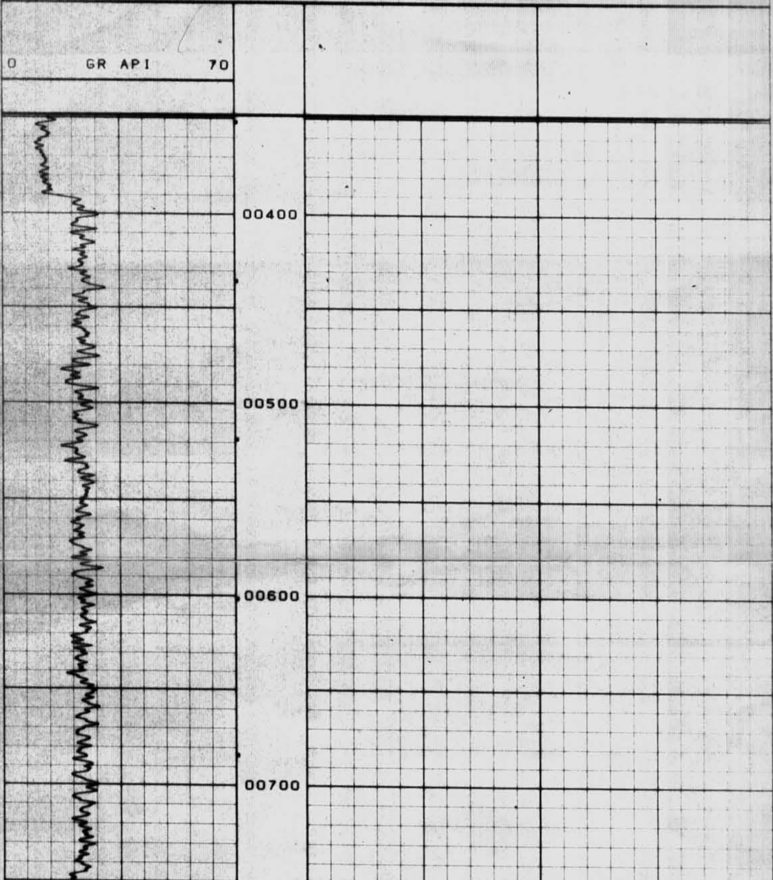
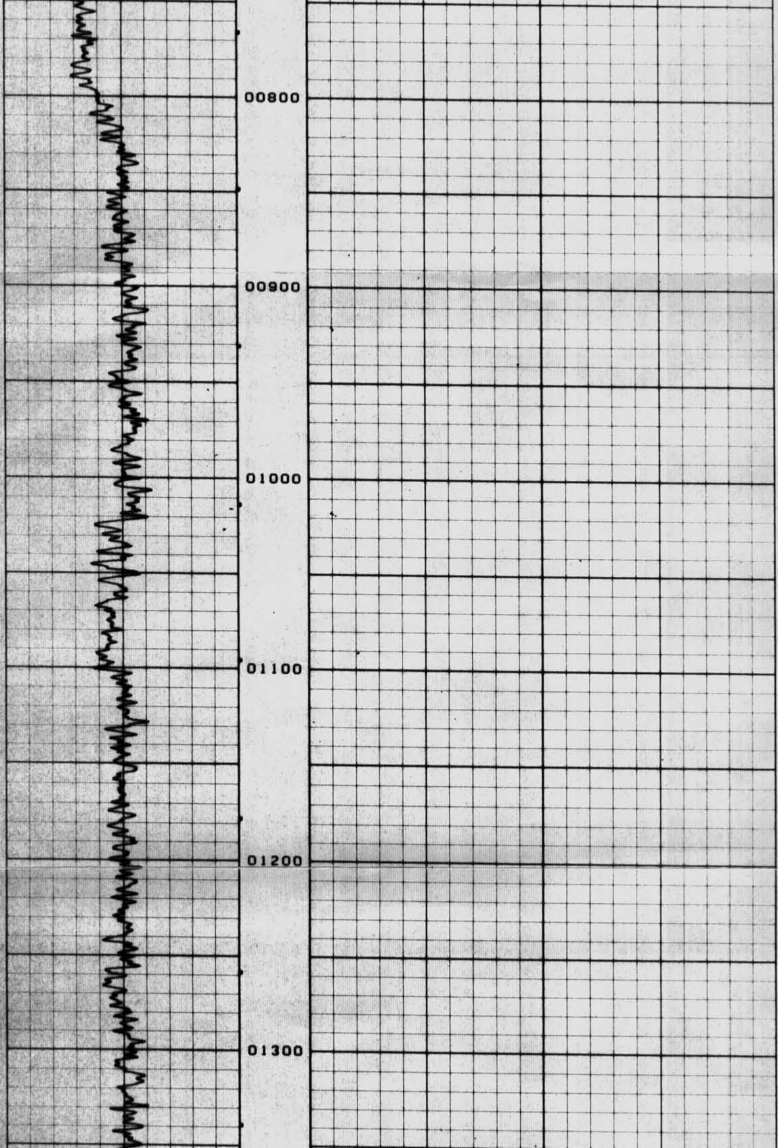
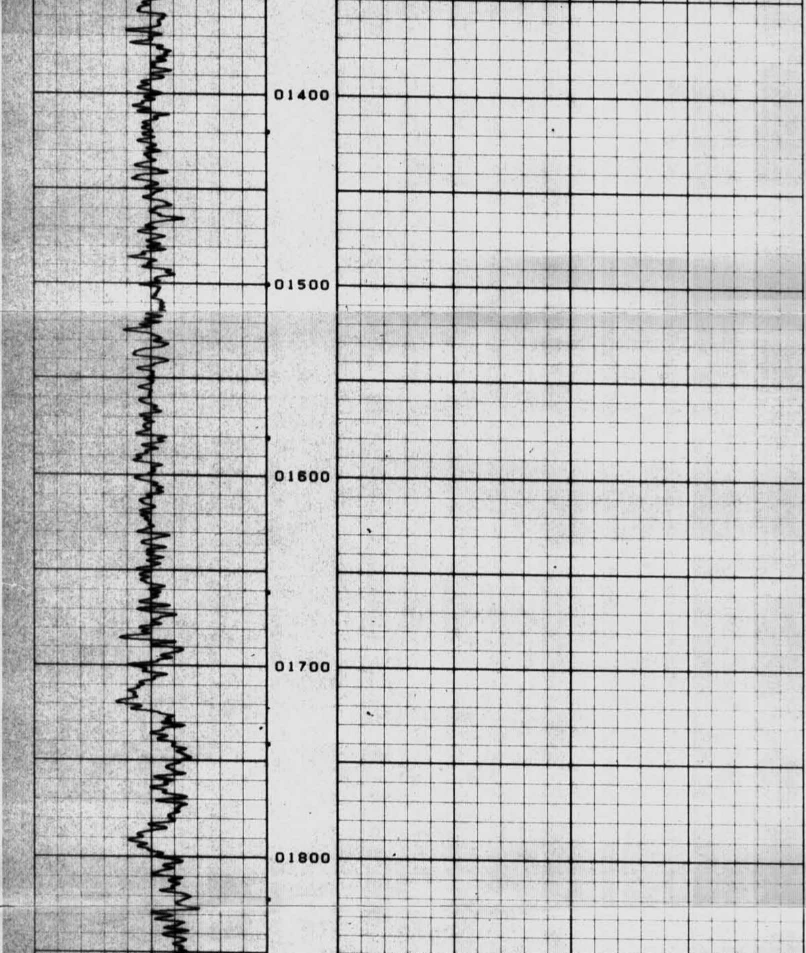
GEARHART INDUSTRIES, INC.

