Welex

5"=100'

COMPENSATED ACOUSTIC VELOCITY 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:
Sec. 9 Twp. 12S Rge. 2W

Other Services:
DIG
CDL/N
DIP

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. 340.1
D.F. N/A
G.L. 329.6

Date	1-20-81	1-27-81	2-6-81	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	2156	4021	4886
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 | 69	96 138
pH | Fluid Loss	8.0 | N/A ml	9.5 | 5.8 ml	9.5 | 4.0 ml	9.5 14.8 ml
Source of Sample	MEASURED	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}	N/A | N/A	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	12 HOURS	4 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	ANDERSON	ANDERSON	VORHEES, WISHART
Witnessed By	MANN	MANN	MANN	MANN

Fold Here

Service Ticket No. 035112 Remarks: RUN TWO:055110, RUN THREE: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	.65 @ 140°F	1.50 @ 120°F
R_{mf} BHT	.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	C/AVL			
TWO	C/AVL 24A		CENTER	
THREE	C/AVL		N/A	
FOUR	C/AVL		N/A	

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'

POTENTIAL MILLIVOLTS

— → 10 ← +

CALIPER

8 Average Diameter Inches 18

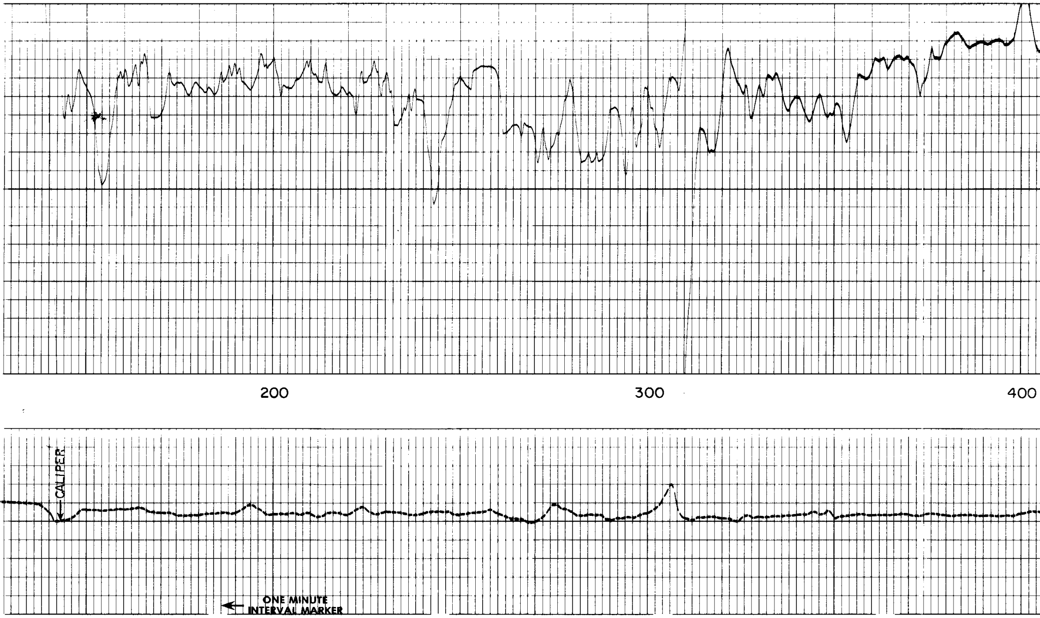
TRAVEL TIME

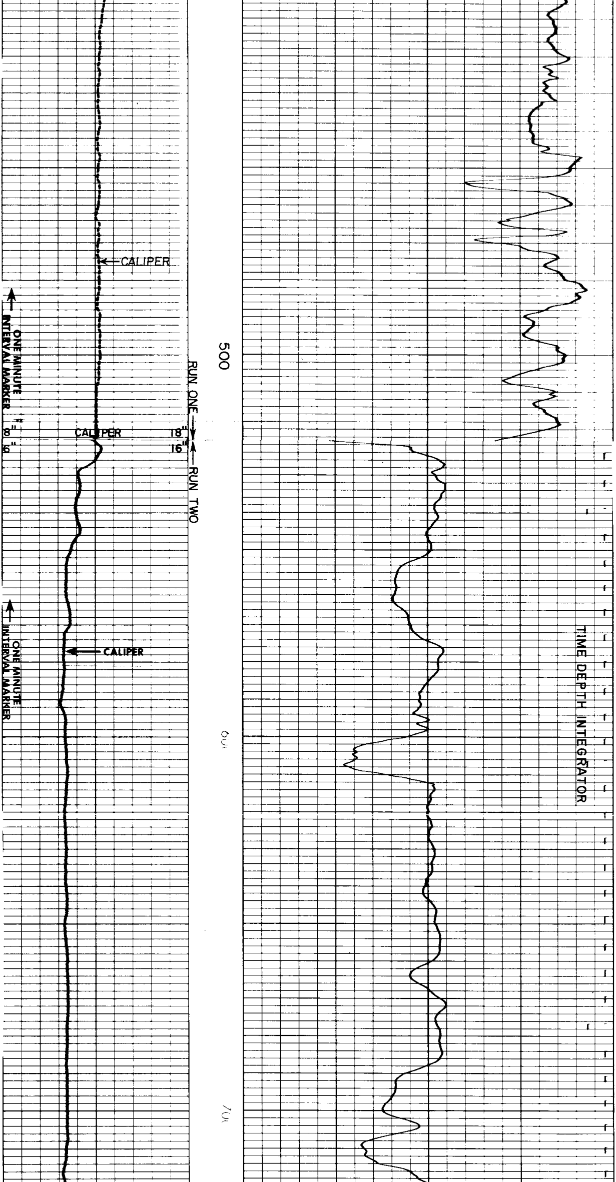
MICROSECONDS PER FT.

