2''

Schlumberger

DUAL INDUCTION - LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY
FIELD or
LOCATION
WELL
COMPANY

COMPANY STANDARD OIL COMPANY OF CALIF.

WELL BLUE MOUNTAIN UNIT #1

FIELD EXPLORATORY

COUNTY MALHEUR STATE OREGON

Location: 2430' from South Line
200' from West Line

Sec. 34 Twp. 37S Rge. 41E

Other Services:

Permanent Datum: GL ; Elev.: 5541
Log Measured From KB , 17 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 5558
D.F
G.L 5541

Date	7-2-7	8-4-73		
Run No.	1	TWO		
Depth - Driller	2015	8414		
Depth - Logger	2016	8421		
Btm. Log Interval	2010	8415		
Top Log Interval	172	2015		
Casing - Driller	16 @171	10 3/4 @2015	@	@
Casing - Logger	172	2015		
Bit Size	15	7 7/8		
Type Fluid in Hole	GEL DEXTRID	DEXTRID GEL		
Fluid Level	FULL	FULL		
Dens. | Visc.	68 | 19	67 1/2 | 55	|	|
pH | Fluid Loss	8.3 | 8 ml	9.0 | 7.6 ml	| ml	| ml
Source of Sample	CIRCULATED	FLOWLINE		
R_m @ Meas. Temp.	2.35 @ 90 °F	2.18 @ 75 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.27 @ 85 °F	1.03 @ 82 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	2.0 @ [illegible] °F	[illegible] @ 82 °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | C	M | M	|	|
R_m @ BHT	2.3 @ 96 °F	1.65 @ 180 °F	@ °F	@ °F
Time Since Circ.	2	[illegible]		
Max. Rec. Temp.	96 °F	[illegible] °F	°F	°F
Equip. | Location	5106 | SAC	5106 | [illegible]	|	|
Recorded By	ANDERSON	FELLER		
Witnessed By	[illegible]	[illegible]		

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES

Date | Sample No.		
Depth - Driller		
Type Fluid in Hole		
Dens. | Visc.		
ph | Fluid Loss	ml	ml
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	1	[illegible]
Panel No.	4A 212	[illegible]
Cart. No.	B 25	[illegible]
Sonde No.	DE 122	[illegible]
Mem. Panel No.	B 410	[illegible]
G.R. Cart No.	—	
G.R. Panel No.	—	
TTR No.	—	
Cent. Device	[illegible]	
Stand off - Inches	1''	1/2
Time Const. - Sec.	—	
Speed - F.P.M.	100	

REMARKS

Service Order No. - 84224
API Serial No. -

OFF BOTTOM 1900
[illegible]
[illegible]

☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at R_m
☐ 6FF40 zero set in hole at depth of feet.

CALIBRATION DATA

CALIBRATION	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISION	SENS. TAP FOR CAL.	SENS. TAP RECORD	TIME CONST.
GAMMA RAY						

