Welex

5"=100'

DUAL INDUCTION GUARD LOG
WITH 2" LINEAR CORRELATION LOG

COMPANY AMERICAN QUASAR PETROLEUM CO.
WELL HICKEY No. 9-12
FIELD LEBANON
County LINN State OR.

COMPANY AMERICAN QUASAR PETROLEUM COMPANY
WELL HICKEY No. 9-12
FIELD LEBANON (API NO. 36-043-00013)
COUNTY LINN STATE OREGON
Location 1980 SOUTH & 990 EAST OF THE NORTHWEST CORNER.
Other Services: CDNL CAVL DIP
Sec. 9 Twp. 12S Rge. 2W

Permanent Datum G.L. Elev. 329.6
Log Measured From K.B. 10.5 Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. 340 D.F. N/A G.L. 329.6

Date	1-20-81	1-27-81	2-5-81	2-10-81
Run No.	ONE	TWO	THREE	FOUR
Depth—Driller	531	2162	4030	4692
Depth—Welex	532	2161	4026	4692
Btm. Log Inter.	530	2158	4024	4690
Top Log Inter.	SURFACE	522	2116	3800
Casing—Driller	14 @ 145	9 5/8 @ 521	7 @ 2116	7 @2116
Casing—Welex	14 @ 140	522	2116	NOT LOGGED
Bit Size	12 1/4	8 3/4	6 1/4	6 1/4
Type Fluid in Hole	GEL WATER	LIGNOSULF	LIGNOSULF	LIGNOSULF
Dens. | Visc.	69 | 42	90 | 70	94 | 65	96 | 38
pH | Fluid Loss	8.0 | N/A ml	9.5 | 5.8ml	9.5 | 4.0 ml	9.5 | 4.8 ml
Source of Sample	CIRCULATED	CIRCULATED	CIRCULATED	CIRCULATED
R_m @ Meas. Temp.	N/A @N/A °F	3.46 @46 °F	1.90@ 48 °F	2.60 @70 °F
R_{mf} @ Meas. Temp.	N/A @N/A °F	4.58 @58 °F	1.05@ 53 °F	1.60 @50 °F
R_{mc} @ Meas. Temp.	N/A @N/A °F	3.22 @54 °F	3.00@ 50 °F	2.90 @50 °F
Source R_{mf} R_{mc}	MEASURED	MEASURED	MEASURED	MEASURED
R_m @ BHT	N/A @N/A °F	1.44 @110°F	0.65@140 °F	1.50 @120°F
Time Since Circ.	4 HOURS	6 HOURS	6HOURS	2 HOURS
Max. Rec. Temp.	N/A°F @N/A	110°F @ BHT	140°F@ BHT	120°F @BHT
Equip. | Location	8586 WDLND	8586 WDLND	2876 WDLND	8586 WDLND
Recorded By	ANDERSON	ANDERSION	ANDERSON	VORHEES,WISHT
Witnessed By	MANN	MANN	MANN	MANN

Fold Here

Service Ticket No. 035112 Remarks: RUN TWO:055110,RUNTHREE: 055114, RUN FOUR: 055267

Change in Mud Type or Additional Samples

Date | Sample No.	|	|
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	|	|
ph | Fluid Loss	| ml	|
Source of Sample	ONE	TWO
R_m @ Meas. Temp.	N/A @N/A °F	1.44 @110°F
R_{mf} @ Meas. Temp.	N/A @N/A °F	2.41 @110°F
R_{mc} @ Meas. Temp.	N/A @N/A °F	1.68 @110°F
Source: R_{mf} | R_{mc}	THREE	FOUR
R_m @ BHT	0.65 @140 °F	1.50 @120°F
R_{mf} BHT	0.39 @140 °F	0.70 @120°F
R_{mc} BHT	1.07 @140 °F	2.90 @120°F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

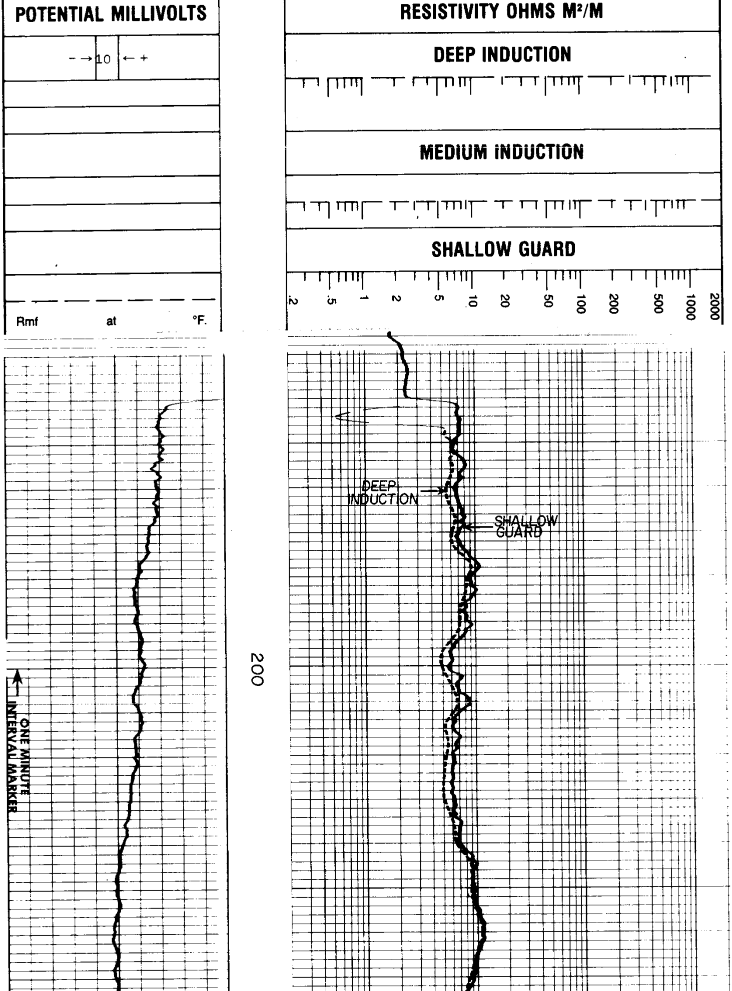
EQUIPMENT DATA

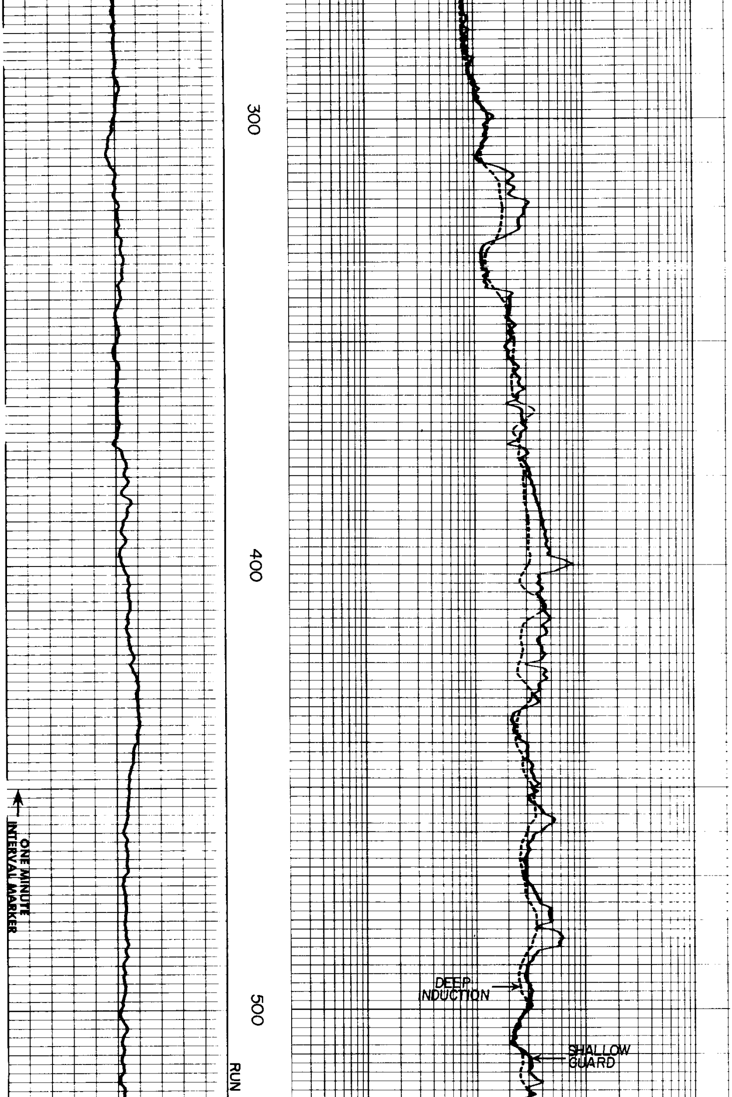
Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	DIG 21674		N/A	
TWO	N/A		N/A	
THREE	21674,24405			
FOUR	DIG 98853		N/A	