L06-9X

07-22-85 08:56 348.5 609 0040-20 0 9







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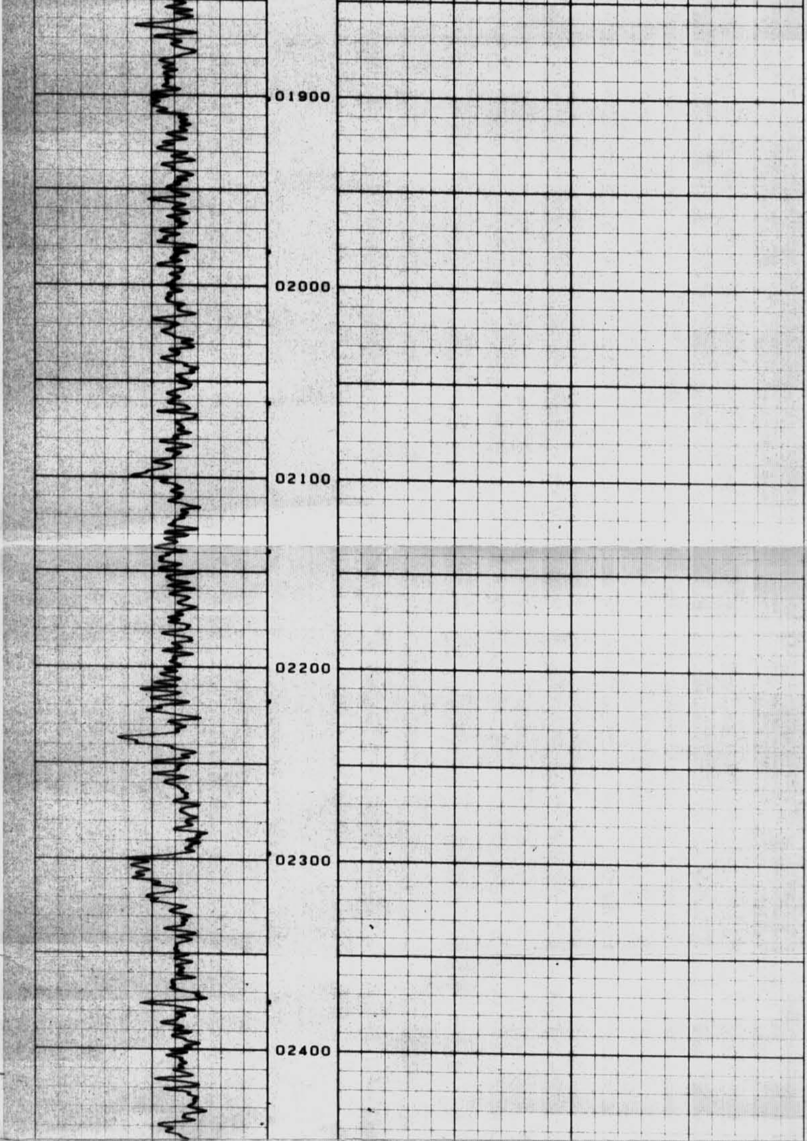