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS-POTENTIAL
MILLIVOLTS

– 10 +

GAMMA RAY
API UNITS

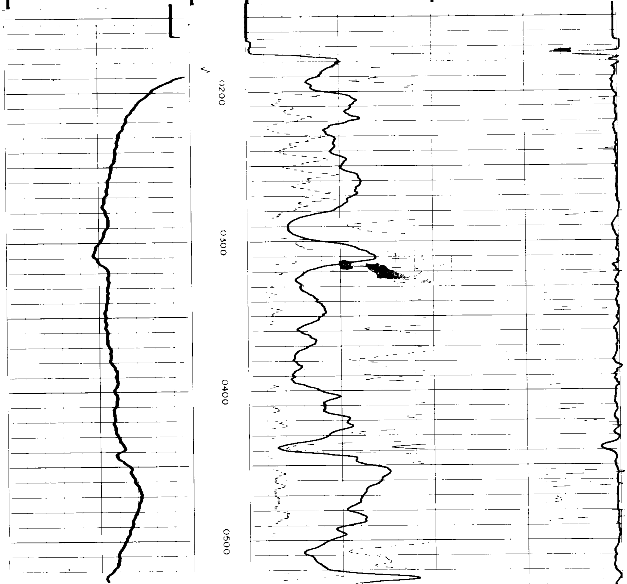