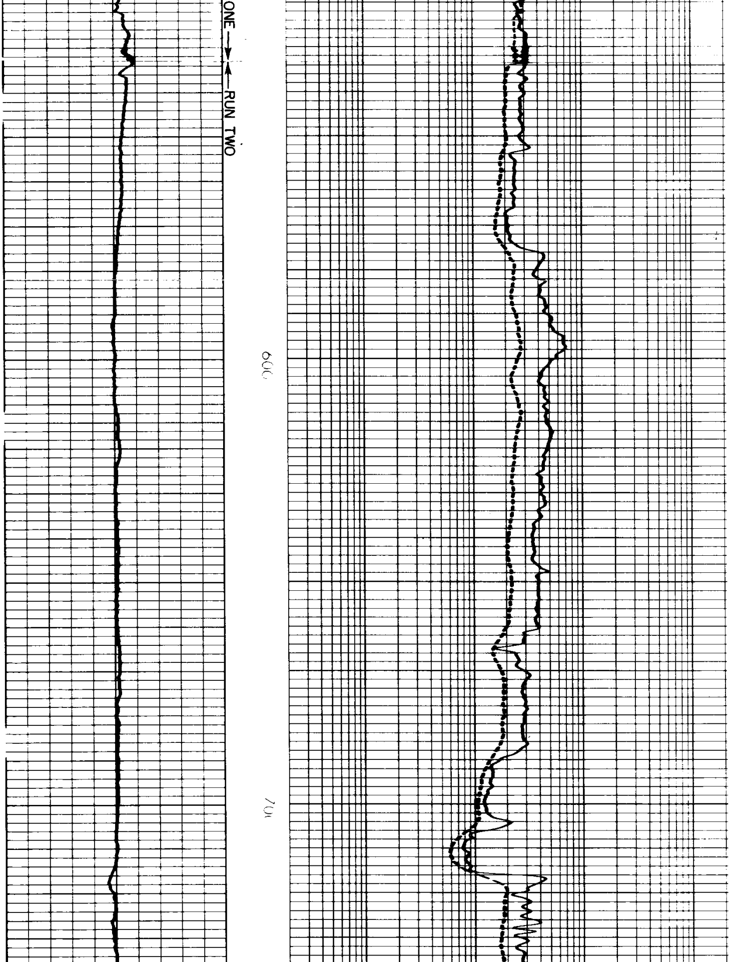
RUN ONE BHT LESS THAN 100°F.

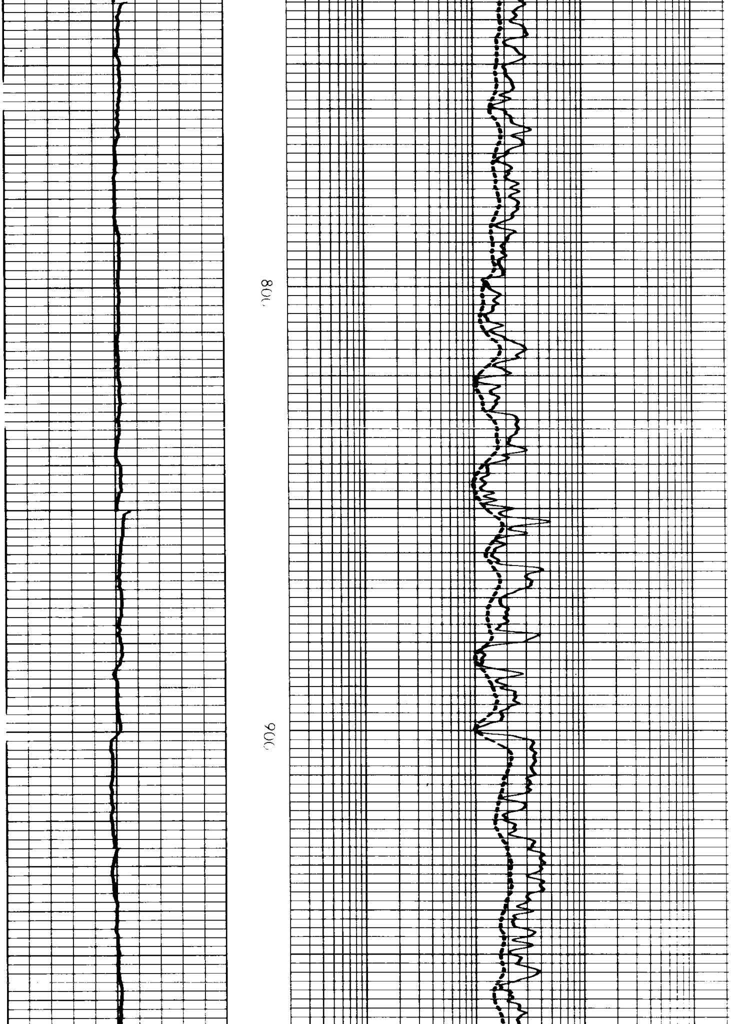
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

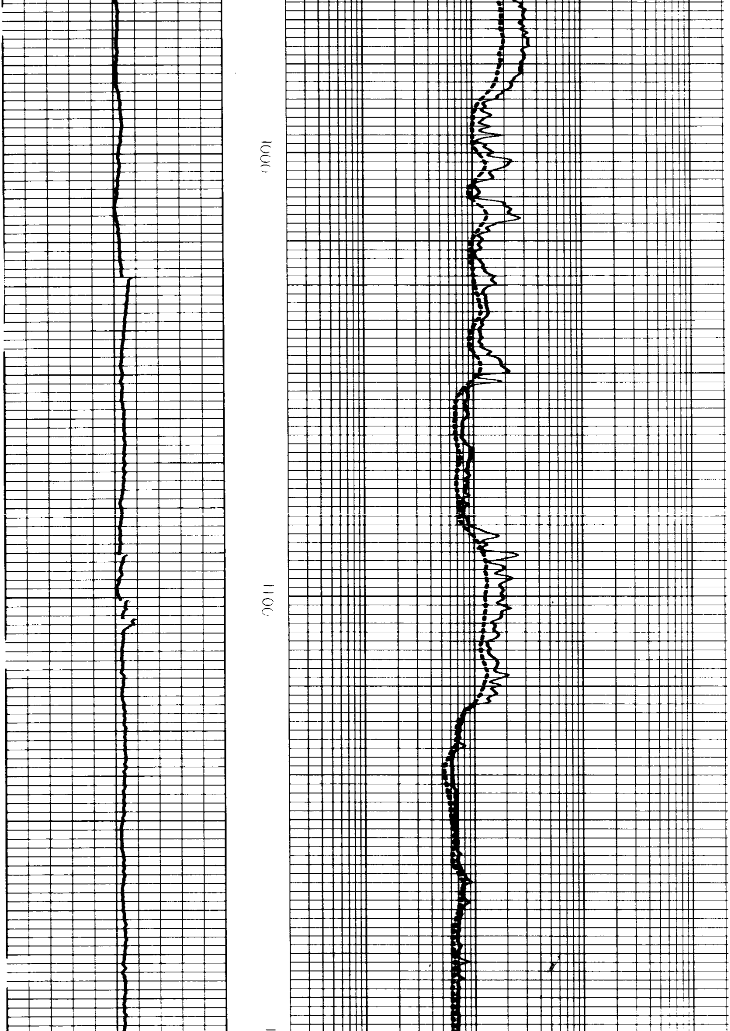
5"=100'