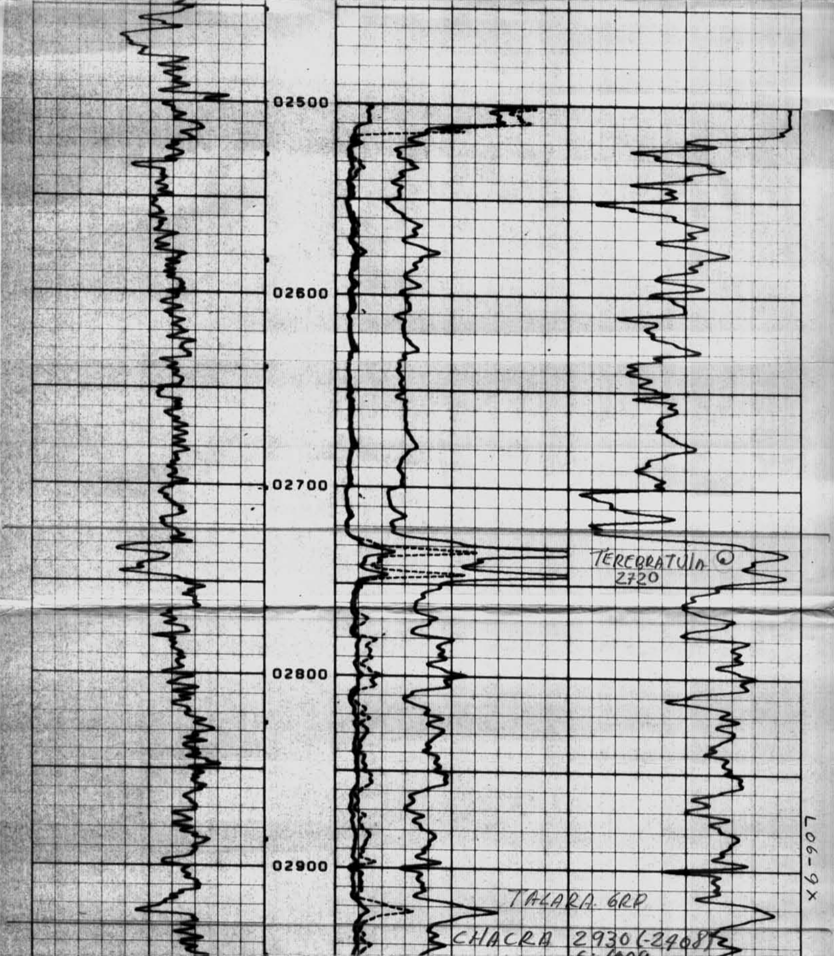
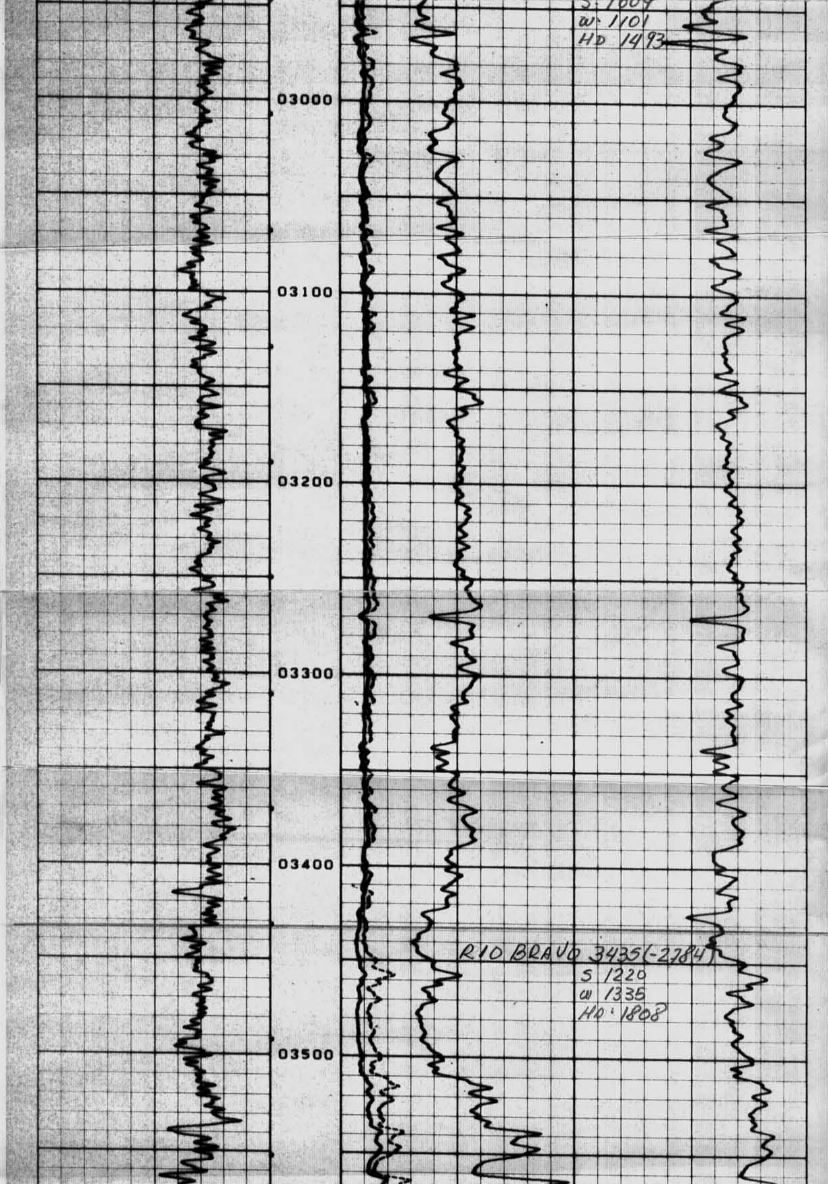
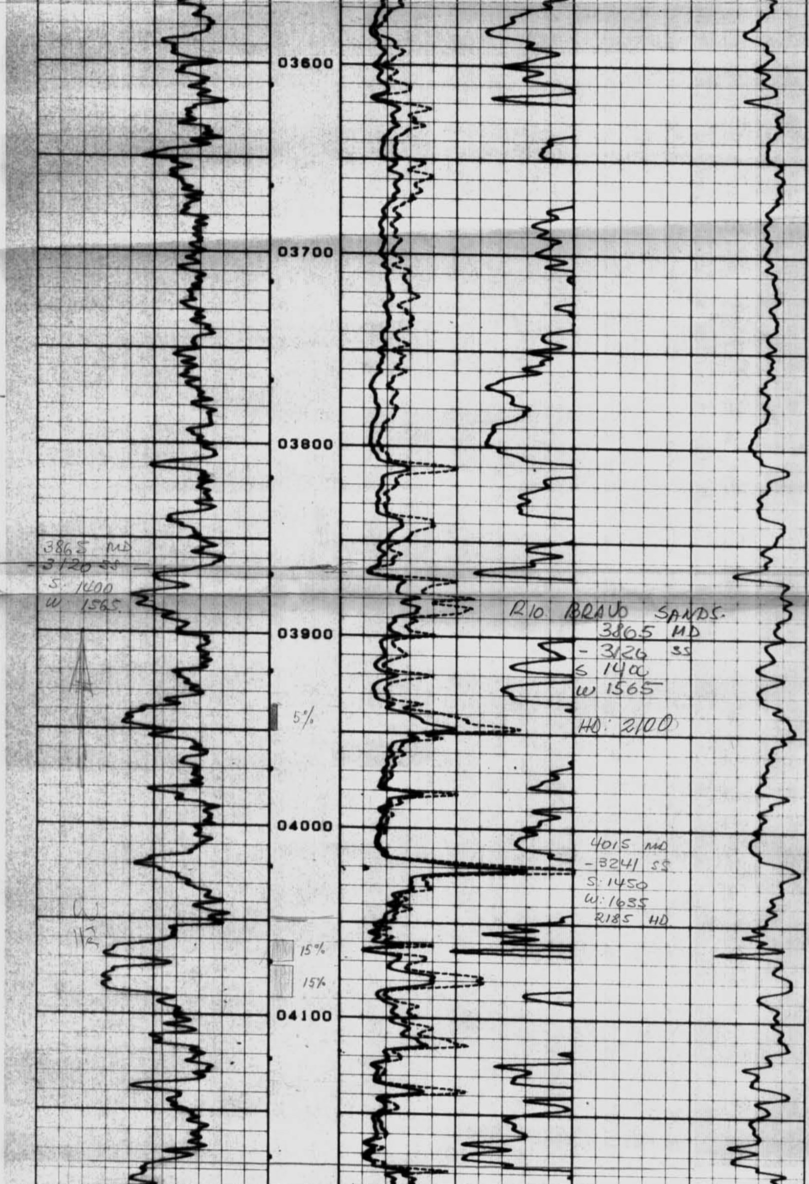