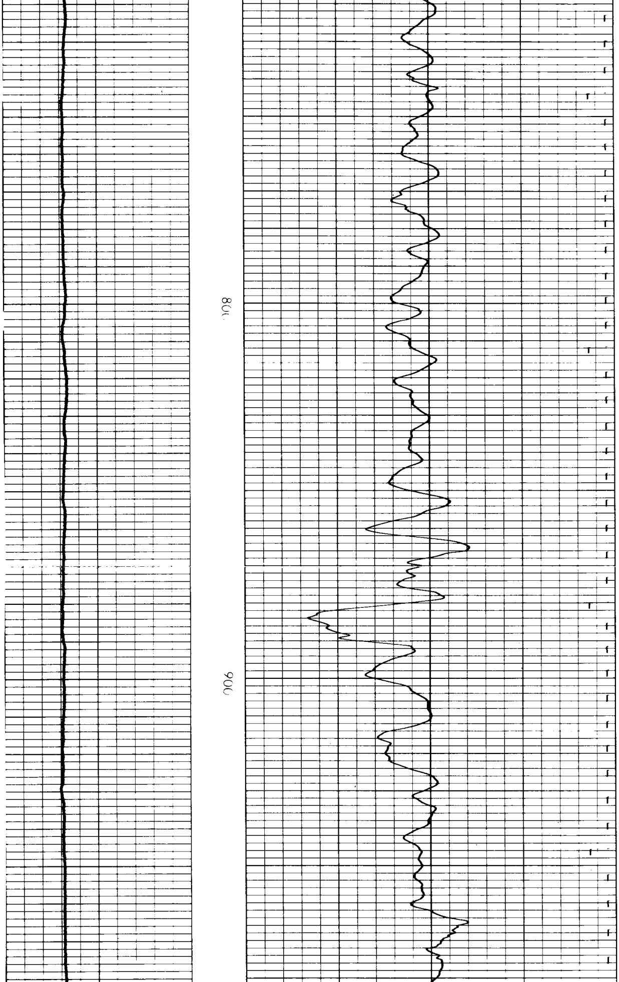
$T\ 3\ R_1\ 3\ R_2$

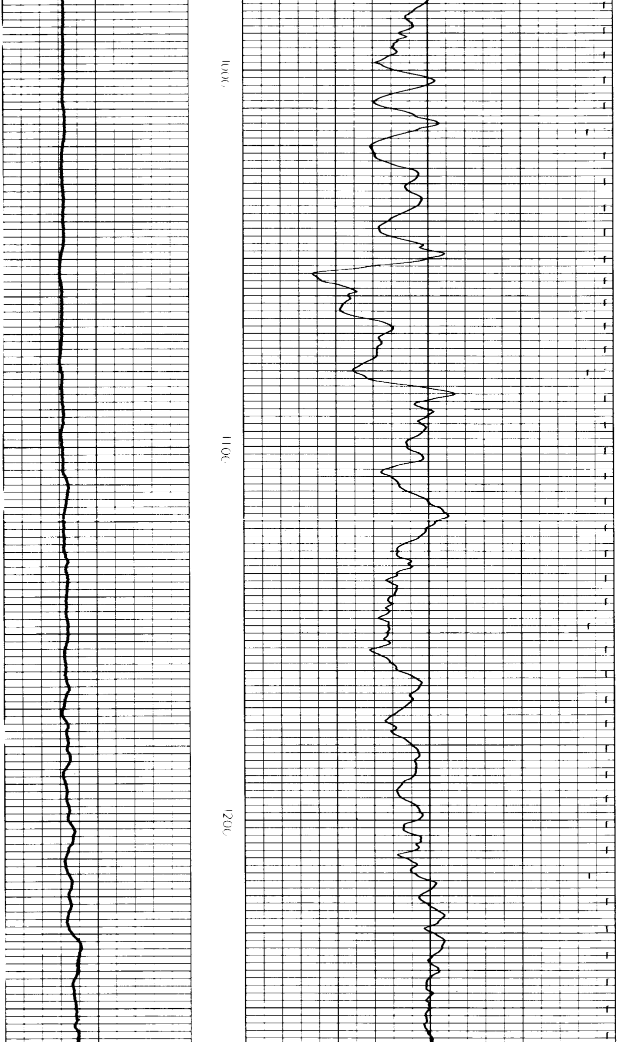
170 120 70

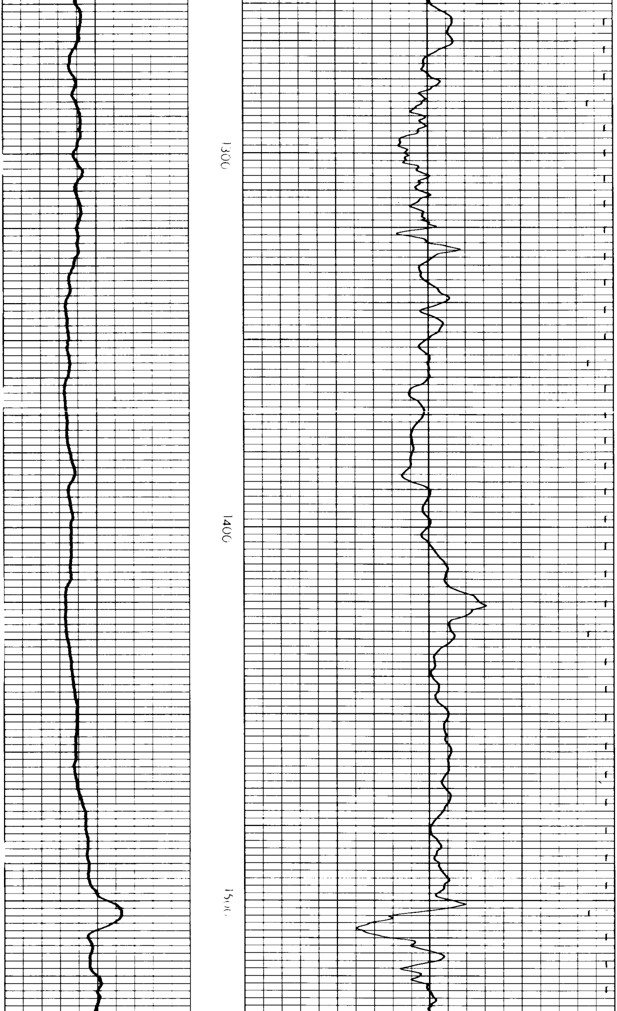
270 220 170