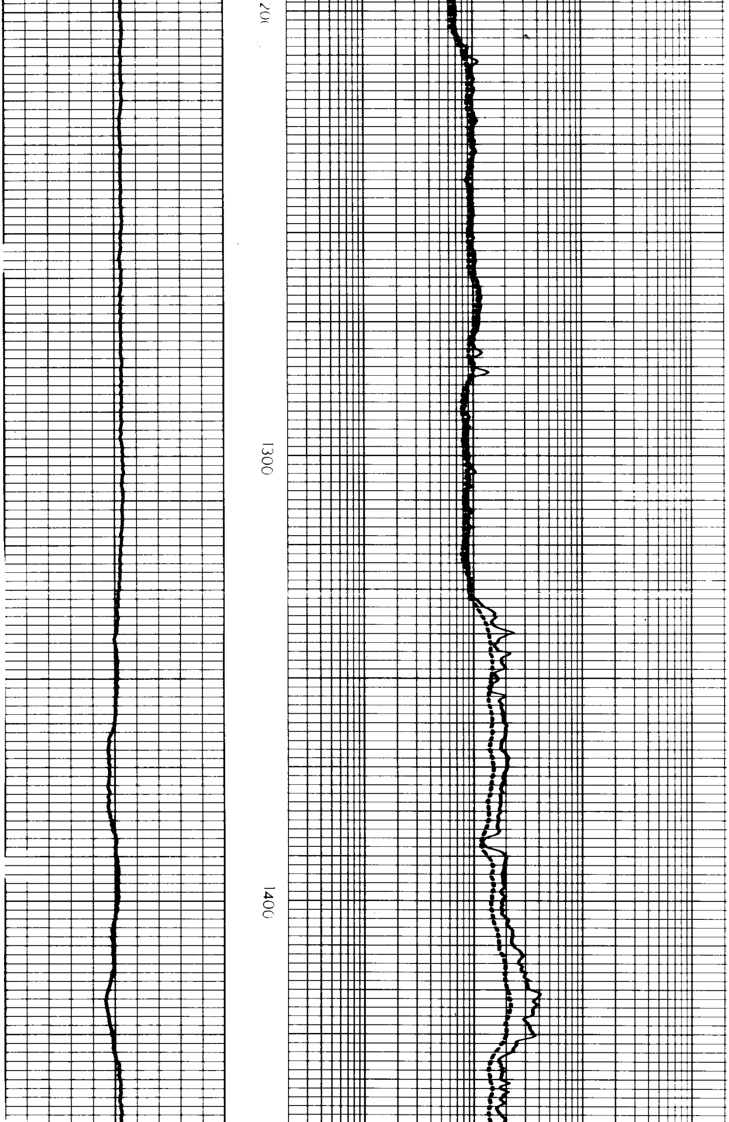


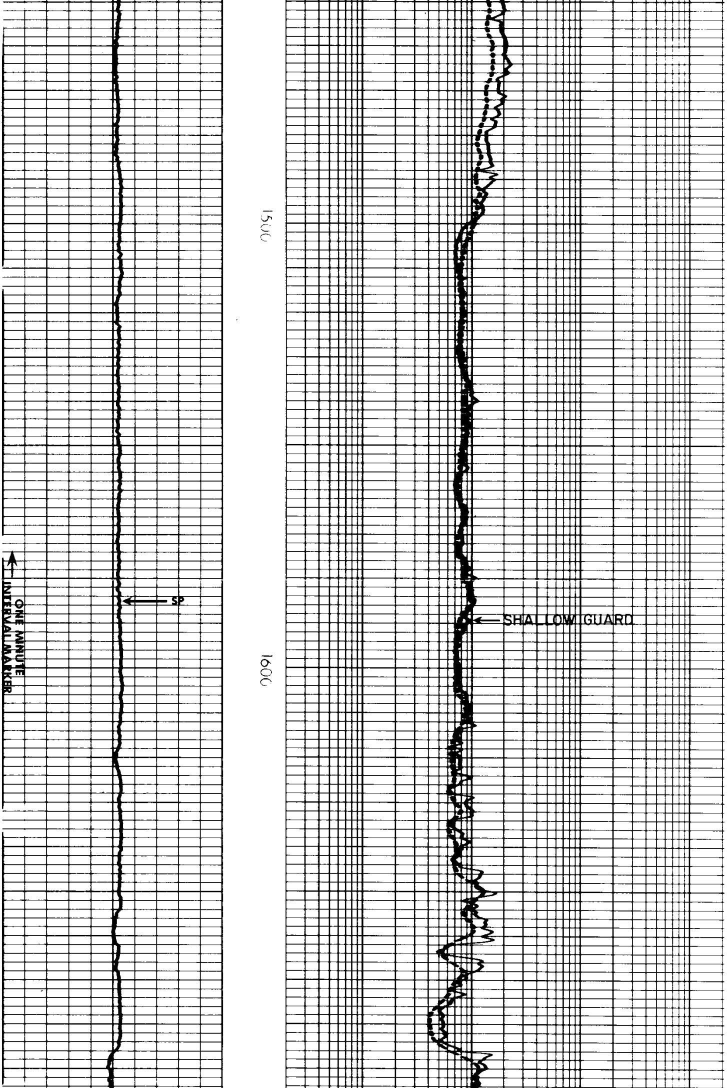


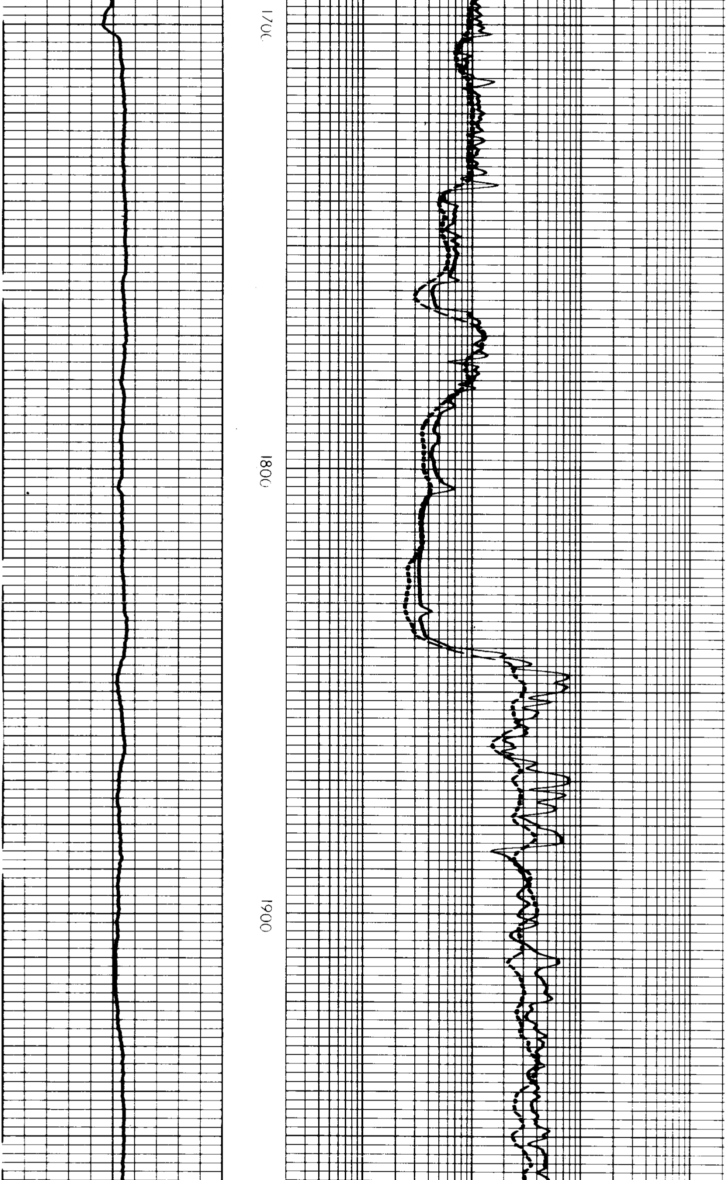


