G00174

Permit # 20005

Schlumberger

DUAL INDUCTION - LATEROLOG

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY SANDS-AMERICAN CORPORATION

~~CONFIDENTIAL~~

WELL OSBURN #1-5

FIELD WILDCAT

COUNTY ATCHISON STATE MISSOURI

Location: 660'SL SE SE 600'EL API Serial No:

Sec. 28 Twp. 64N Rge. 39W

Other Services: FDC-GR CNL

Permanent Datum: GROUND LEVEL, Elev.: 1032

Log Measured From: KB 4.5 Ft. Above Perm. Datum

Drilling Measured From: KB

Elev.: K.B. 1036.5
D.F. —
G.L. 1032

NOV 0 1 1974
MO. OIL & GAS COUNCIL

Date	10/27/74			
Run No.	ONE			
Depth—Driller	2250			
Depth—Logger	2245			
Btm. Log Interval	2239			
Top Log Interval	314			
Casing—Driller	9 5/8 @ 314	@	@	@
Casing—Logger	314			
Bit Size	6 3/4" (CSG.-2050); 6 1/2" (2050-TD)			
Type Fluid in Hole	FRESH MUD W/ GEL			
Fluid Level	FULL			
Dens. | Visc.	— | 70			
pH | Fluid Loss	— | — ml	ml	ml	ml
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	4.85 @ 74 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.90 @ 70 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	MP | —			
Rm @ BHT	3.10 @ 98 °F	@ °F	@ °F	@ °F
Time Since Circ.	2 1/2 HRS.			
Max. Rec. Temp.	98 °F	°F	°F	°F
Equip. | Location	8571 | WICHITA			
Recorded By	PARSLOW			
Witnessed By	AVIS			

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		
Rm @ Meas. Temp.	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F
Source Rmf | Rmc		
Rm @ BHT	@ °F	@ °F
Rmf @ BHT	2.10 @ 98 °F	@ °F
Rmc @ BHT	@ °F	@ °F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	ONE	
Panel No.	CB-204	
Cart. No.	B-154	
Sonde No.	DIB-98	
Mem. Panel No.	B-118	
G.R. Cart. No.	—	
G.R. Panel No.	—	
TTR No.	—	
Cent. Device	NOT USED	
Stand off - Inches	ZERO	
Time Const - Sec.	—	
Speed - F.P.M.	—	

REMARKS

Service Order No. 83638

☒ Surface determined sonde errors used.

☐ Sonde error corrected for inch borehole signed at Rm =

☐ Induction 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	DEPTHS	**RESISTIVITY** OHMS. M^2/M