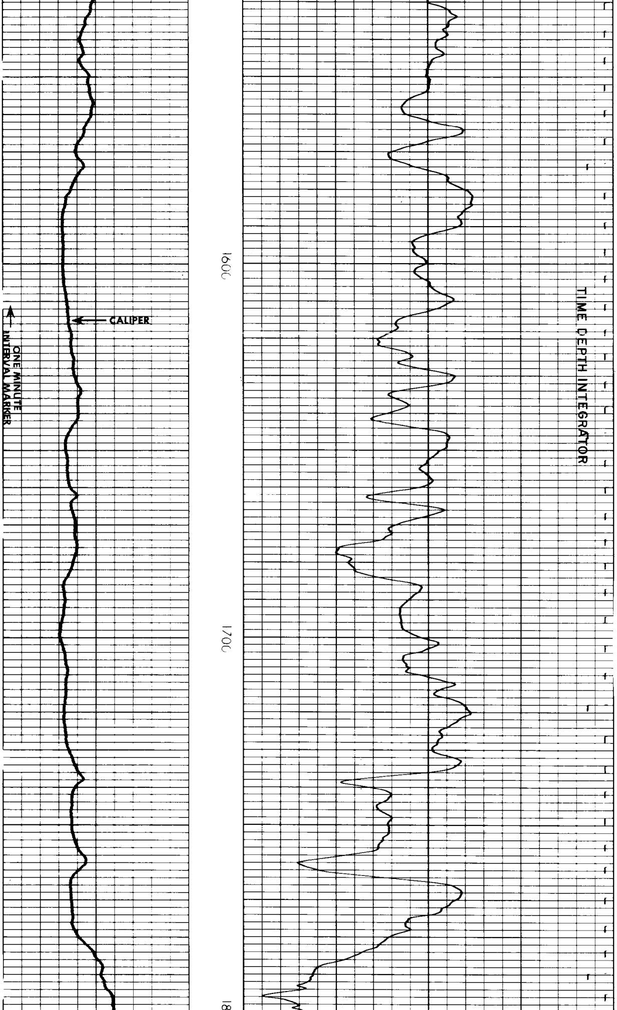


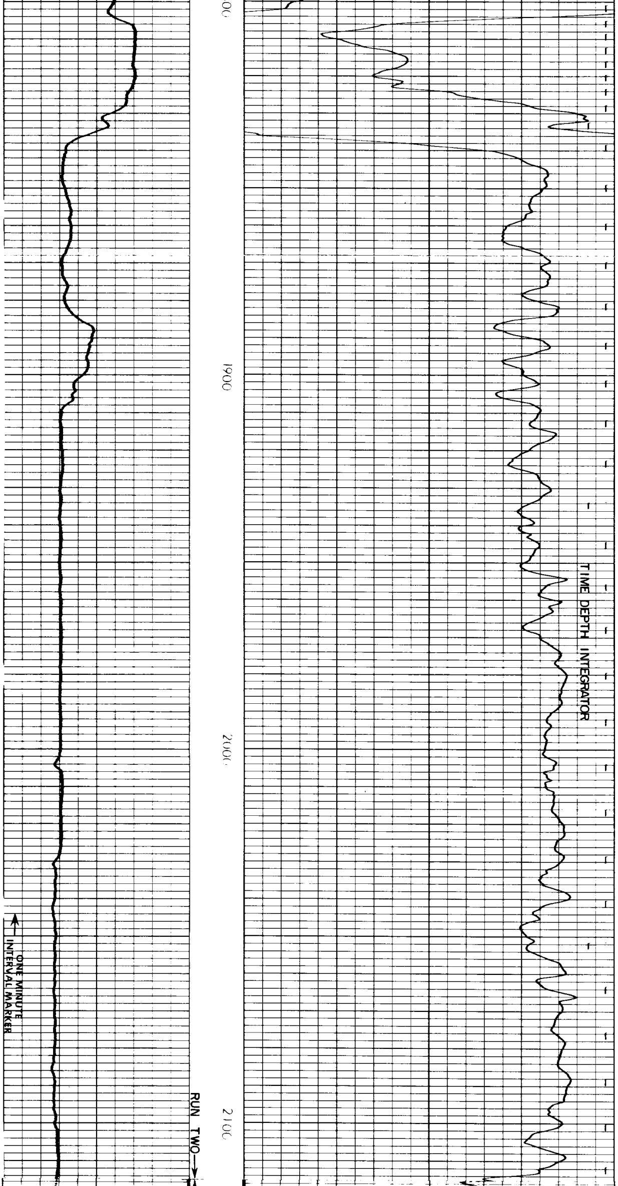


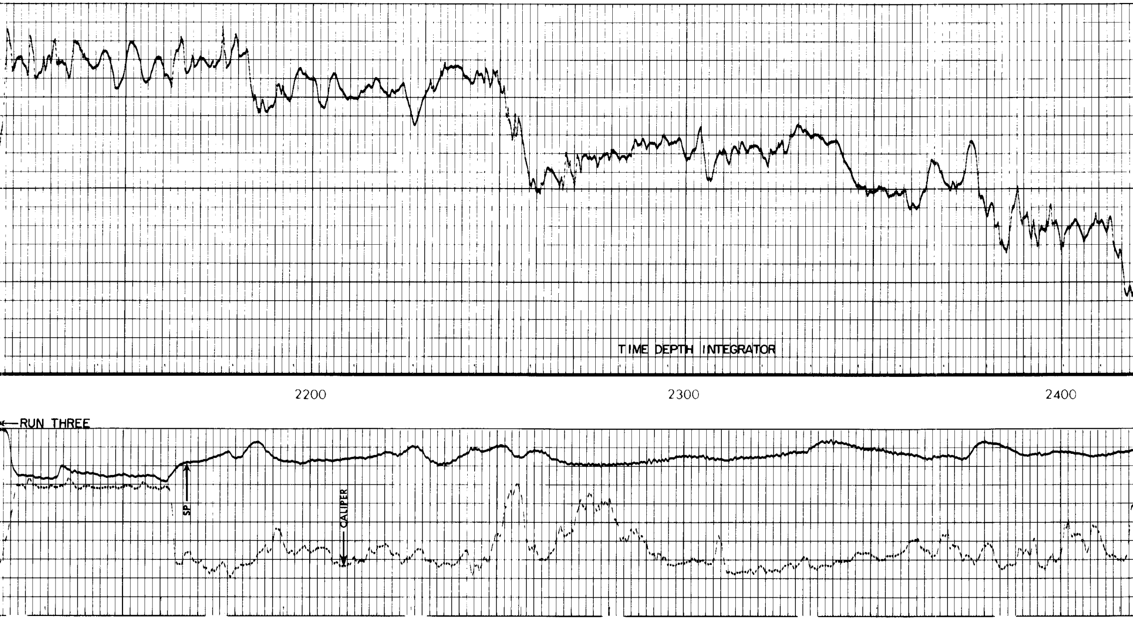


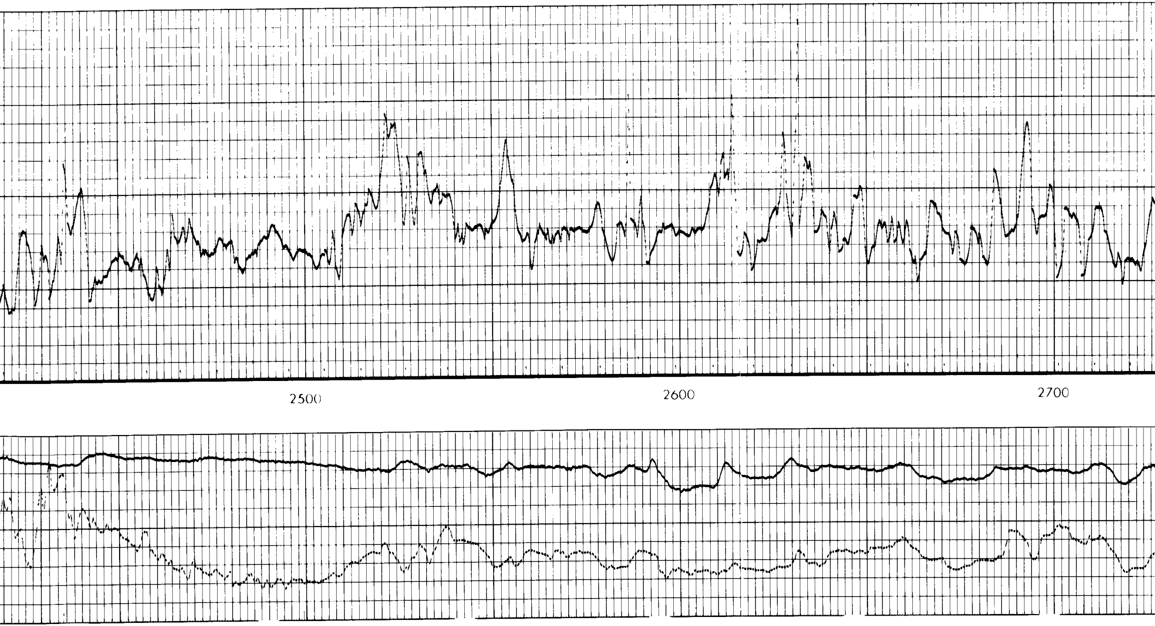


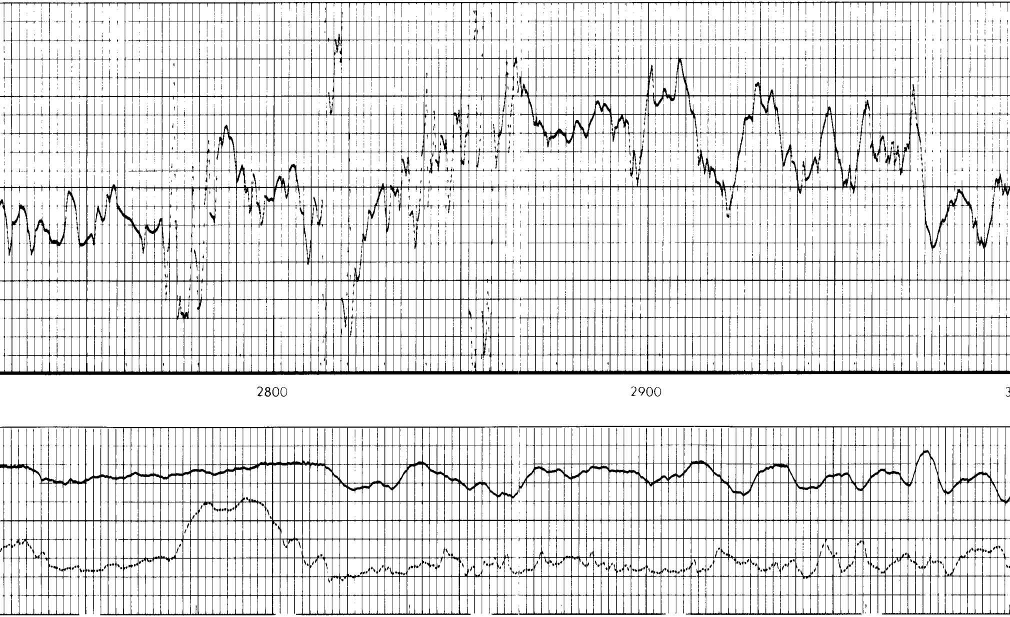