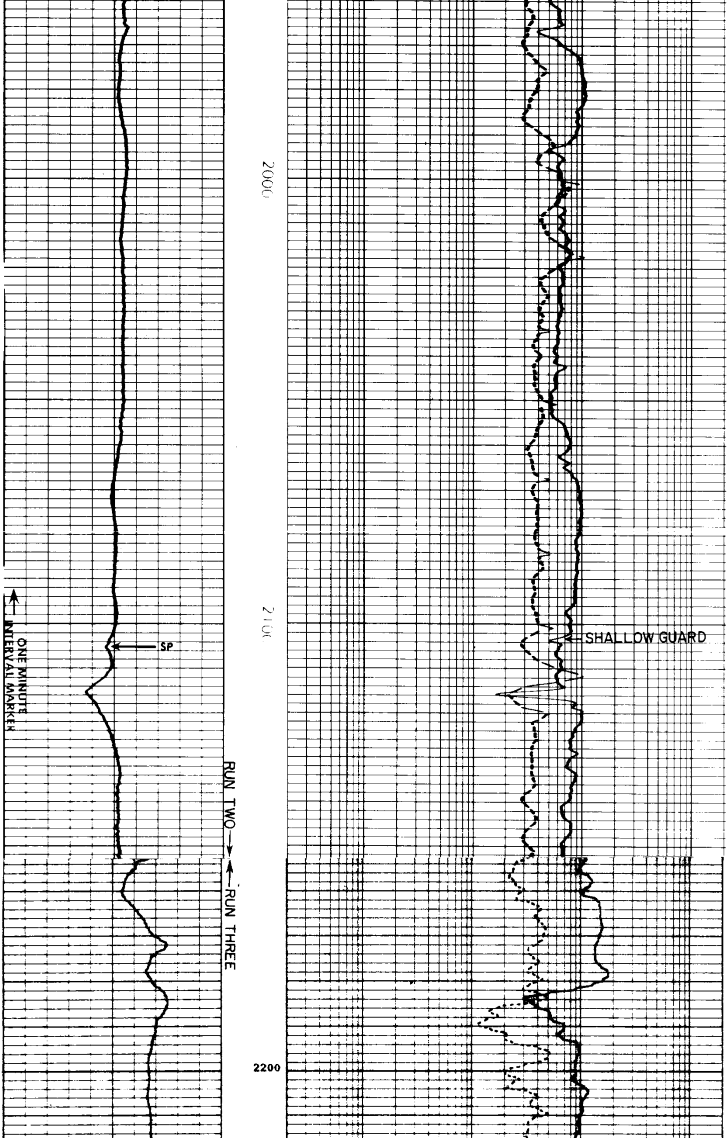


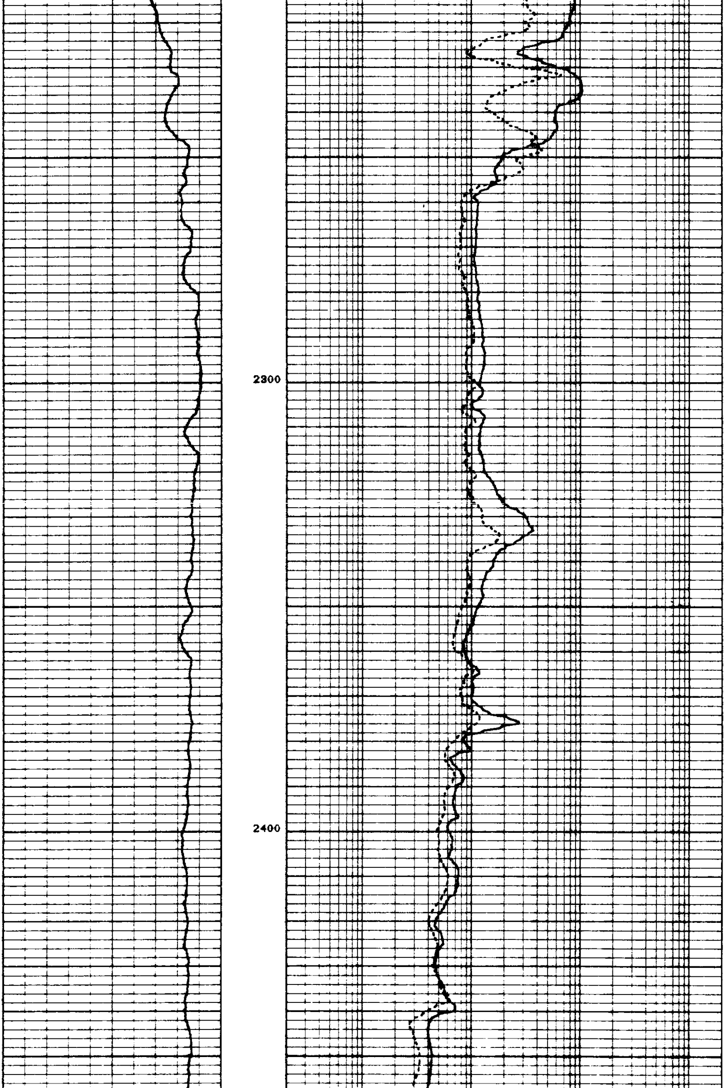


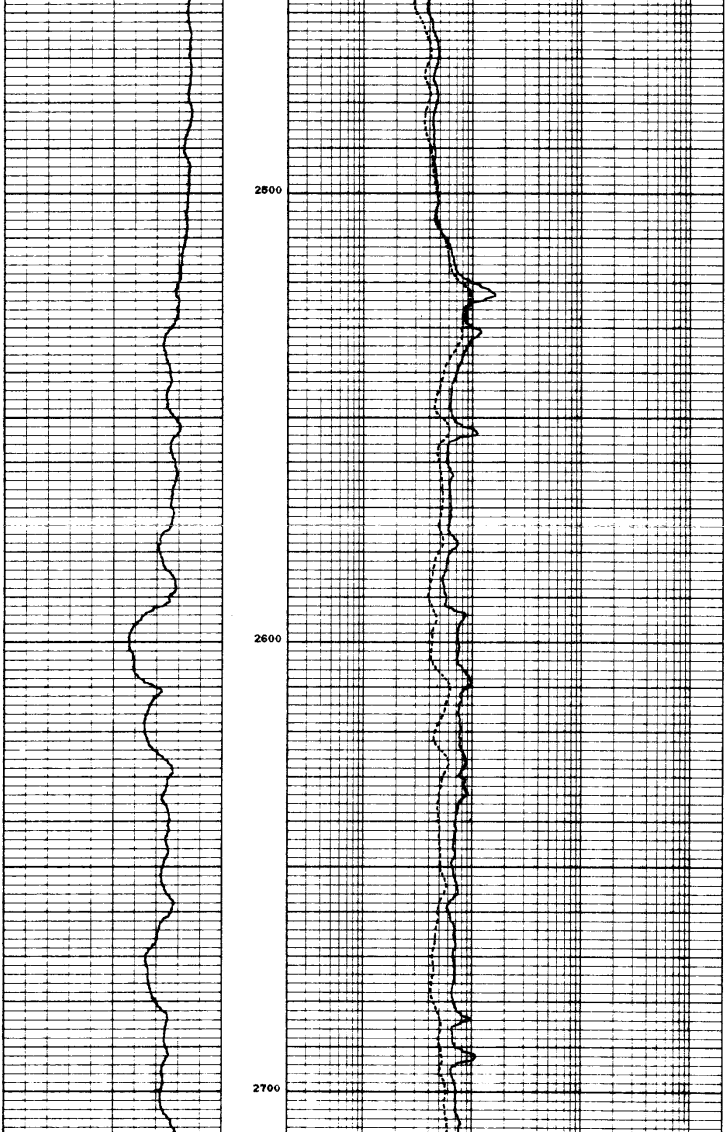