S: 1604
w: 1101
HD 1493

RIO BRAVO 3435(-2784)
S 1220
w 1335
HD: 1808

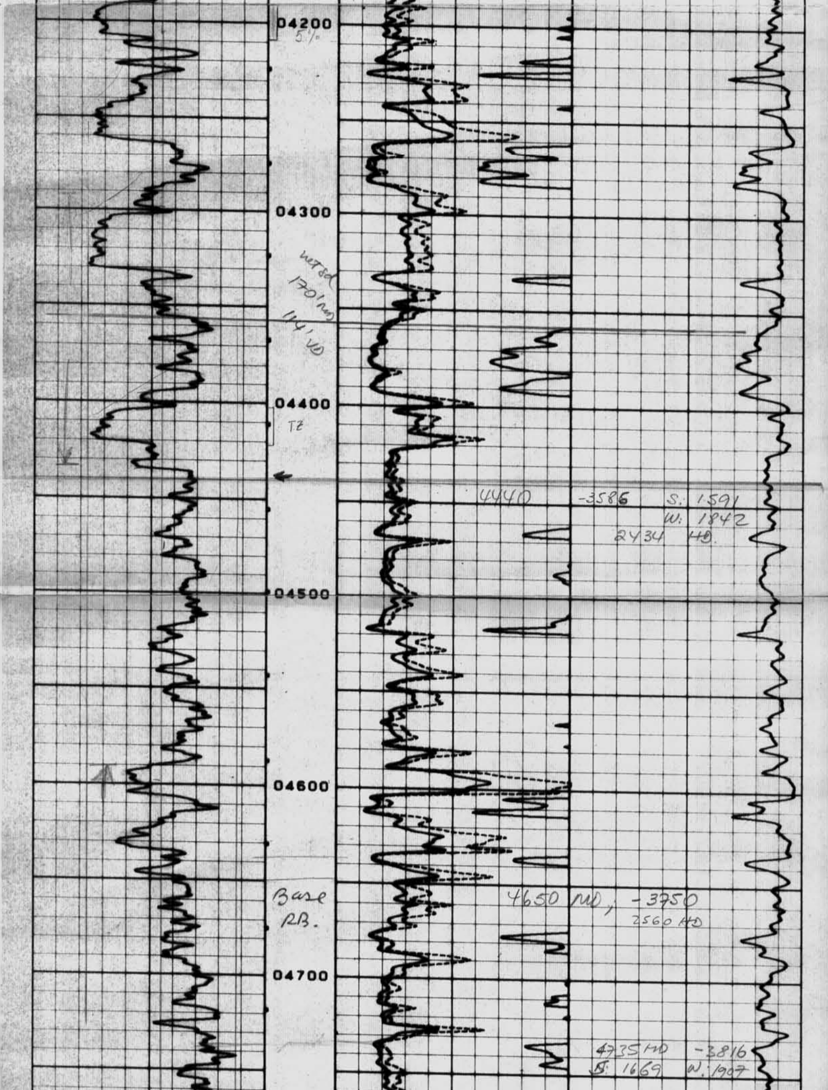


RIO BRAVO SANDS.
3865 MD
- 3126 SS
S 1400
W 1565

HD: 2100

4015 MD
-3241 SS
S: 1450
W: 1635
2185 HD

X6-907



5%

net sd
170' MD
114' VD

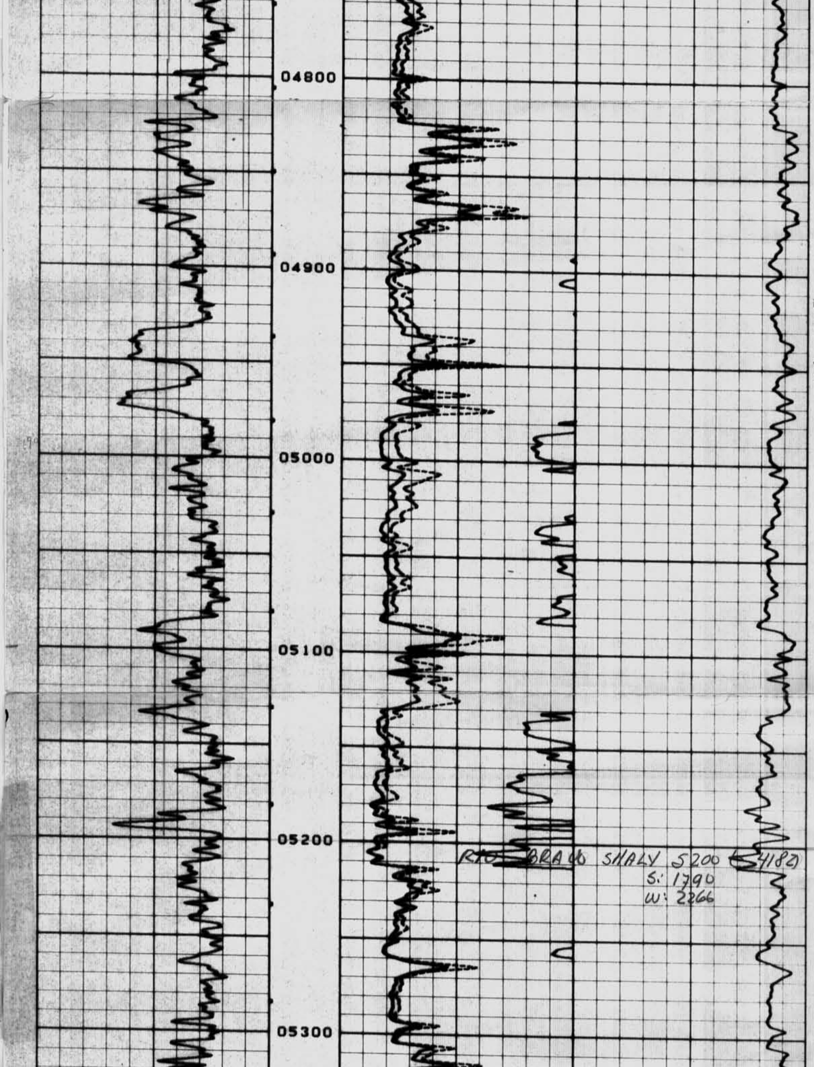
TZ

4440 -3586 S: 1591
W: 1842
2434 HD.

Base
RB.