15

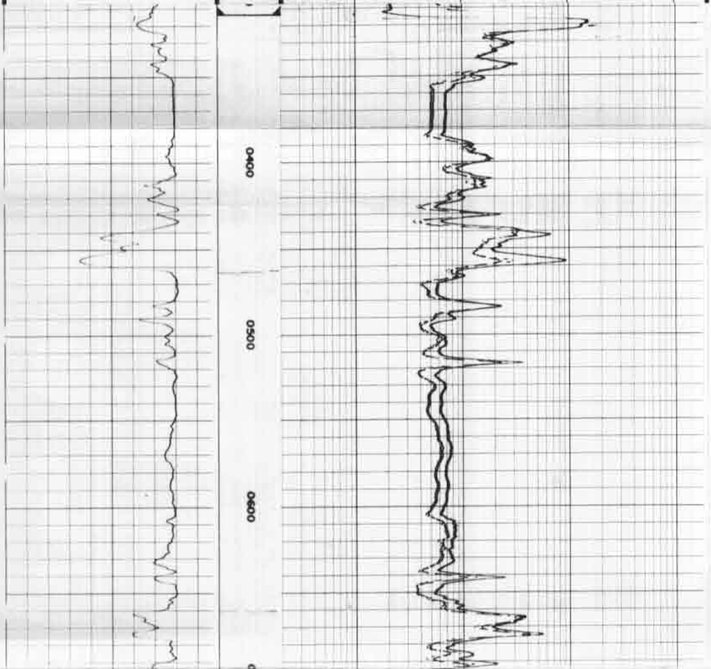
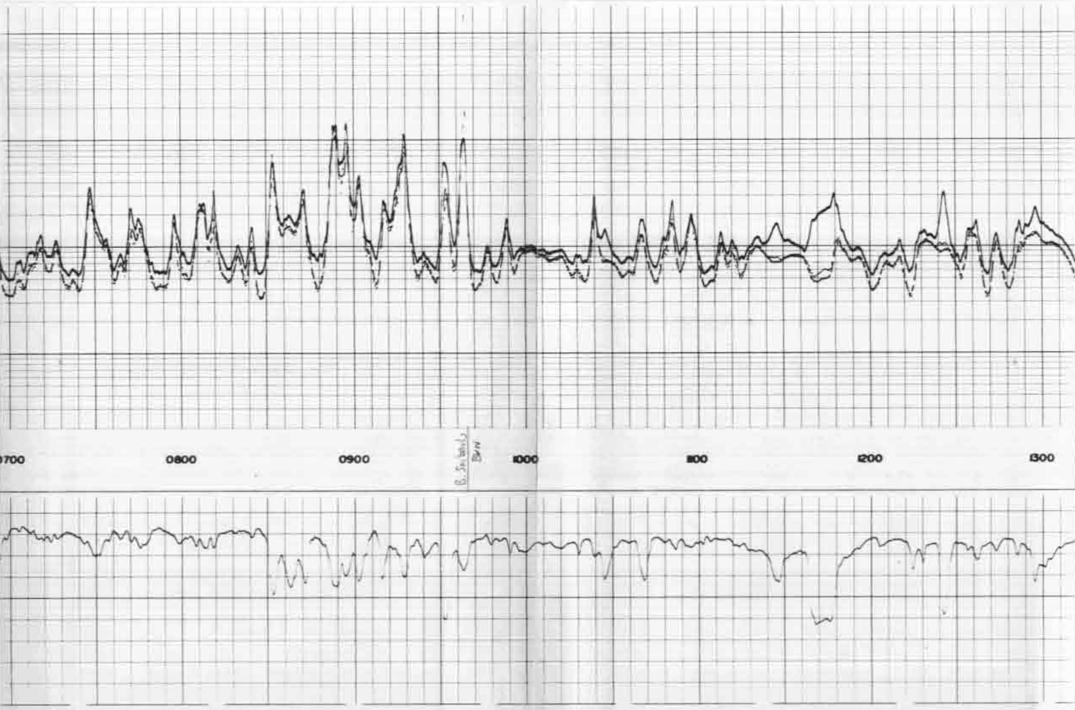
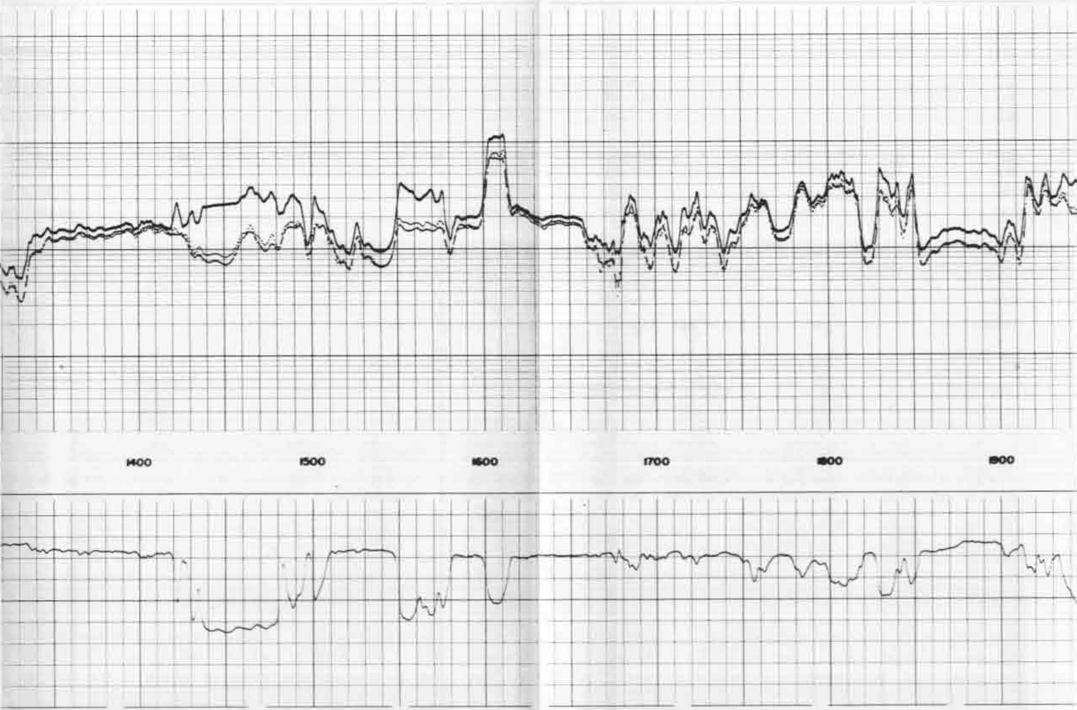