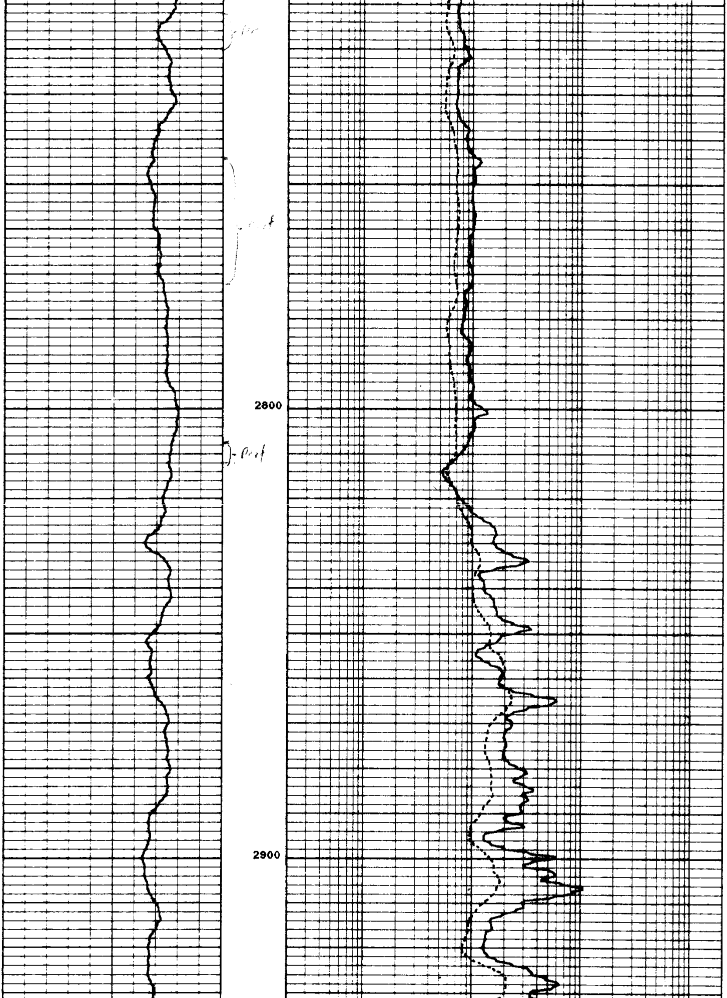


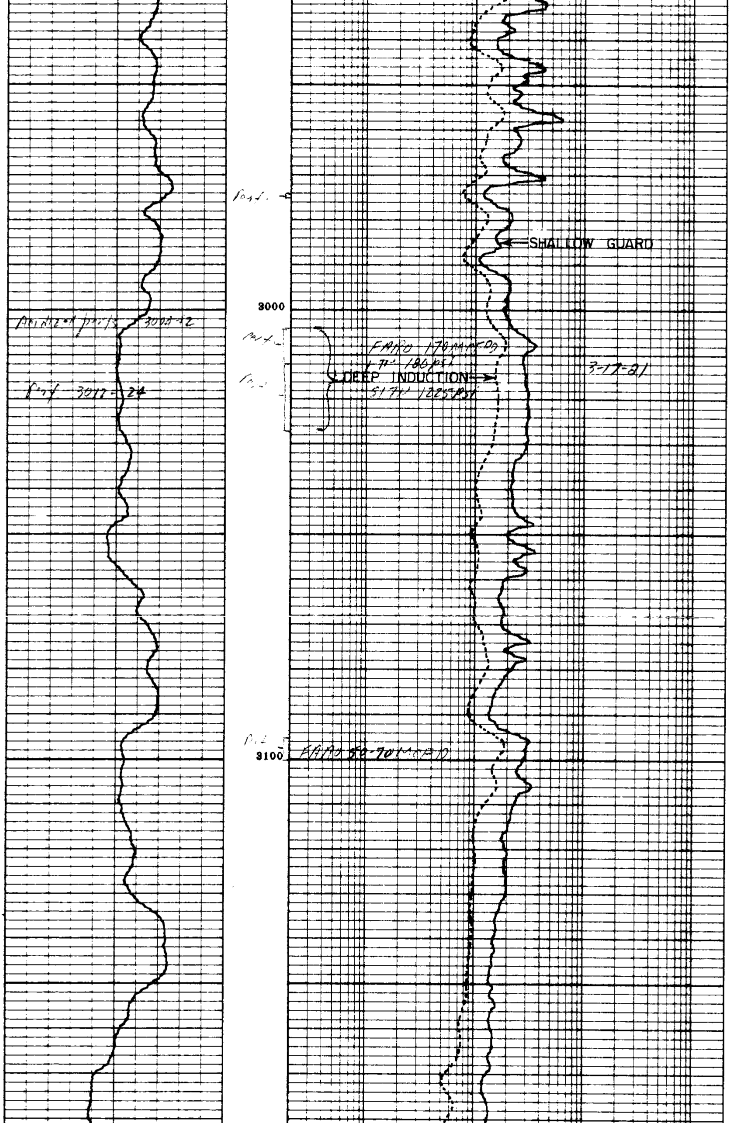












Perf.