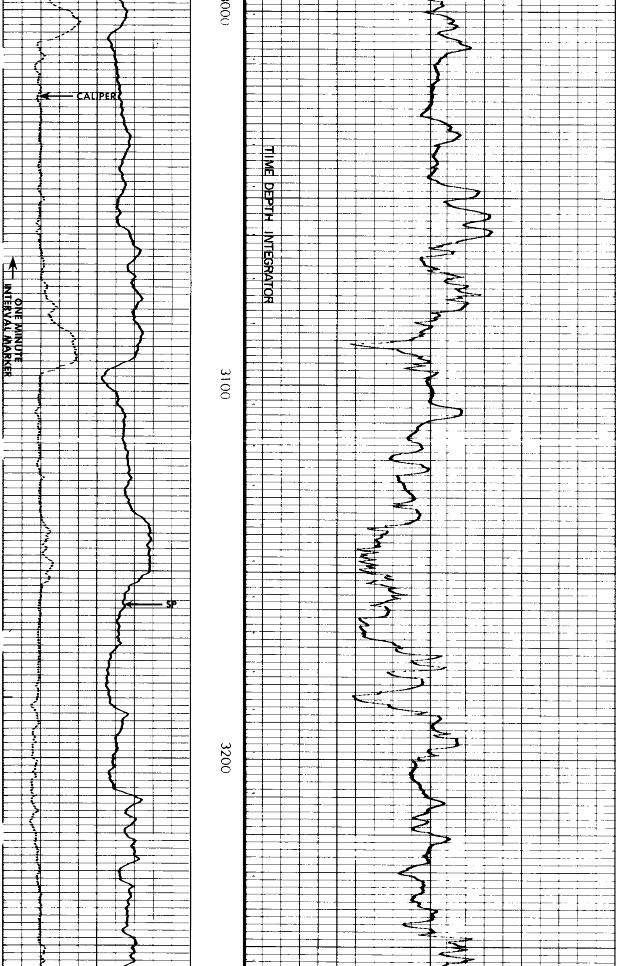


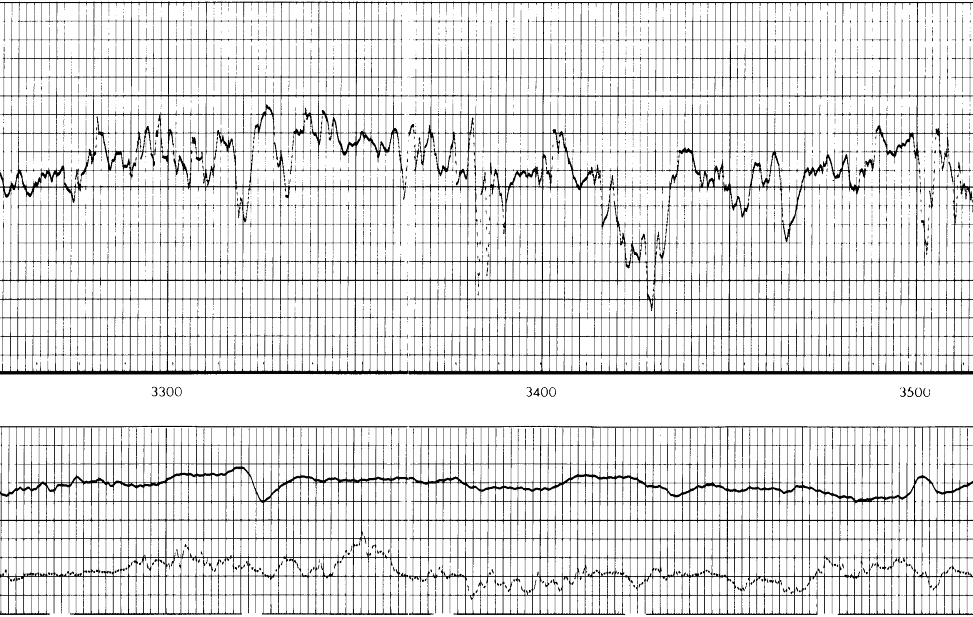


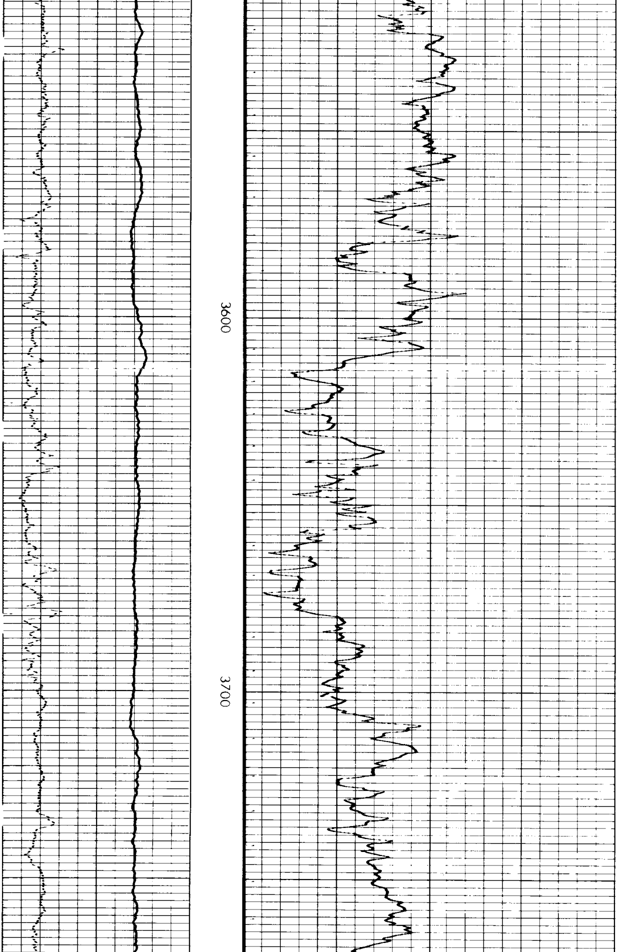


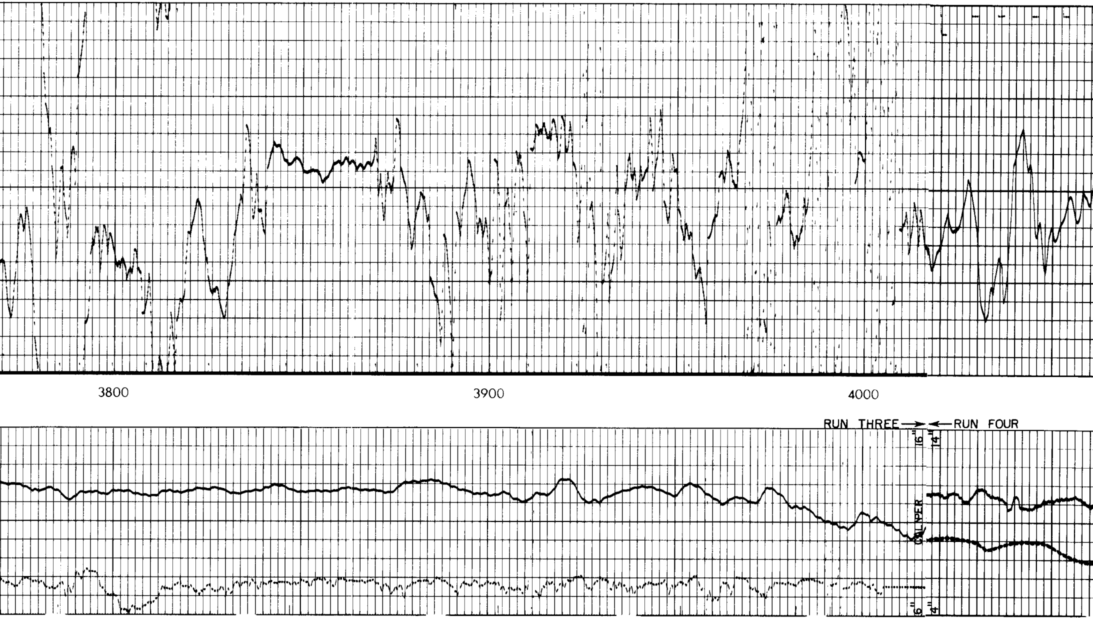