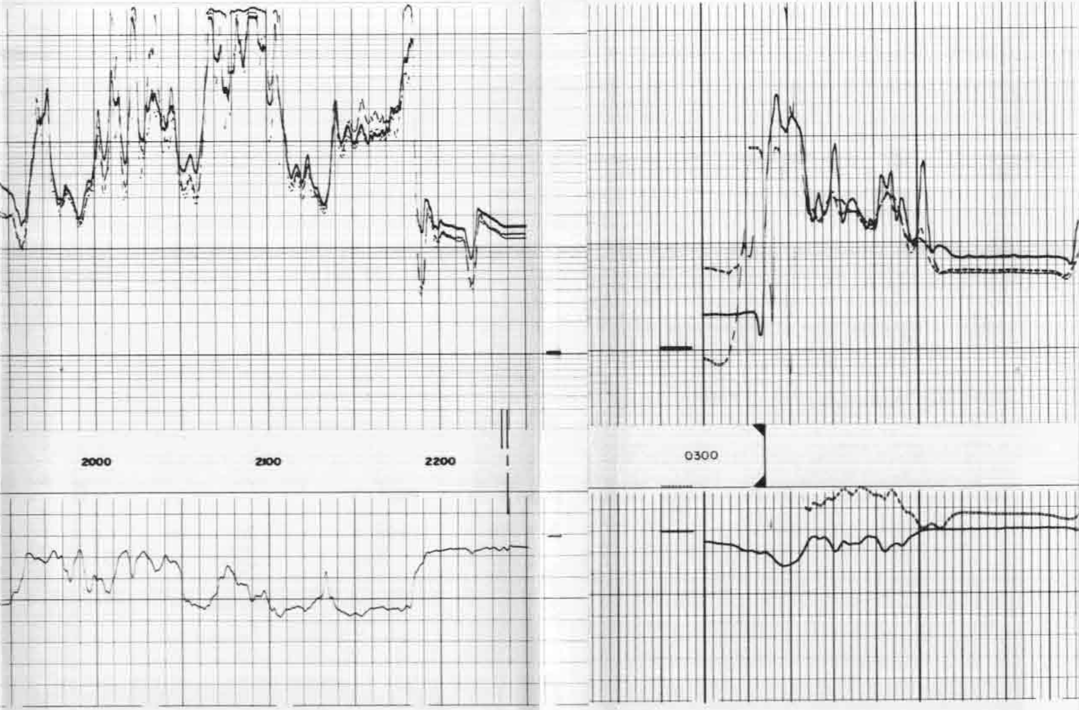
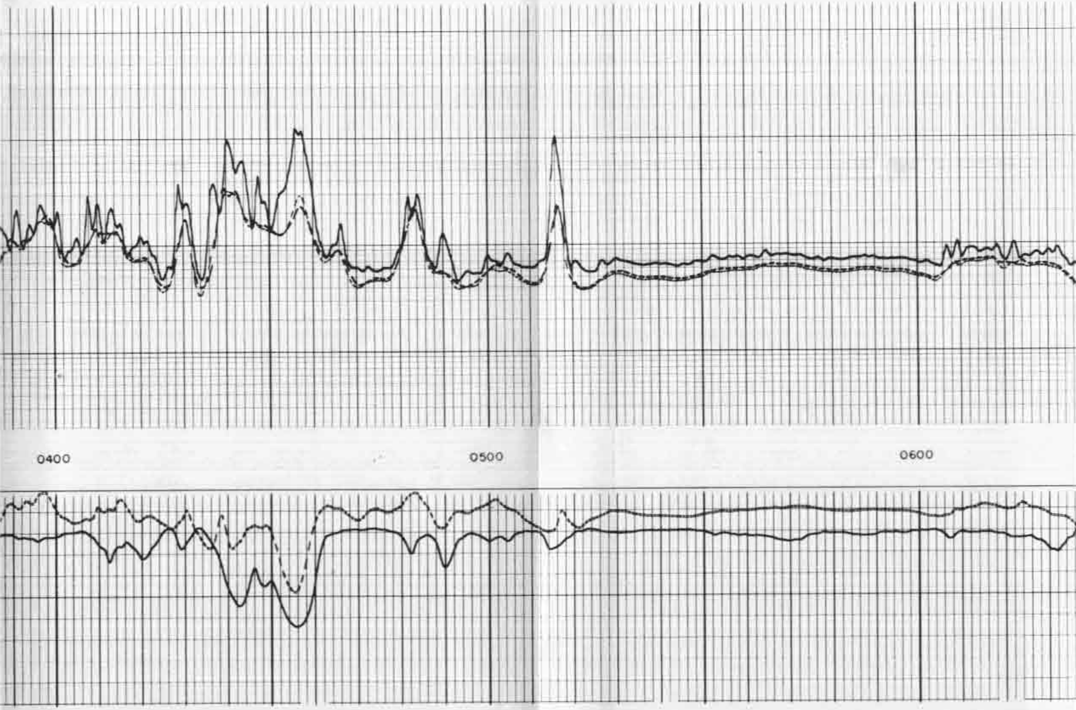