Acidized perfs 3008-12

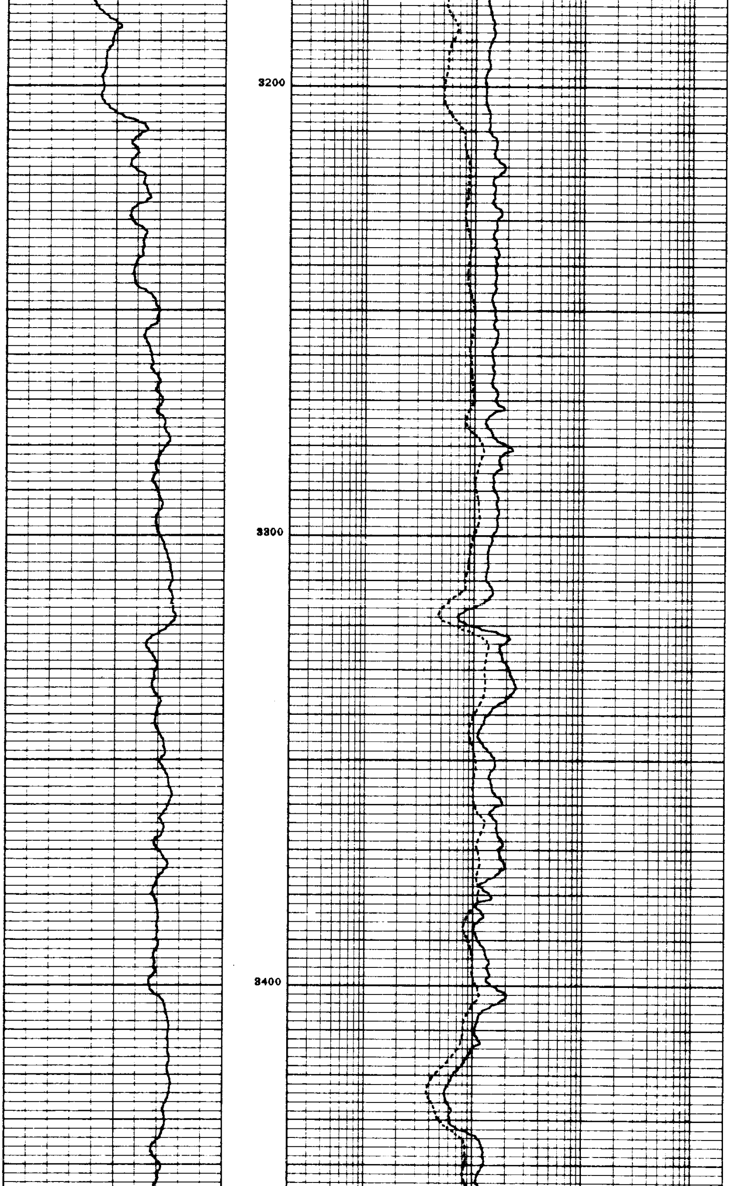
Perf 3017-24

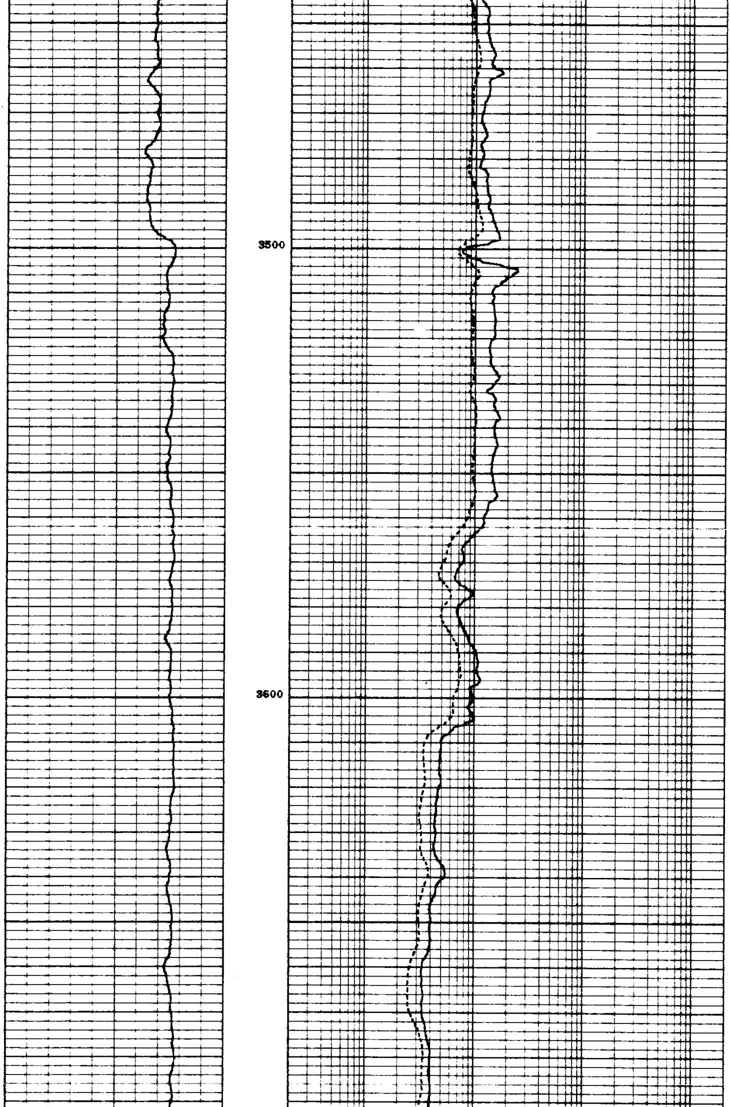
FARO 170 MCFD
1 hr 186 psi
SI 7d 1225 psi