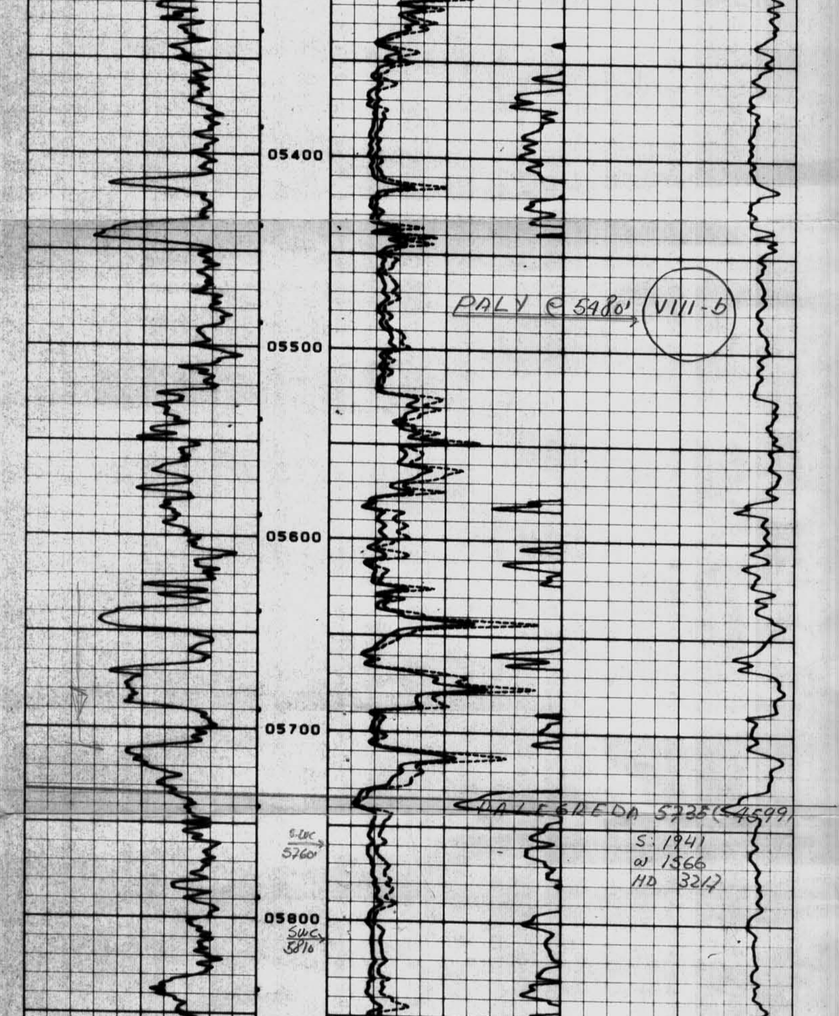
4650 MD, -3750
2560 HD

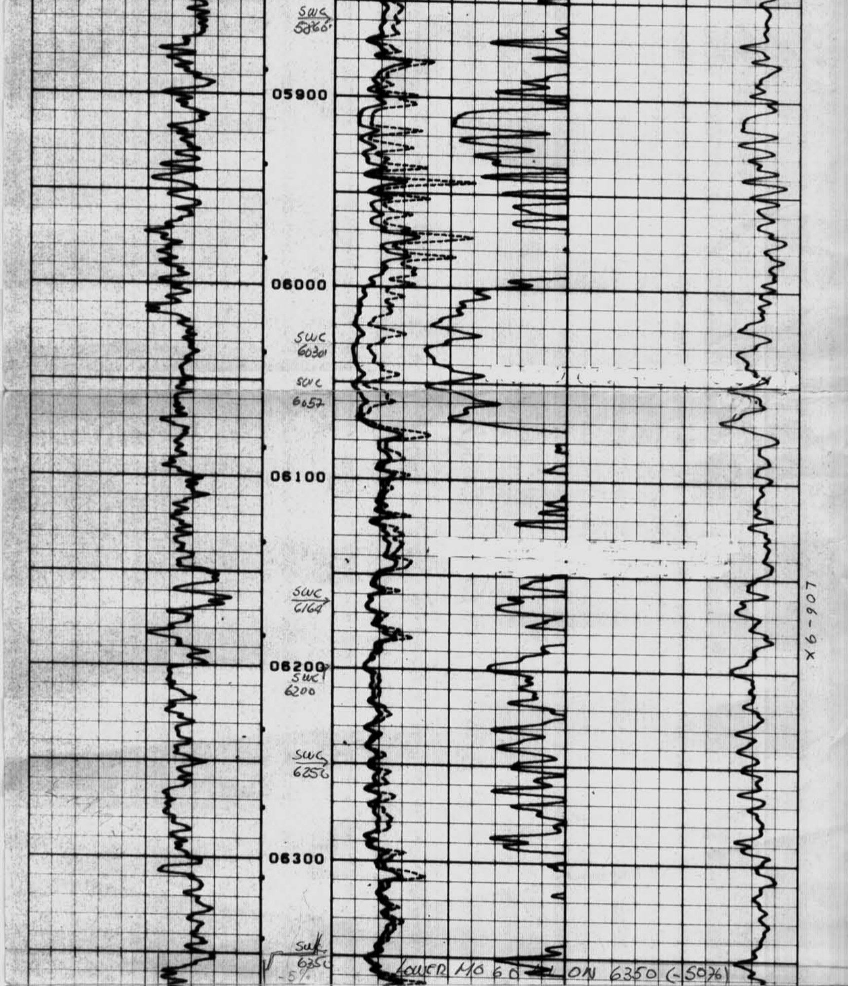
4735 MD -3816
S: 1669 W: 1907

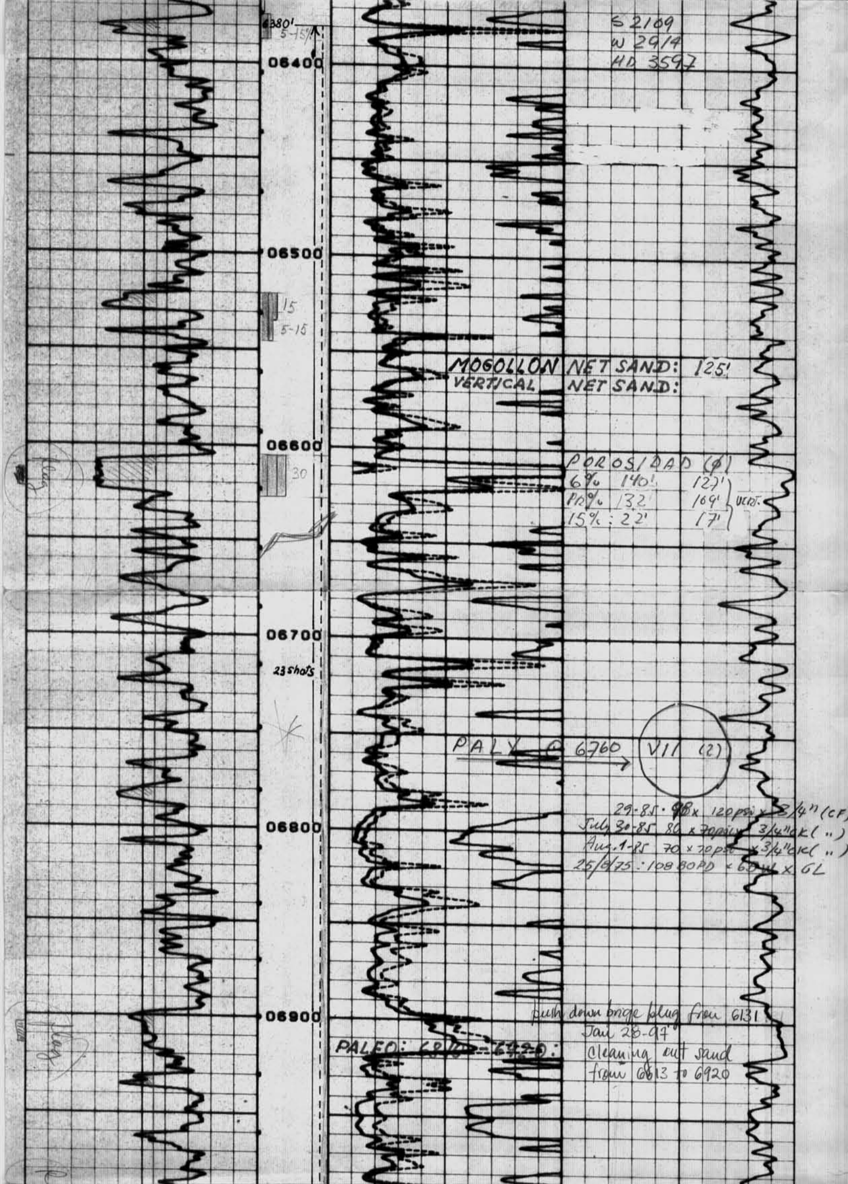


RIO BRAVO SHALY 5200 (-4182)