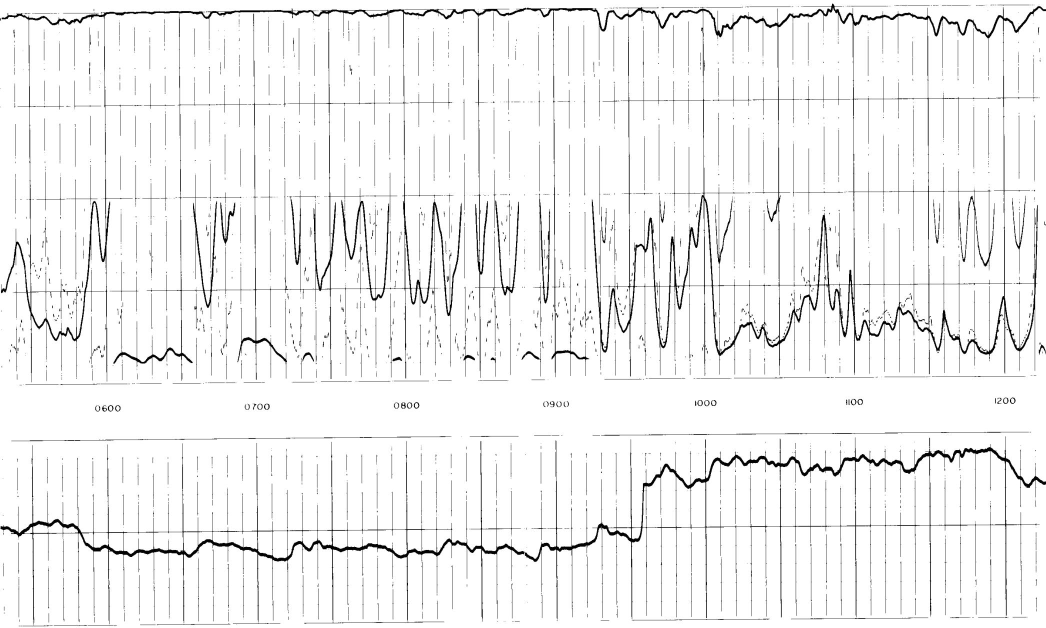
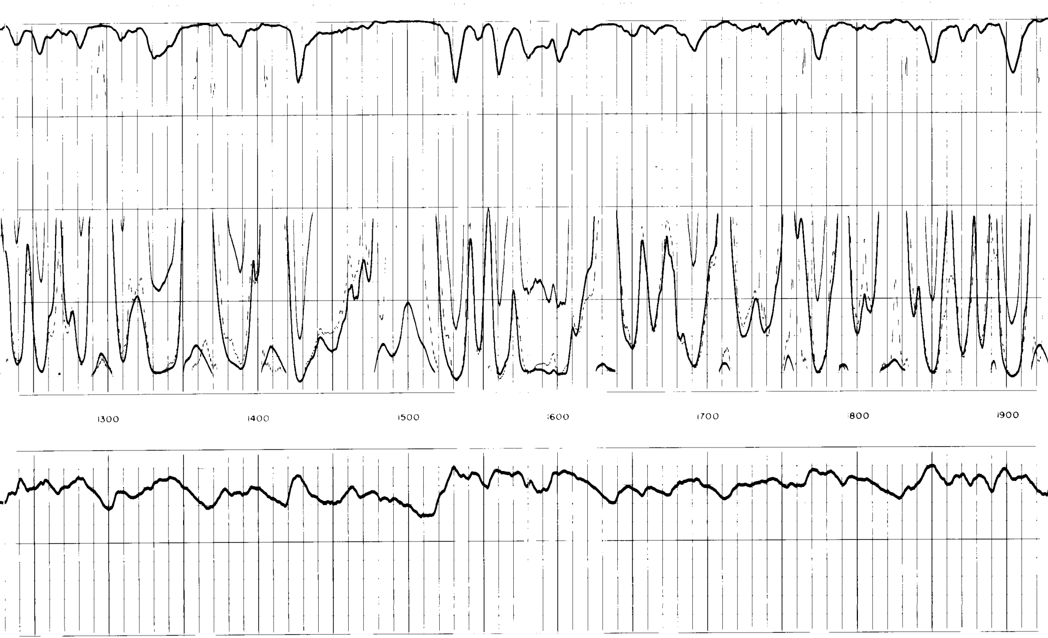
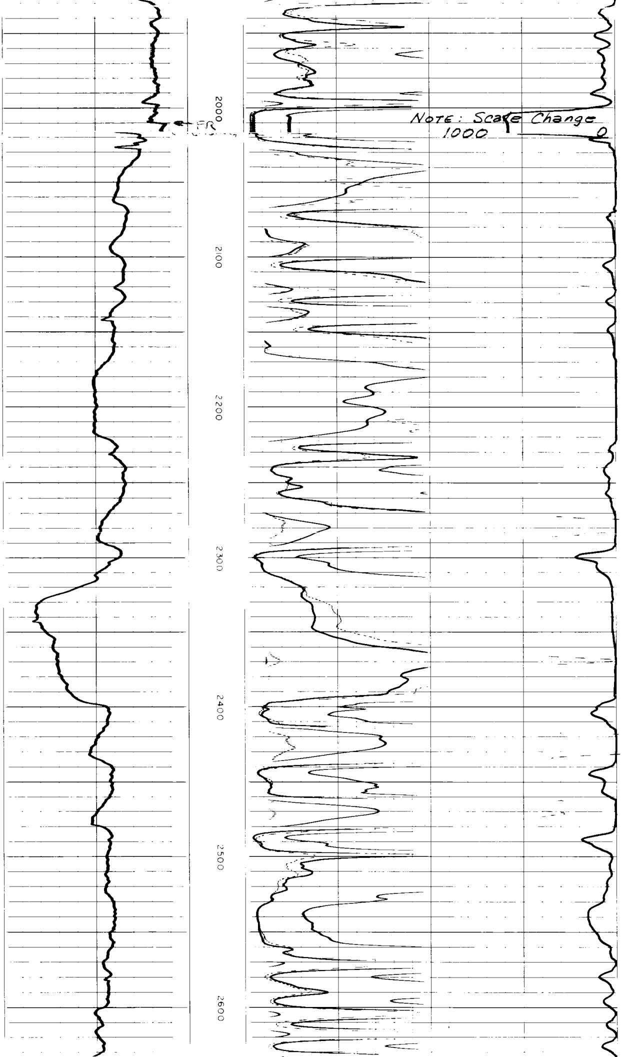