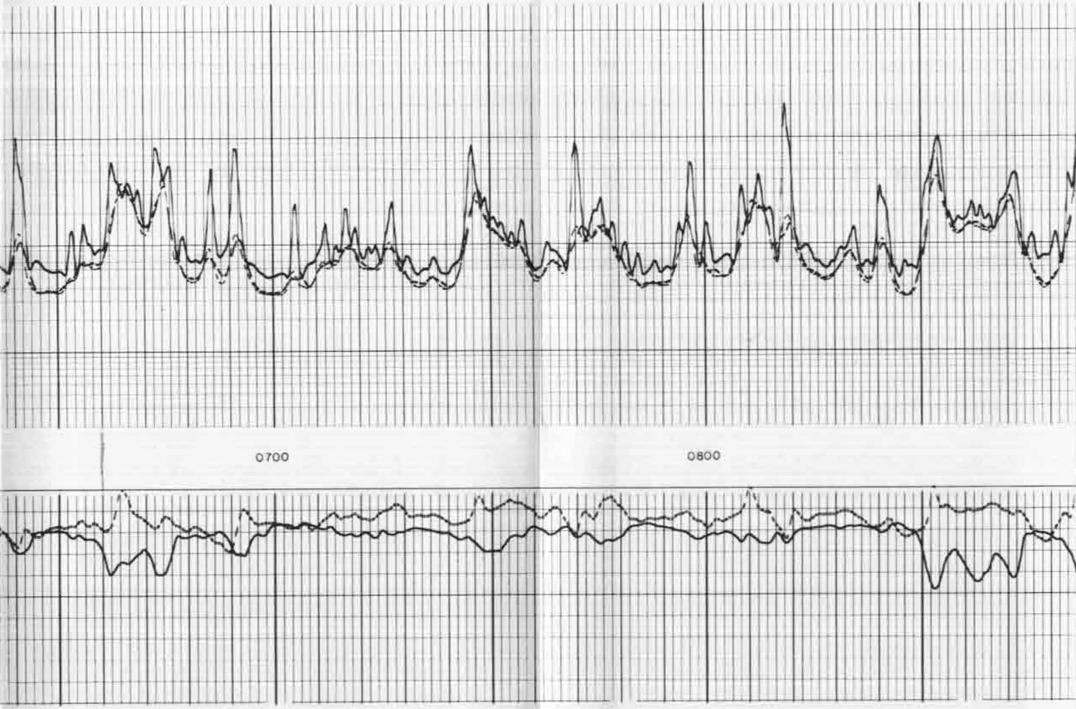
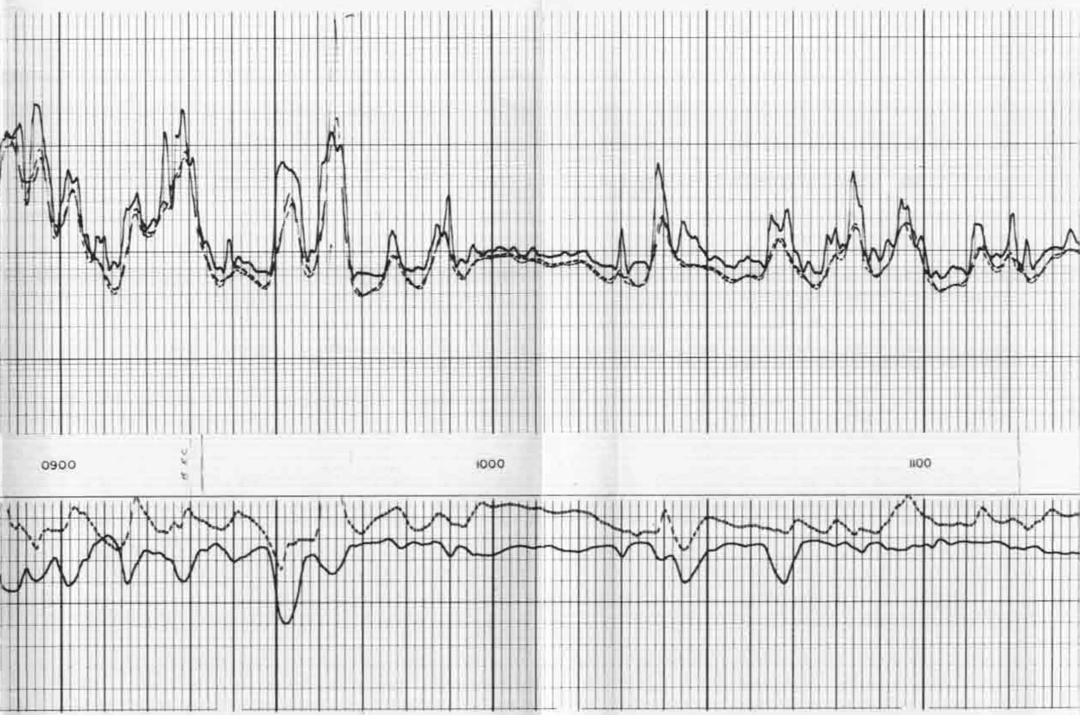
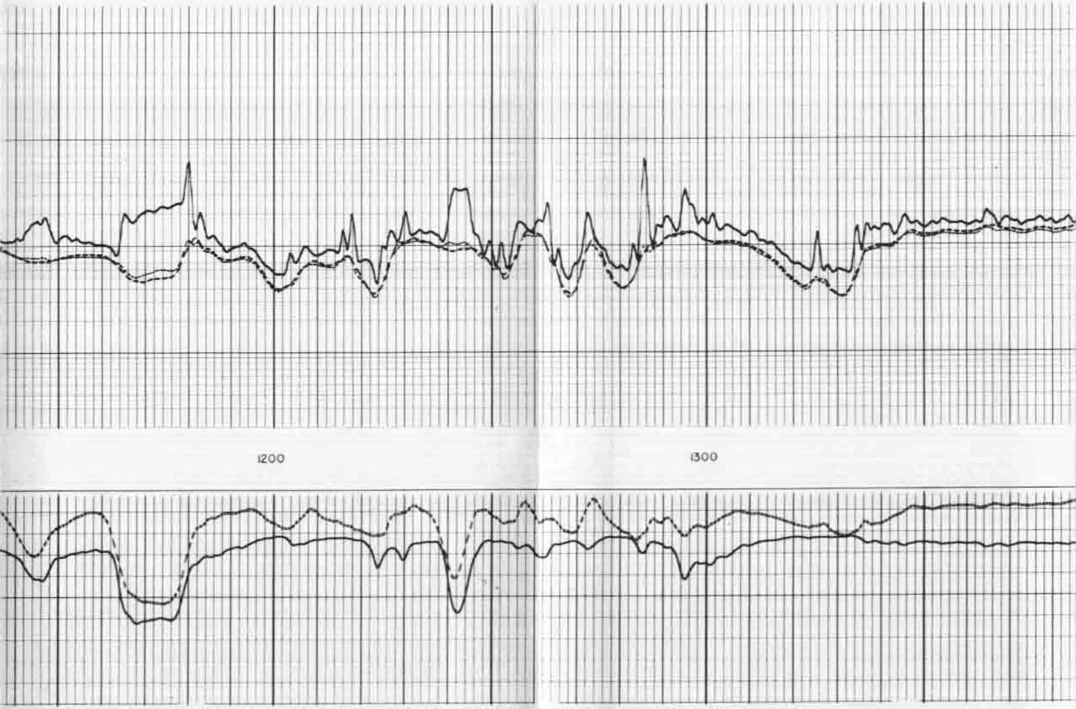