S: 1790
W: 2266

LOG-9X







S 2109
W 2914
HD 3597

MOGOLLON NET SAND: 125'
VERTICAL NET SAND:

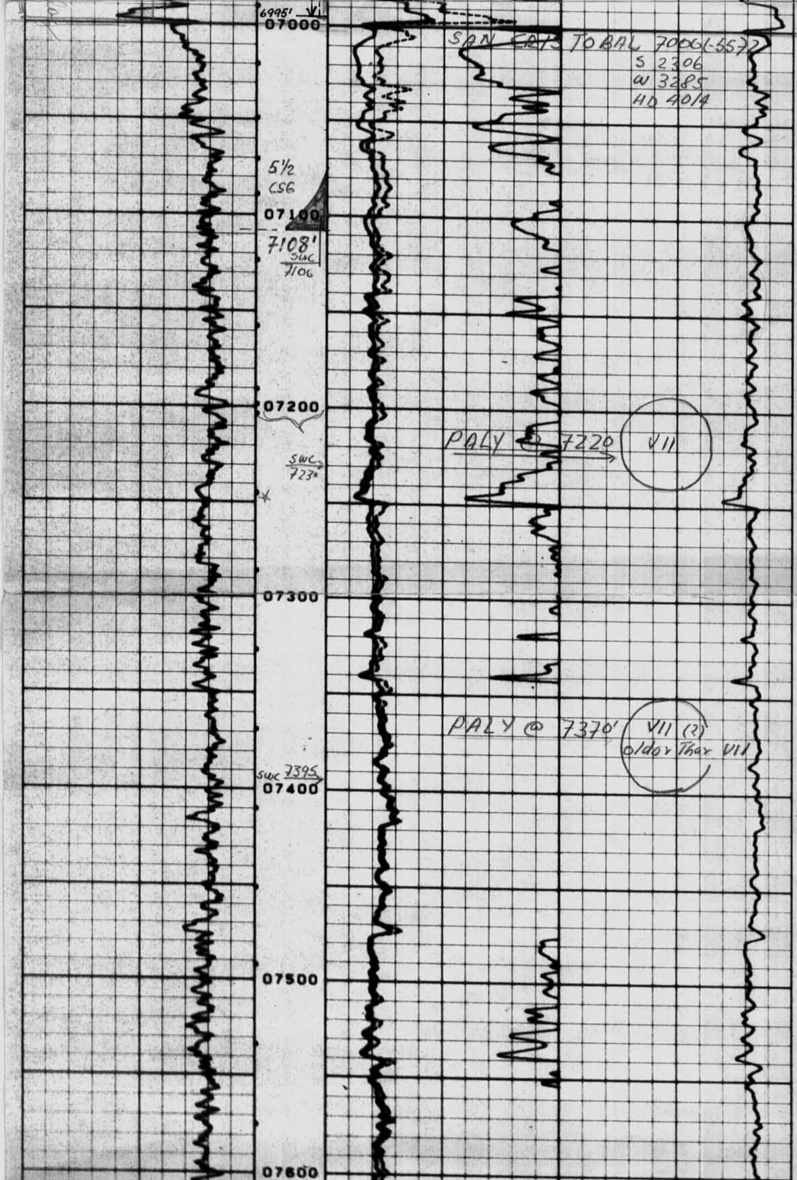
POROSIDAD (ϕ)
6% 140' 127'
12% 132' 109'
15% : 22' 17'
VERT.