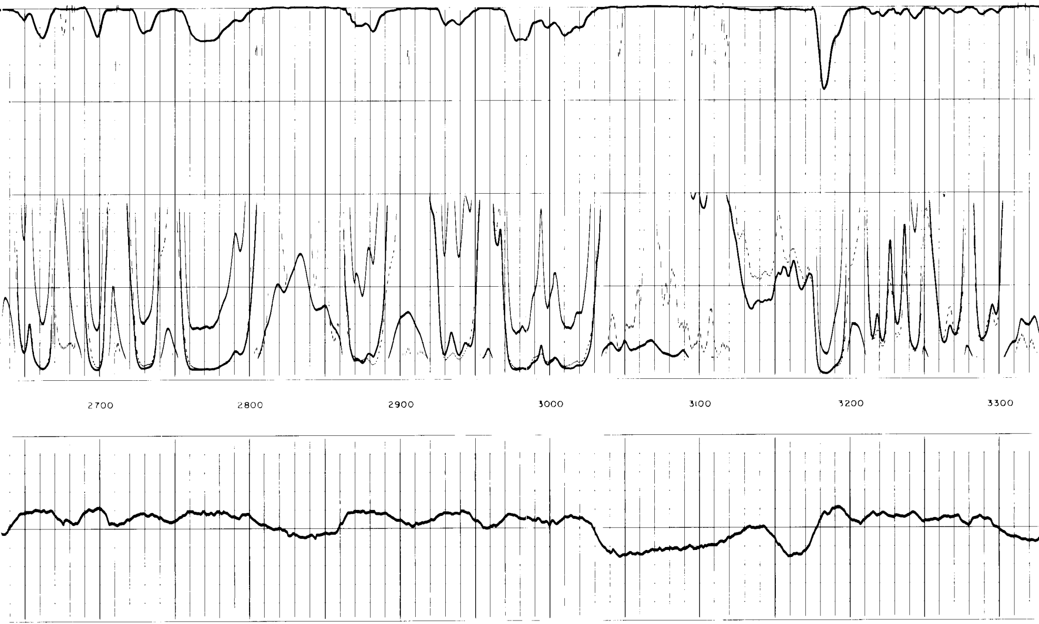
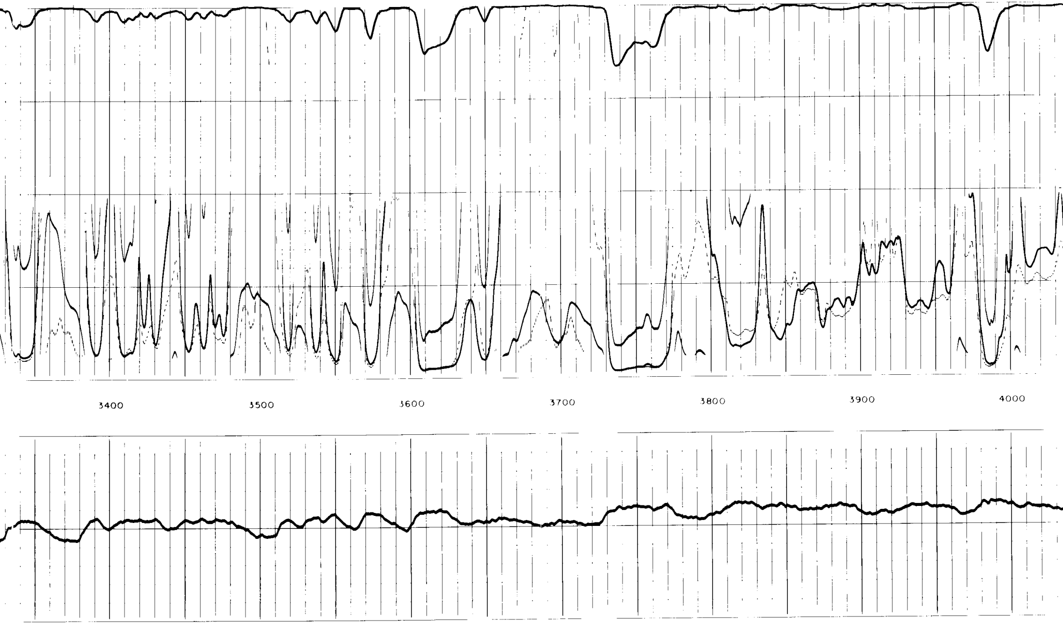
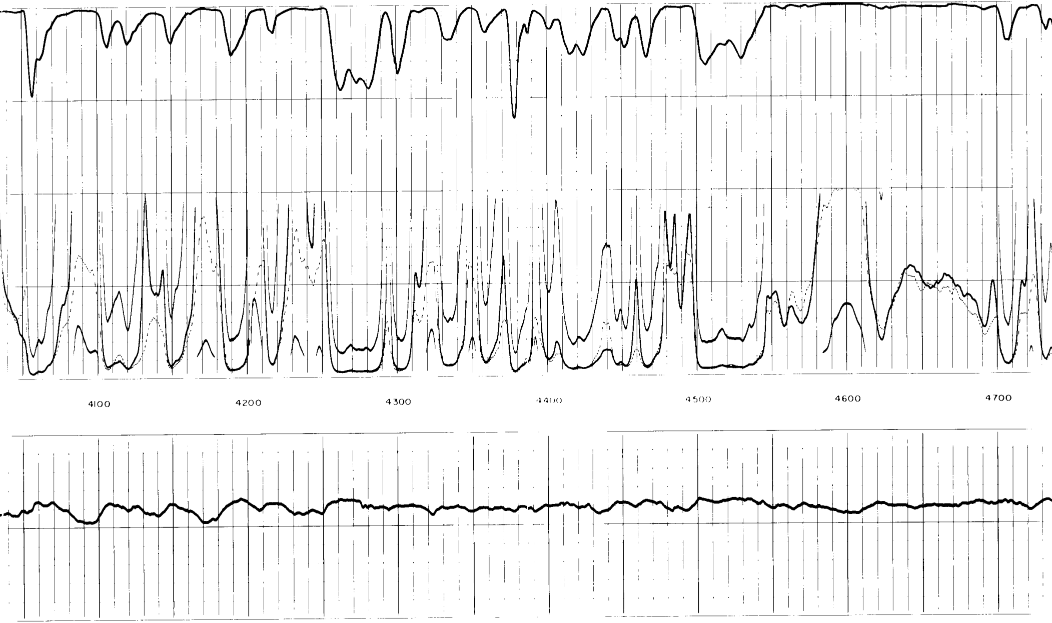
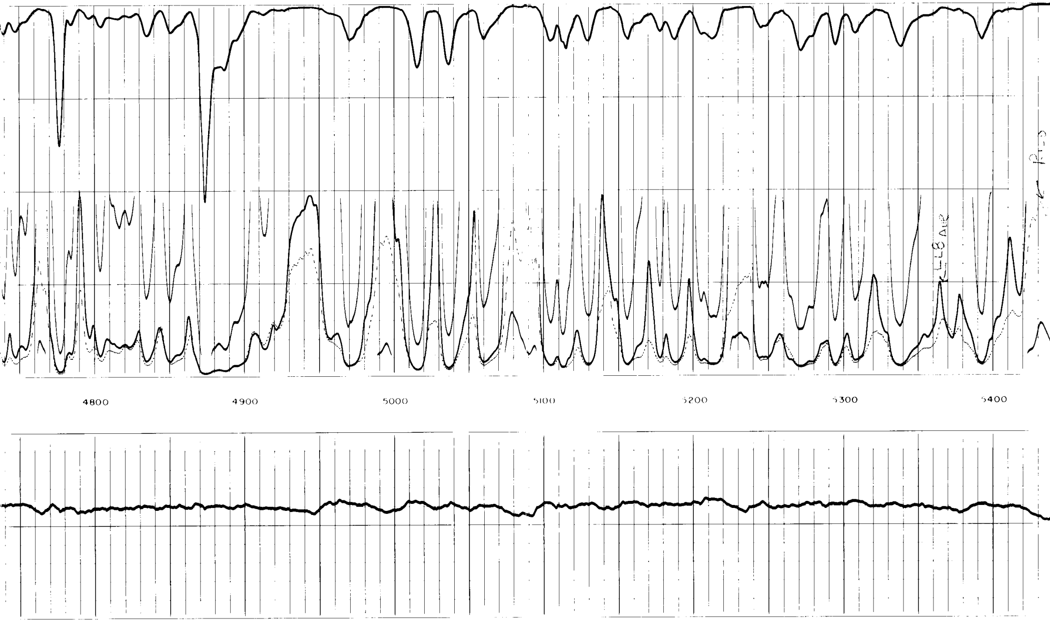