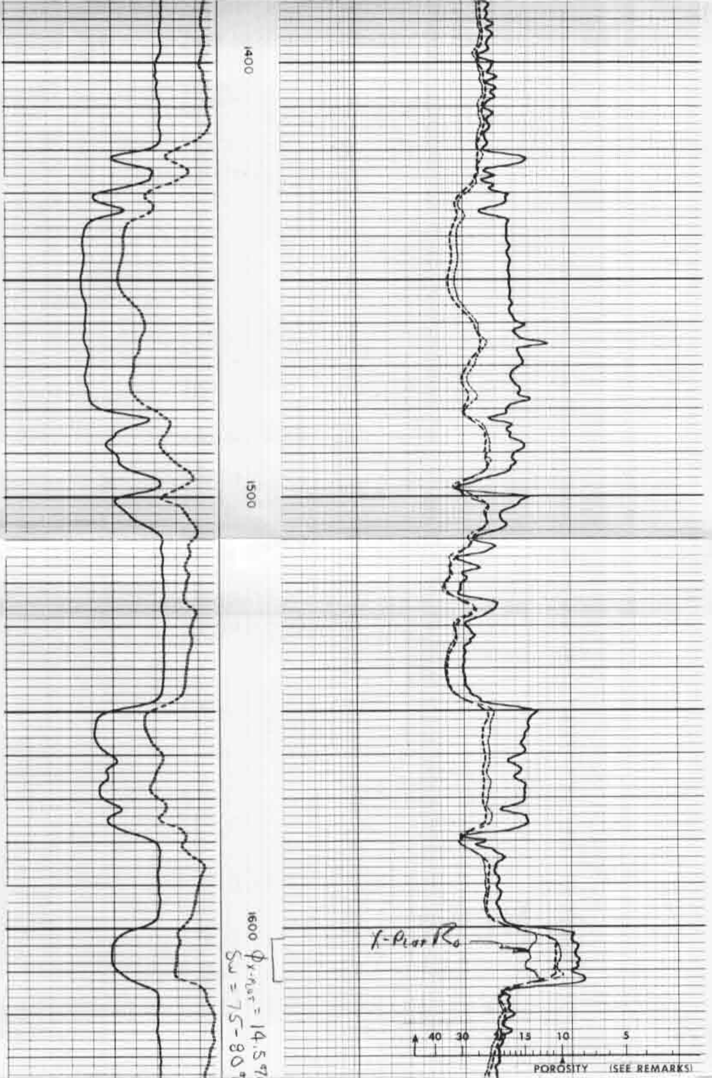
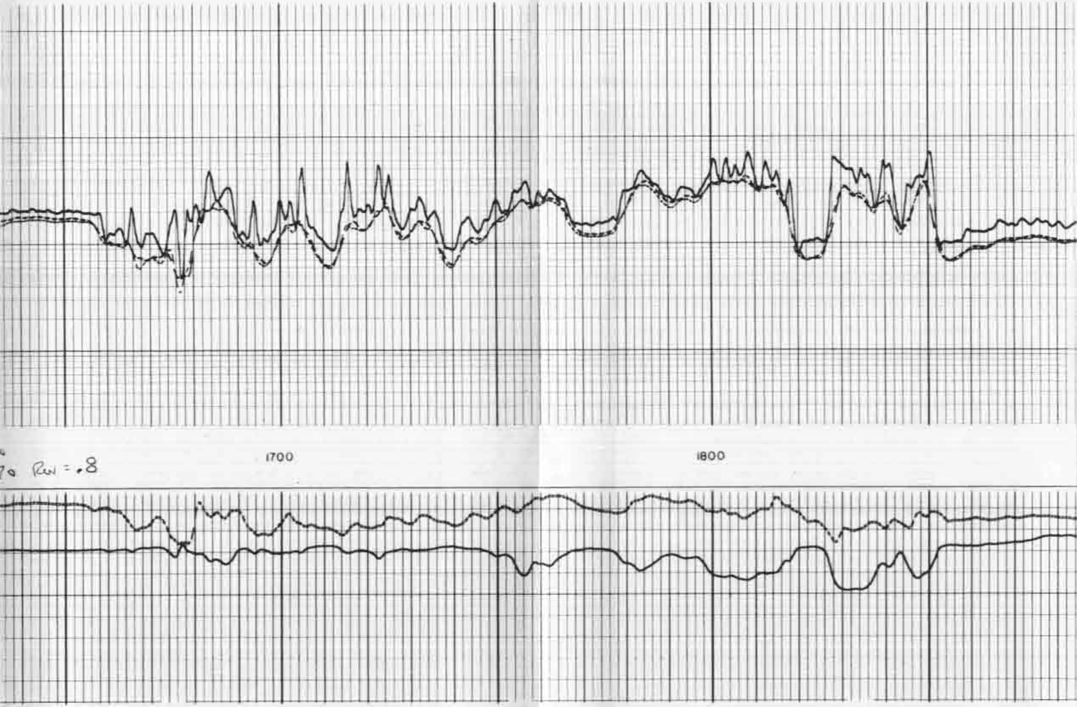