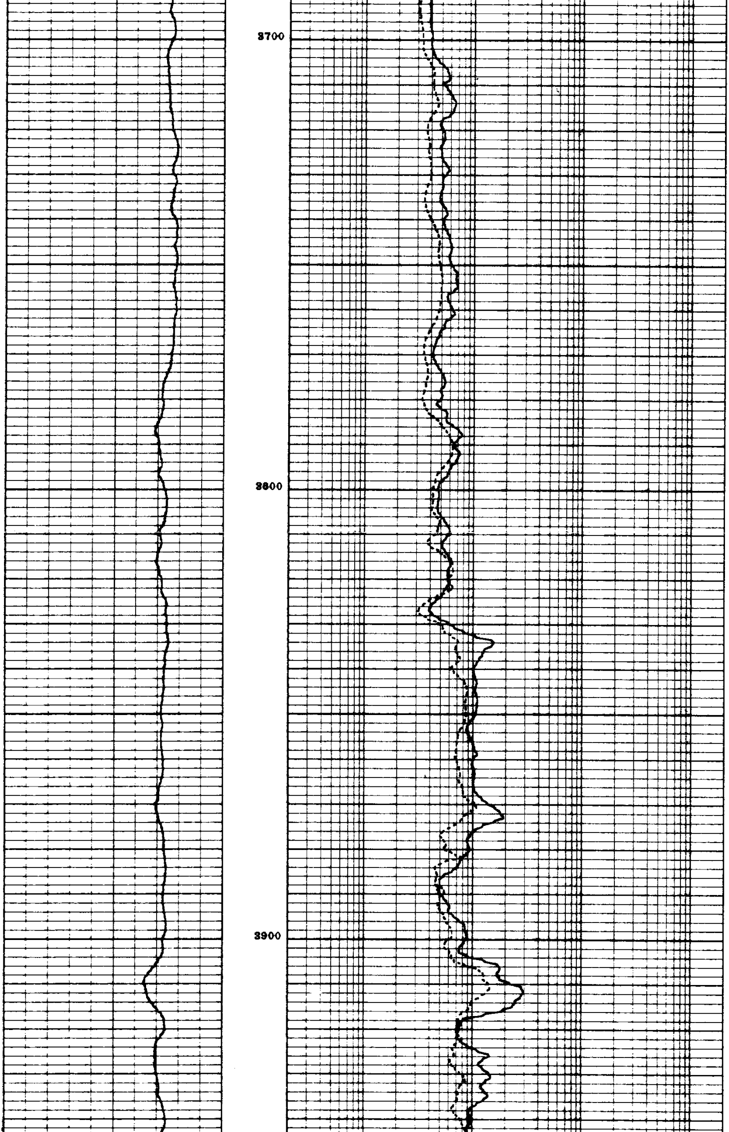
3-17-81

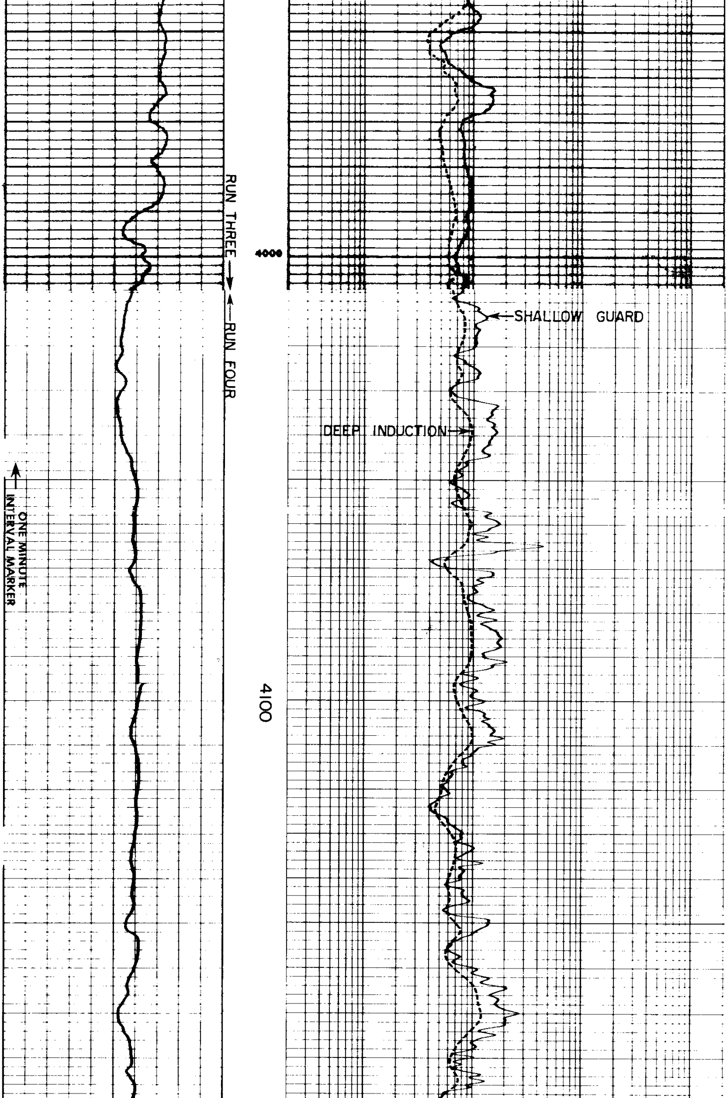
Perf

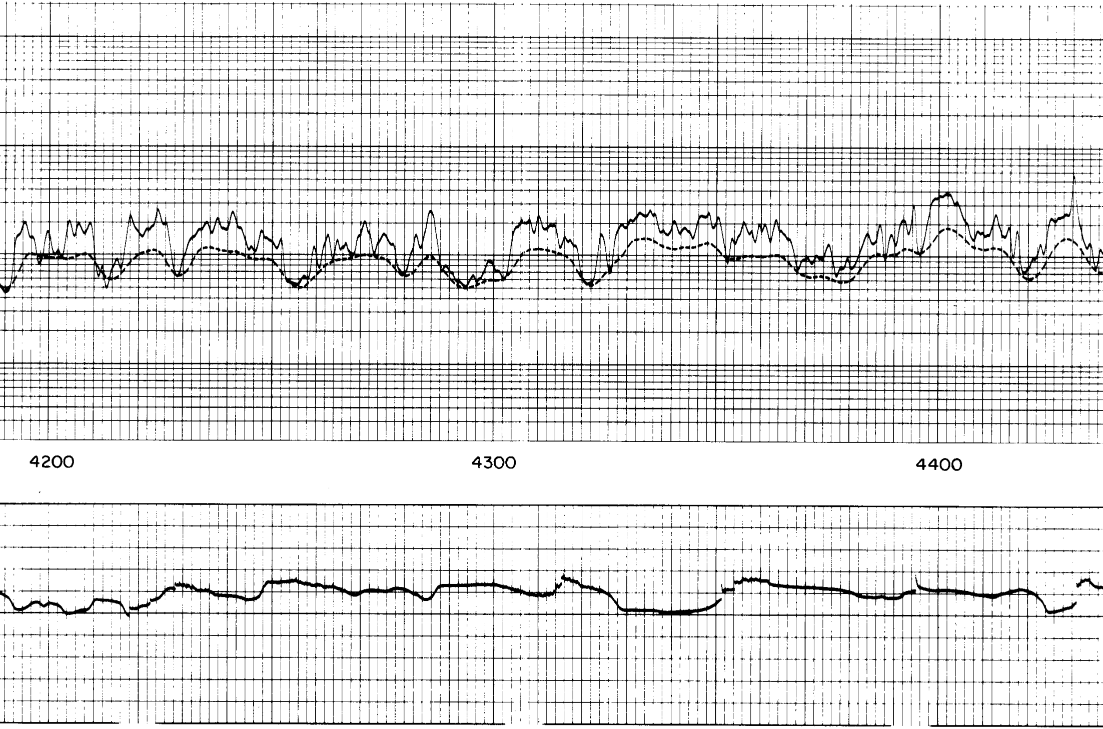
FARO 50-70 MCFD

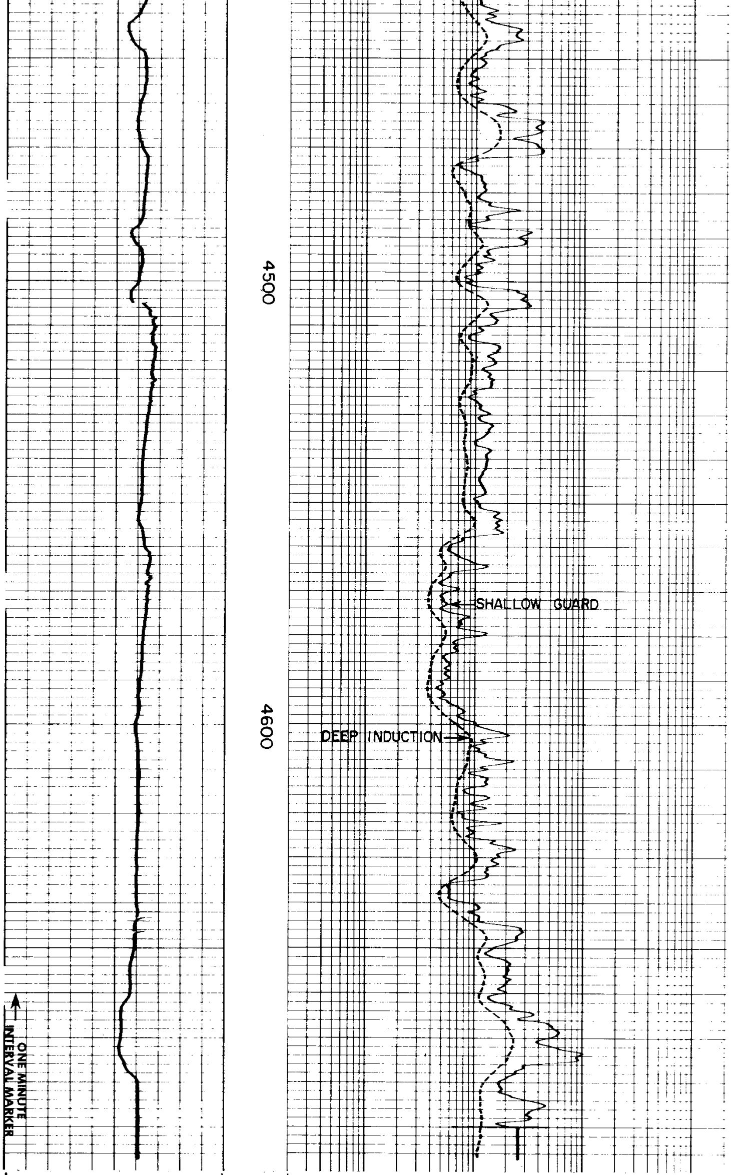


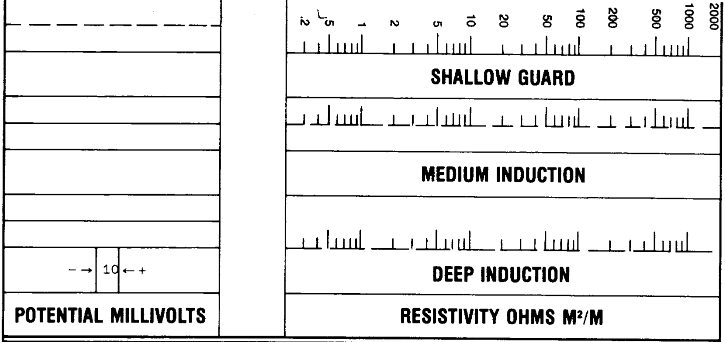












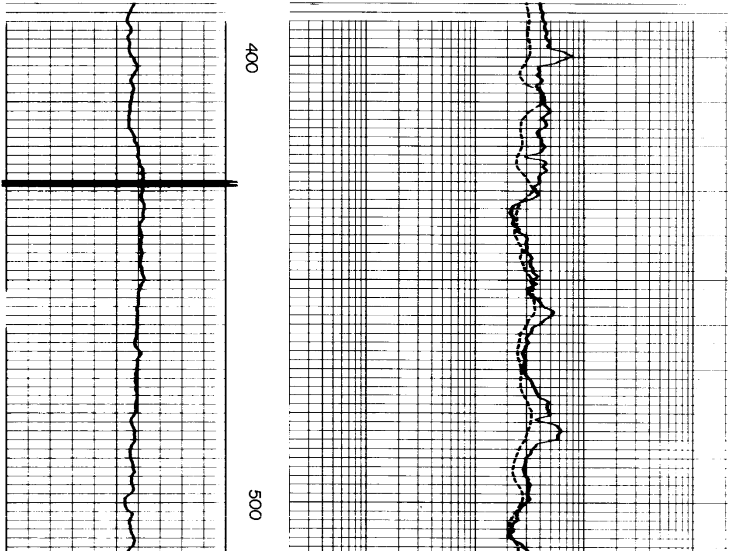
Rmf 0.70 at 120 °F.

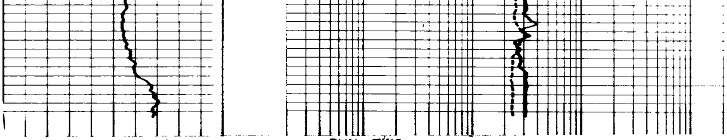