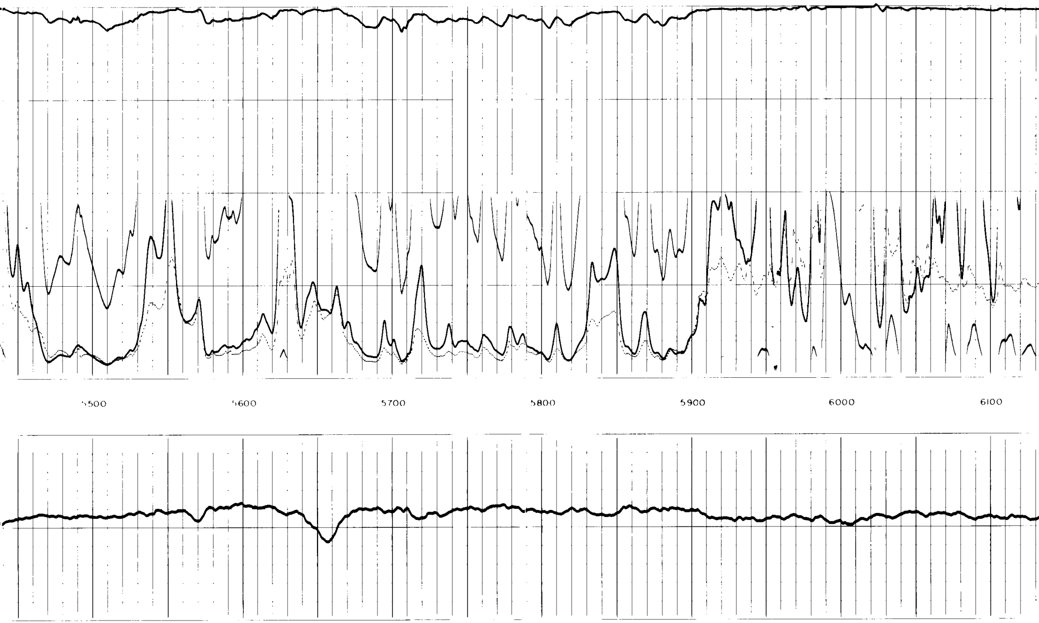
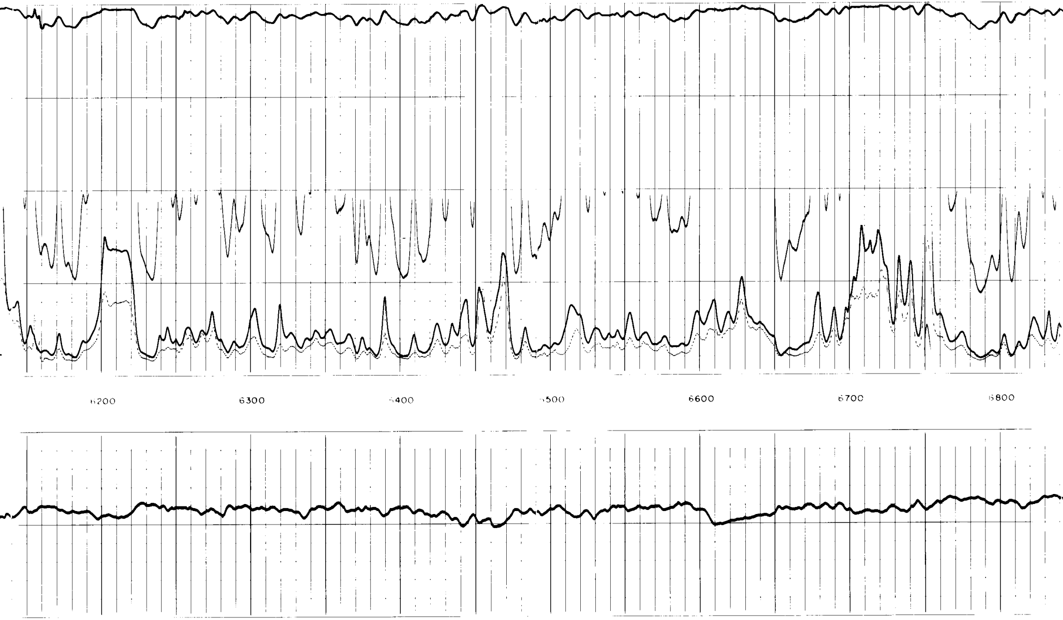
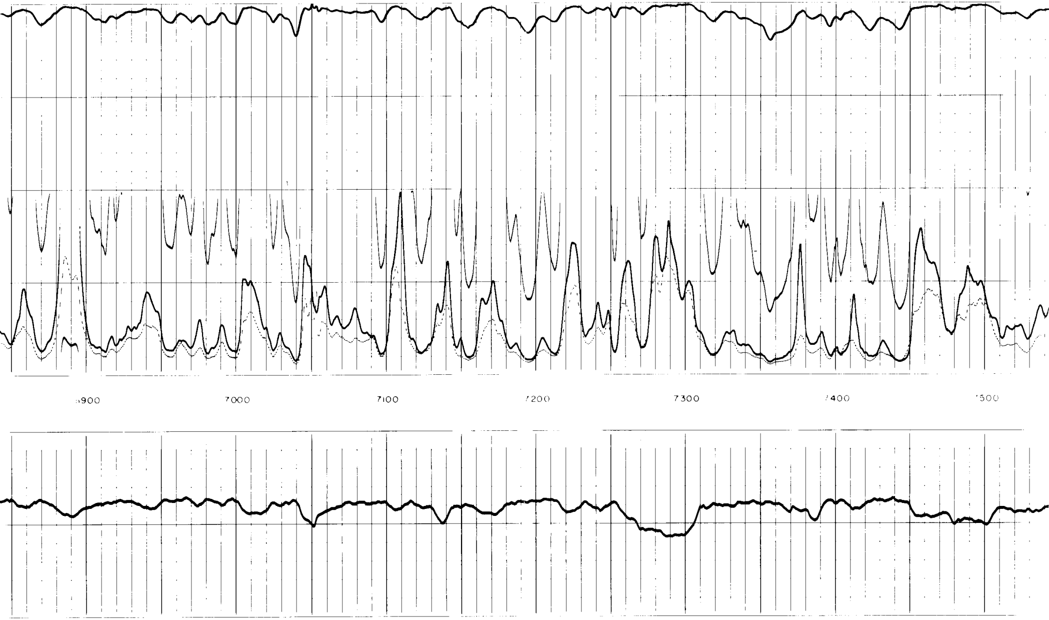