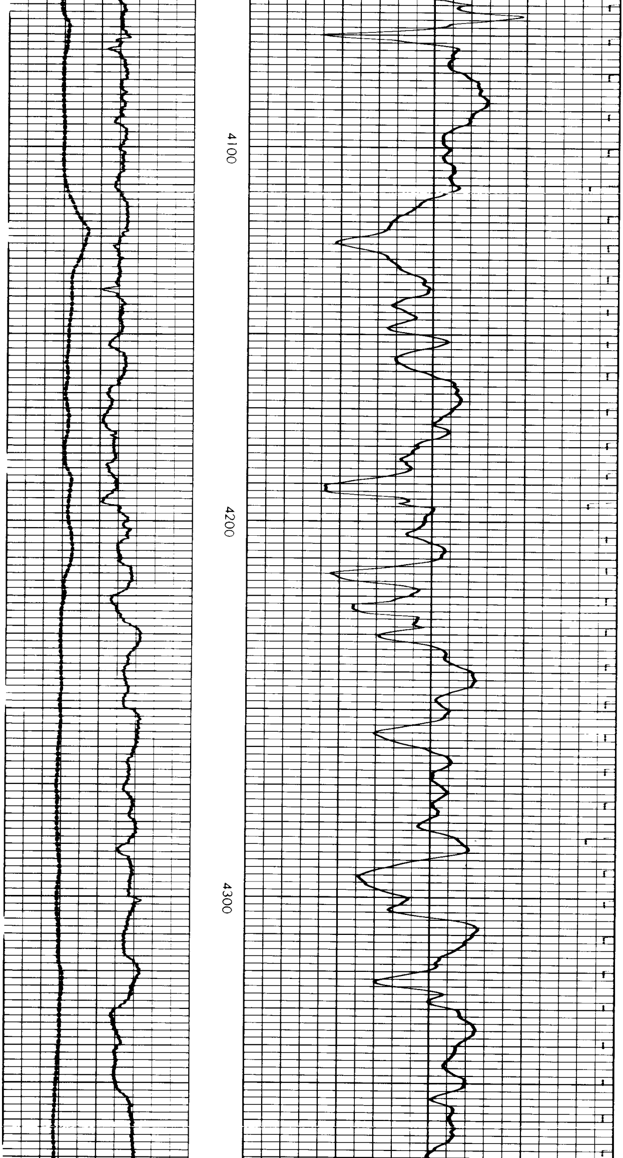


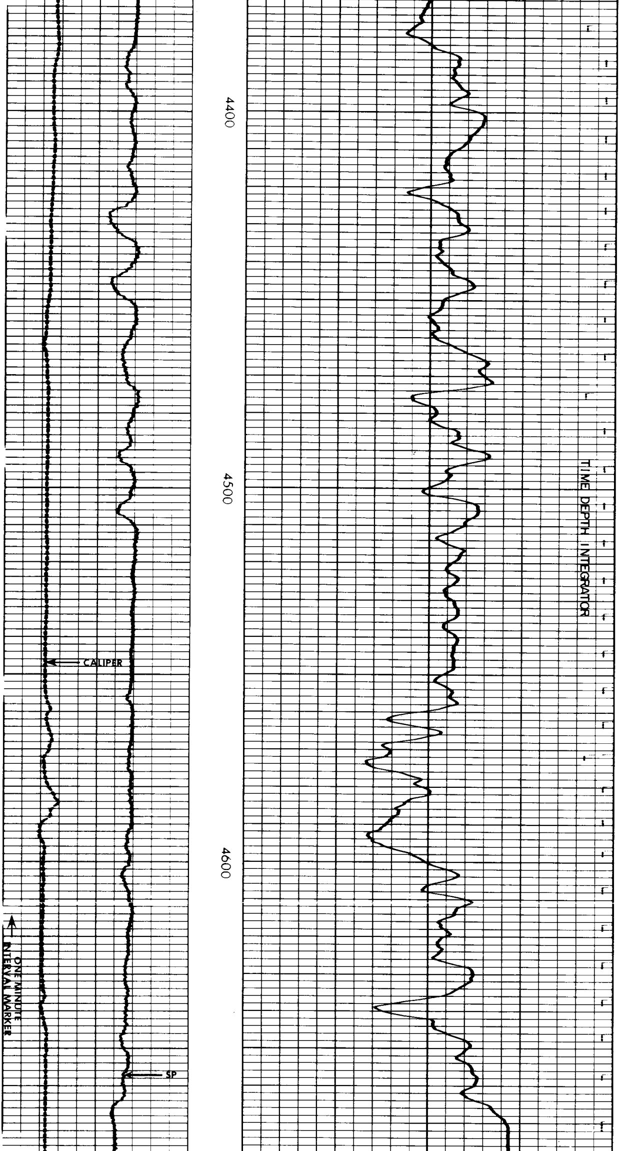


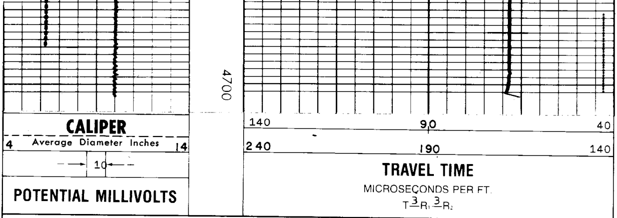








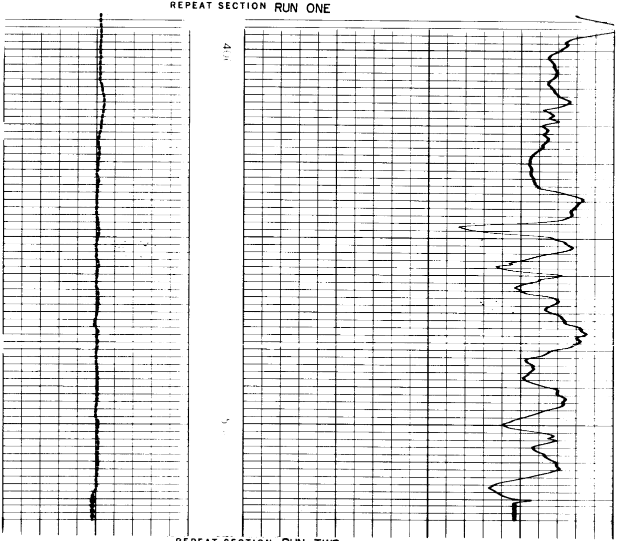