AMERICAN QUASAR PETROLEUM COMPANY
HICKEY No. 9-12
LEBANON (API NO. 36-043-00013)
LINN COUNTY, OREGON

T.D. LOGGED 4690
T.D. DRILLER 4692
T.D. WELEX 4692

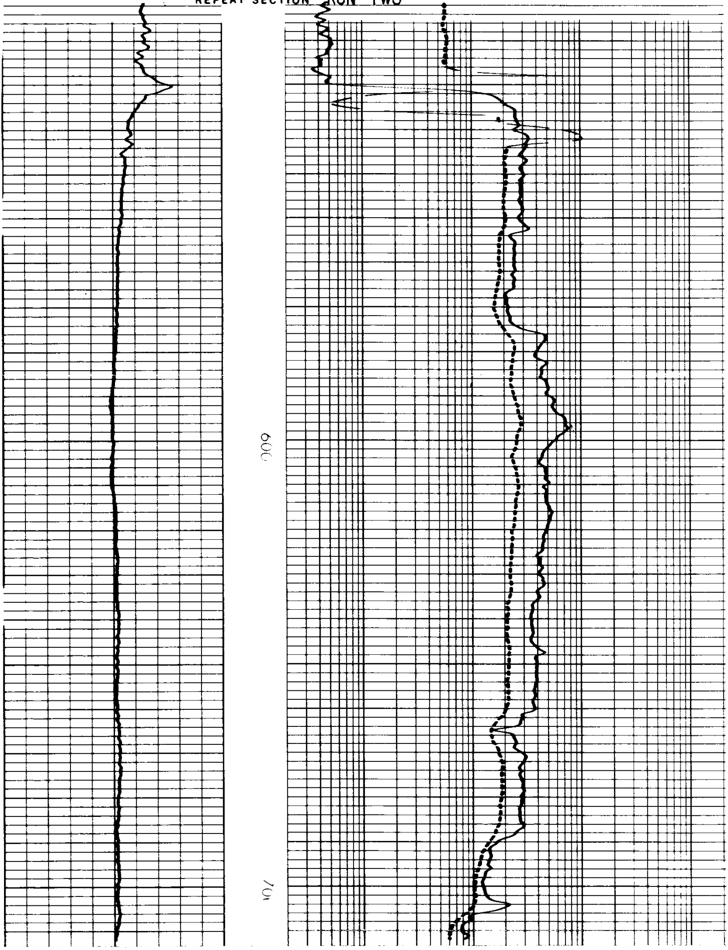
ELEV- K.B. 340 G.L. 329.6

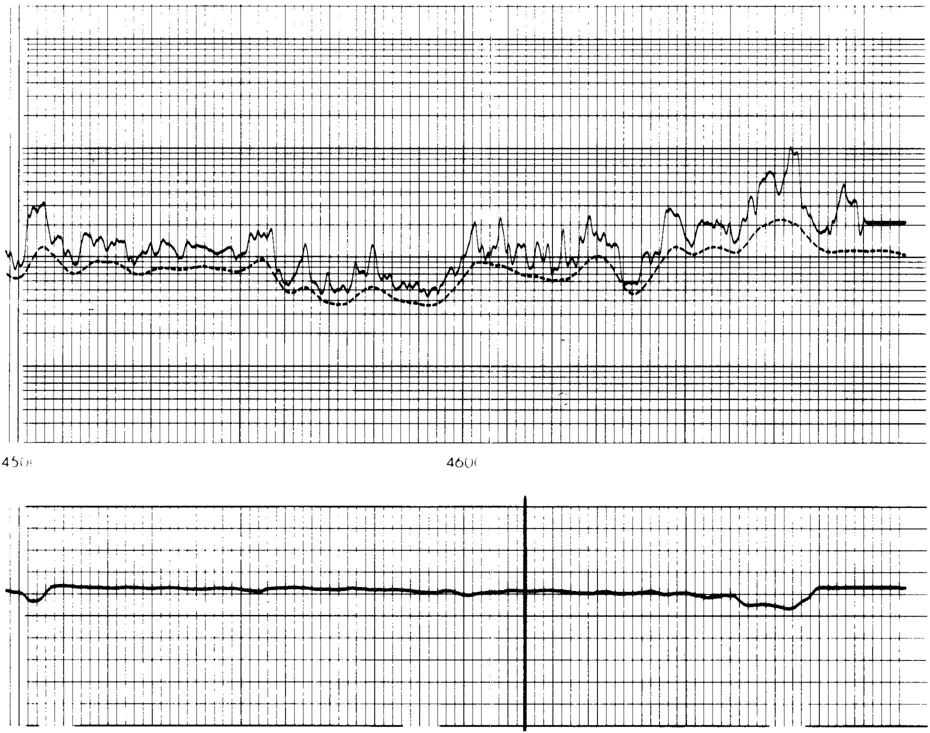
REPEAT SECTION RUN ONE





REPEAT SECTION RUN TWO



REPEAT SECTION RUN FOUR