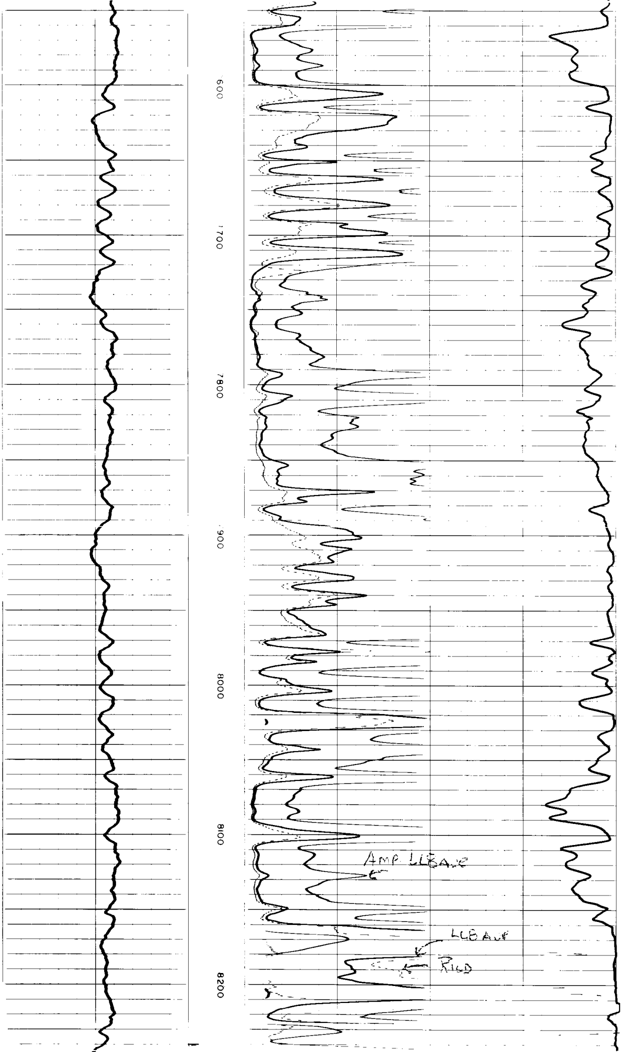
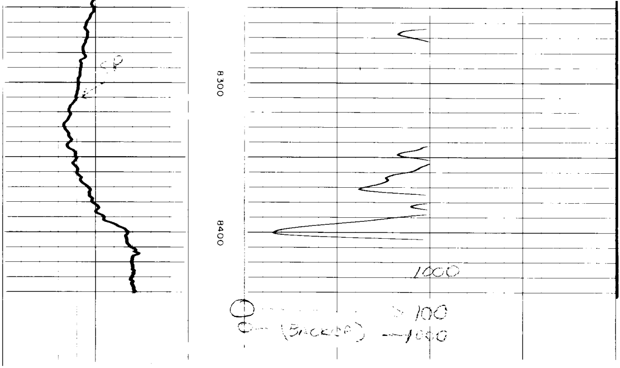
CONDUCTIVITY
MILLIMHOS M = $\frac{1000}{\text{OHMS. } M^2/M}$

DEEP INDUCTION LOG
1000 500 0

RESISTIVITY
OHMS. M^2 M

DEEP INDUCTION LOG
0 100
0 1000

AVERAGED LATEROLOG - 8
0 100
0 1000

0 **AMP. AVE. LATEROLOG - 8** 20