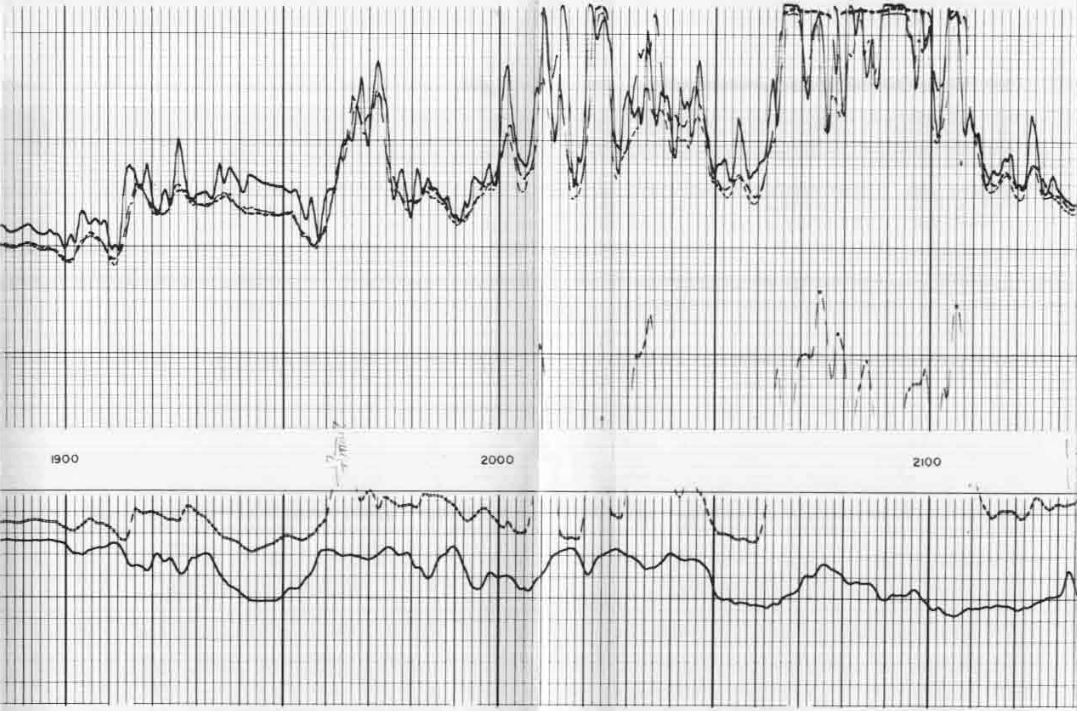
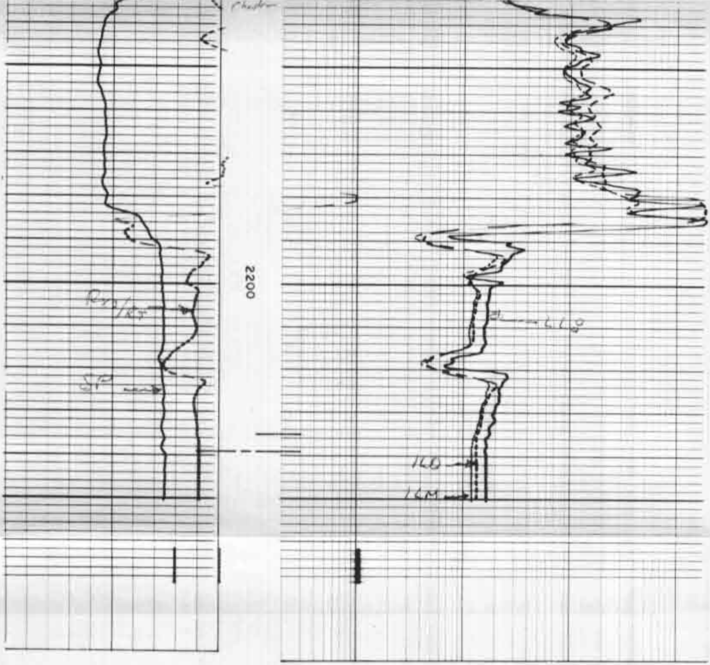
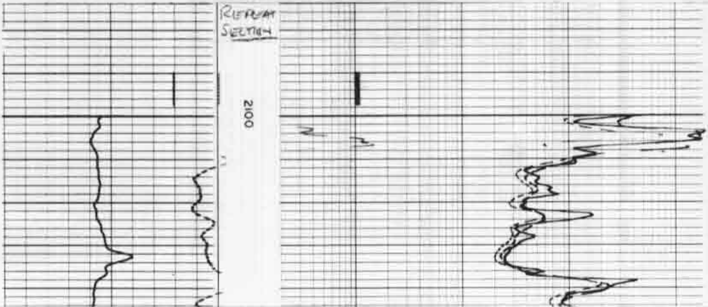