AMERICAN QUASAR PETROLEUM COMPANY
HICKEY No. 9-12
LEBANON (API NO. 36-043-00013)
LINN COUNTY, OREGON

T.D. LOGGED 4686
T.D. DRILLER 4692
T.D. WELEX 4692
ELEV: K.B. 340.1 G.L. 329.6

REPEAT SECTION RUN ONE



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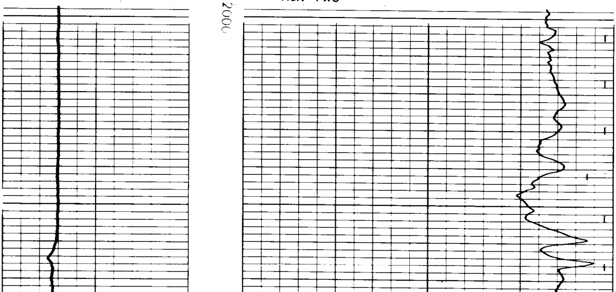

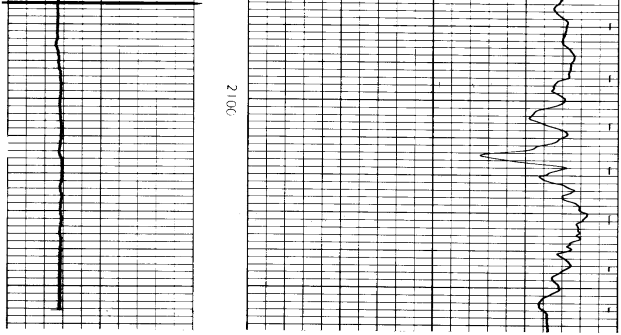