PALY @ 6760 → VII (2)

29-85 · 98 x 120psi x 3/4" (CF)
July 30-85 80 x 70psi x 3/4"CK (")
Aug. 1-85 70 x 70psi x 3/4"CK (")
25/8/75 : 108 BOPD x 65 W x GL

PALEO: 6810 - 6920 :

push down brige plug from 6131
Jan 28-97
cleaning out sand
from 6813 to 6920



6995'

5½
CSG

7108'
SWC
7106

SWC
723°

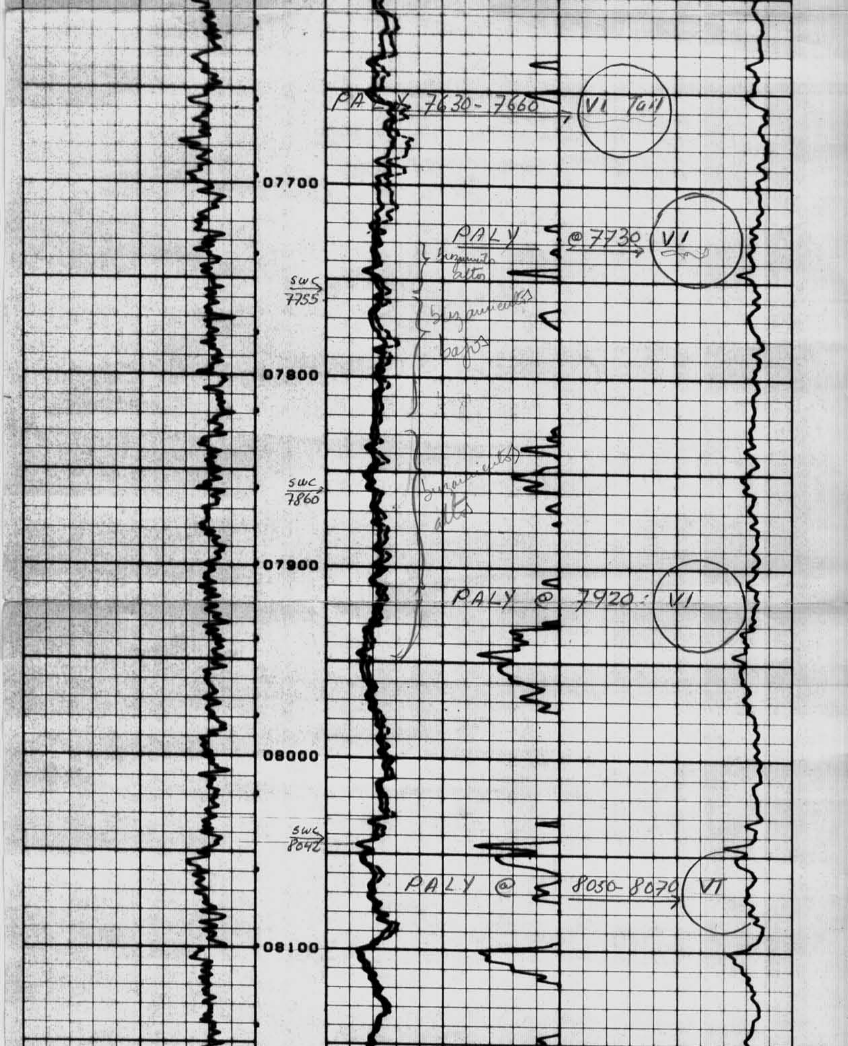
SWC 7395

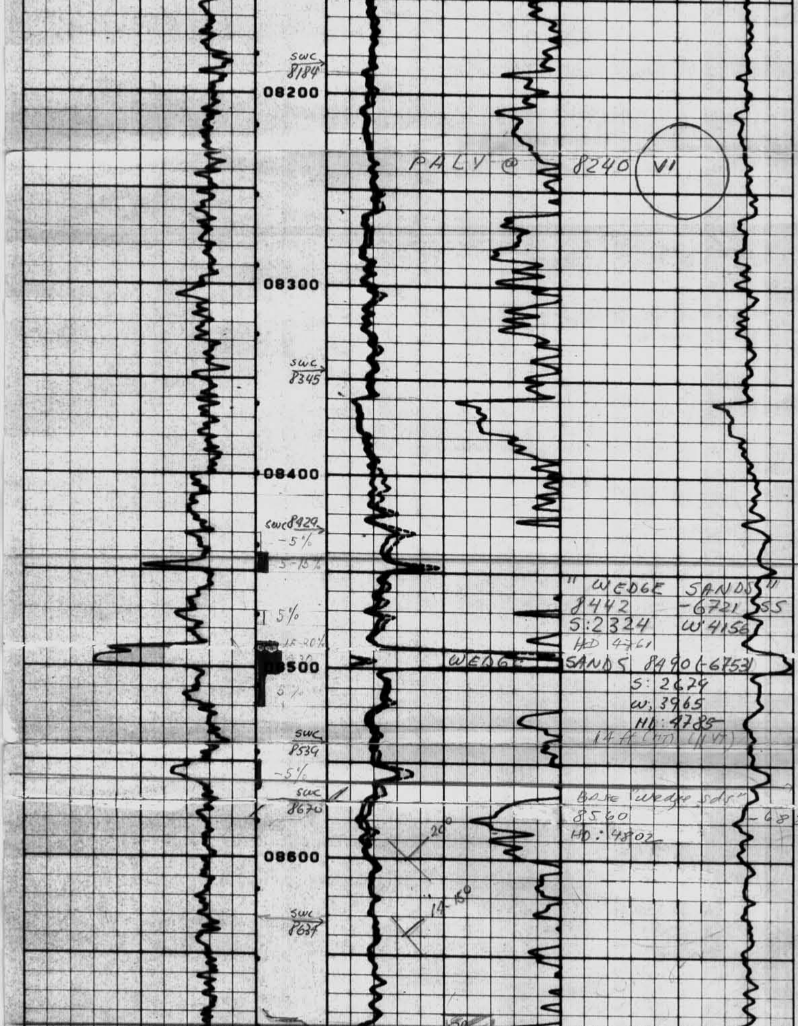
SAN CRISTOBAL 7006(-5577)
S 2306
W 3285
HD 40/4