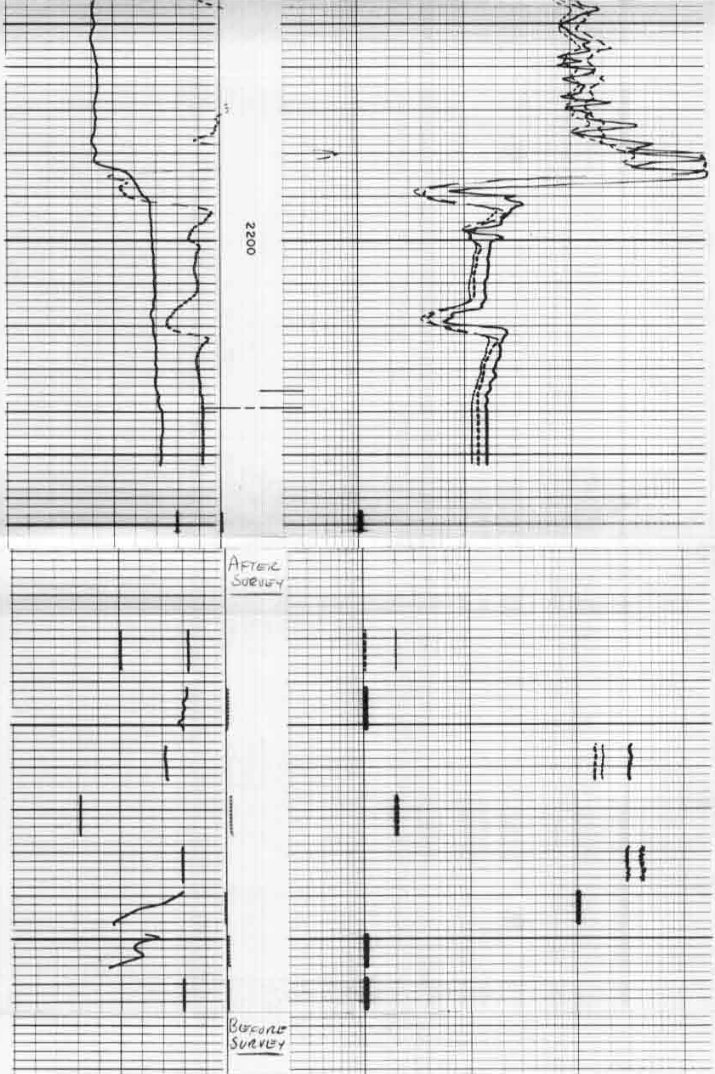
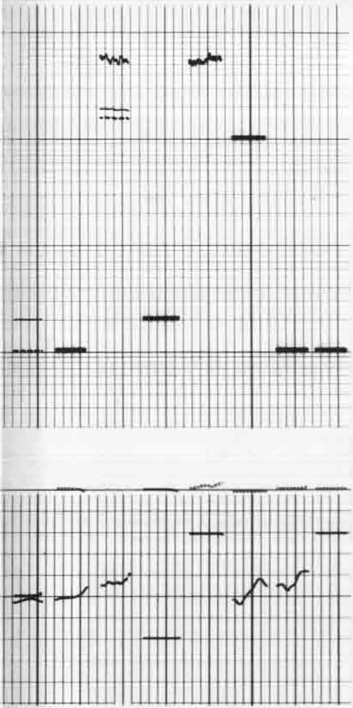
DEEP INDUCTION LOG

0.2 1.0 10 100 1000 2000

MEDIUM INDUCTION LOG

0.2 1.0 10 100 1000 2000

LATEROLOG — 8

0.2 1.0 10 100 1000 2000