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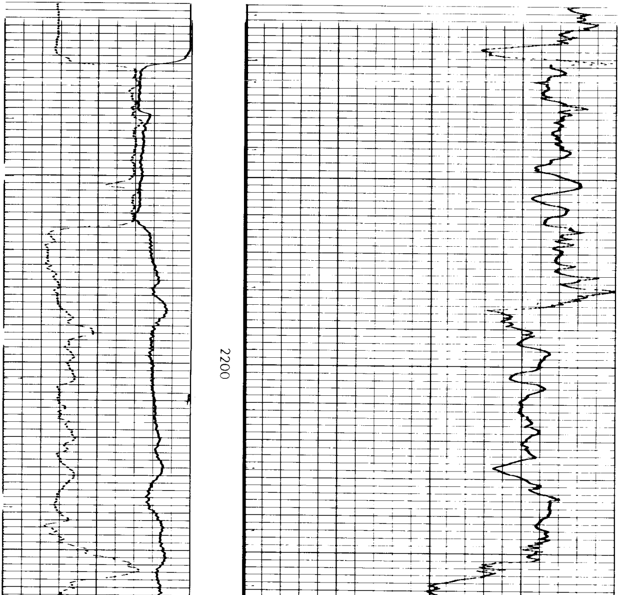

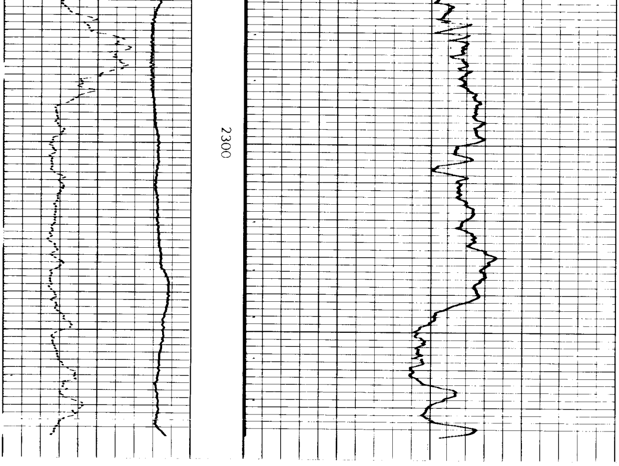

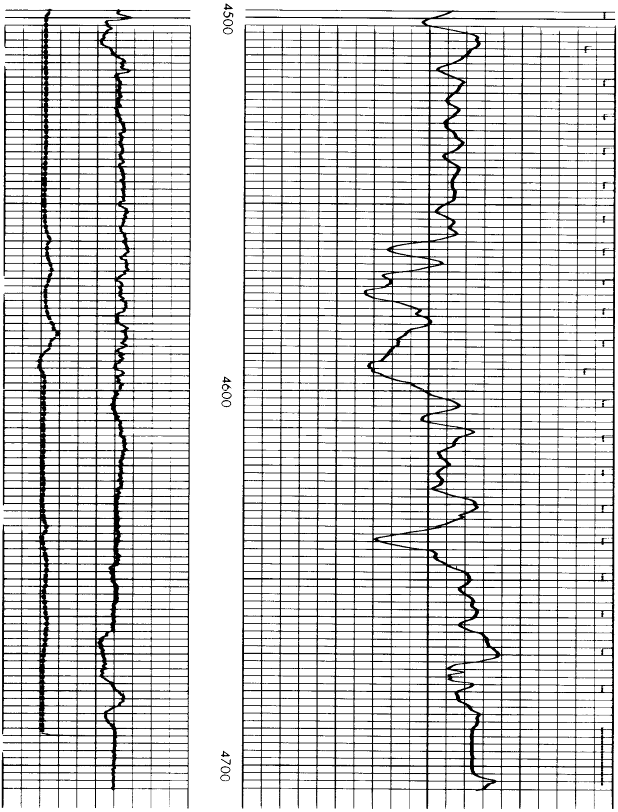REPEAT SECTION RUN FOUR