PALY @ 7220 VII

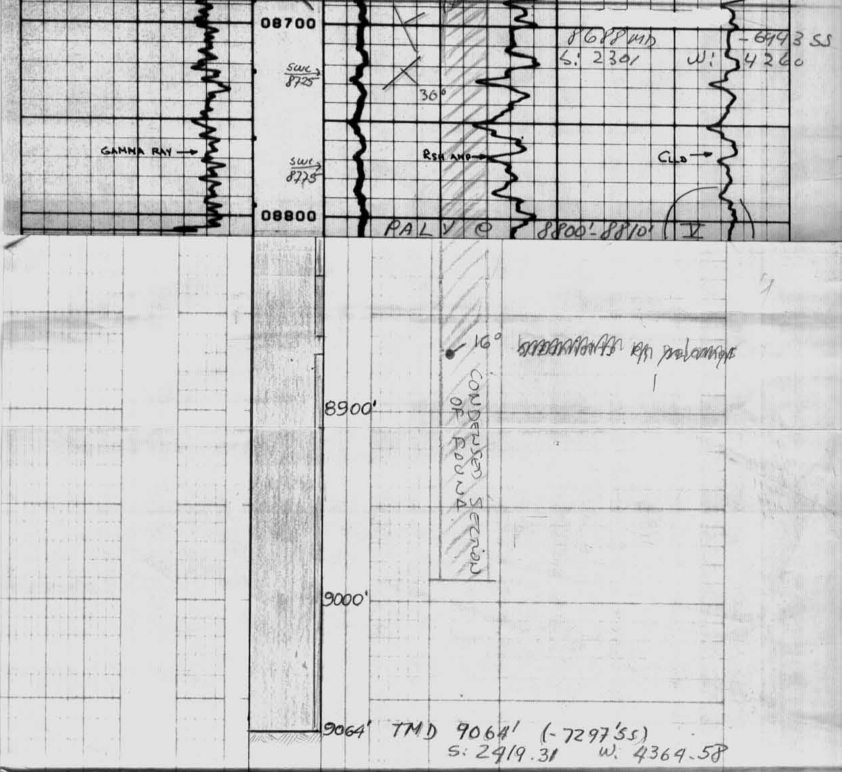
PALY @ 7370' VII (?)
older Than VII

X6-907





X6-907



TMD 9064' (-7297'SS)
S: 2419.31 W: 4364.58

FTD: 9064 (-7297')
S: 2419
W: 4365
HD: 4990

F.R.
T.D.

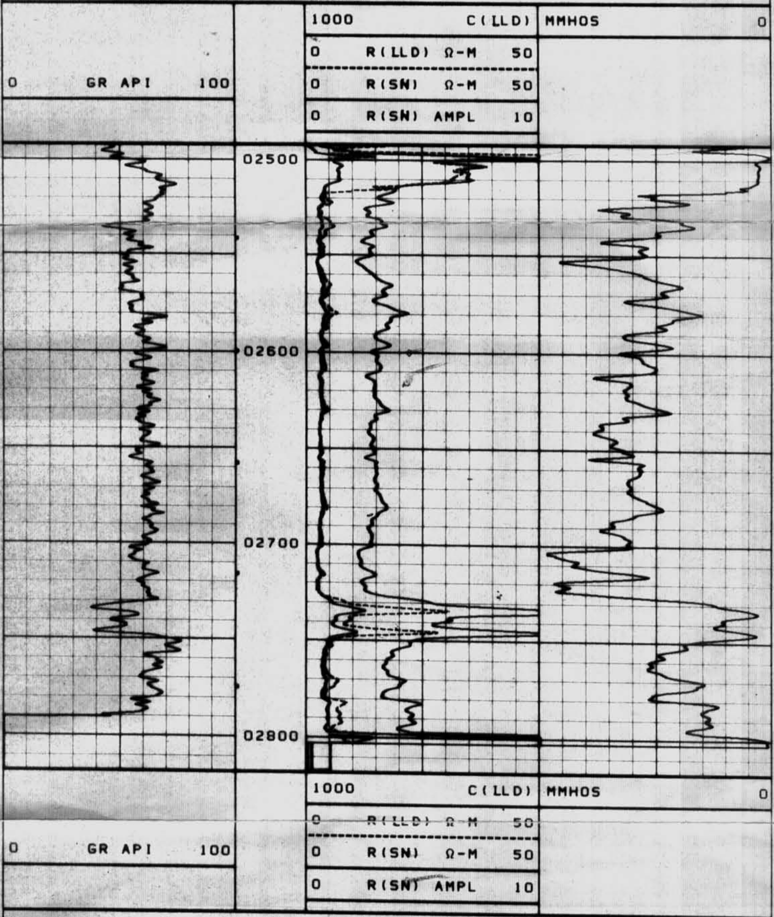
		1000 C(LLD)	MMHOS 0
		0 R(LLD) Ω-M 50	
0 GR API 100		0 R(SN) Ω-M 50	
		0 R(SN) AMPL 10	

07-22-85 05:18 8834.5 609 0040-20 0 0

L06-9X

REPEAT SECTION

07-22-85 08:23 2492.0 609 0040-20 0 7



07-22-85 08:20 2817.0 609 0040-20 0 7

CALIBRATION AFTER SURVEY

07-22-85 08:16 2713.0 609 0040-20 0 6

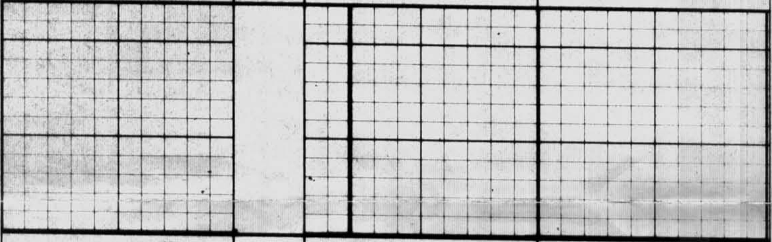
1000 C(LLD) MMHOS 0

0 R(LLD) Ω-M 50

0 GR API 100

0 R(SN) Ω-M 50

0 R(SN) AMPL 10



1000 C(LLD) MMHOS 0

0 R(LLD) Ω-M 50

0 GR API 100

0 R(SN) Ω-M 50

0 R(SN) AMPL 10

07-22-85 08:16 2713.0 609 0040-20 0 6

CALIBRATION BEFORE SURVEY

07-22-85 04:01 2550.0 609 0040-20 0 6

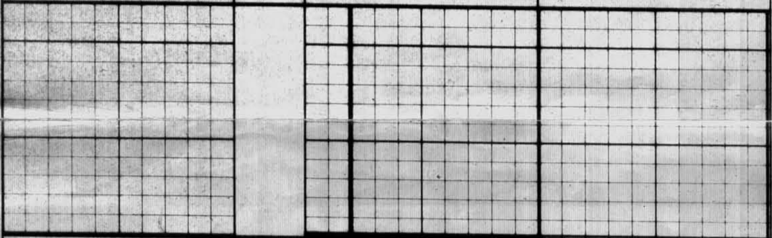
1000 C(LLD) MMHOS 0

0 R(LLD) Ω-M 50

0 GR API 100

0 R(SN) Ω-M 50

0 R(SN) AMPL 10



		1000 C(LLD)	MMHOS 0
0 GR API 100		0 R(LLD) Ω-M 50	
		0 R(SN) Ω-M 50	
		0 R(SN) AMPL 10	

07-22-85	04:01	2550.0	609	0040-20	0	6

MOGOLLON TEST

JUL 29-85	98 BOPD x 120 PRESS x 3/4" x CF
JUL 30-85	80 BOPD x 70 PRESS x 3/4" x CF
AUG 10-85	70 BOPD x 70 PRESS x 3/4" x CF
AUG 25-85	108 BOPD x 6 BWPD x GL

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