Sutherlin Unit 1

Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

COUNTY DOUGLAS
FIELD WILDCAT
LOCATION 36 24S 5W
WELL SUTHERLIN UNIT NO. 1
COMPANY MOBIL OIL CORPORATIO

COMPANY MOBIL OIL CORPORATION

WELL SUTHERLIN UNIT NO. 1

FIELD WILDCAT

COUNTY DOUGLAS **STATE** OREGON

STATE DEPARTMENT OF GEOLOG
AND MINERAL INDUSTRIES
1005 STATE OFFICE BUILDIN
PORTLAND, OREGON 97201

LOCATION: 455.7' SOUTH & 2064.6' EAST FROM THE WEST ¼ CORNER OF

API SERIAL NO.	SEC.	TWP	RANGE
	36	24S	5W

Other Services:
BHC HRT
BGT HDT
FDC/CNL/GR
F-CURVE

Permanent Datum: GL ; Elev.: 488
Log Measured From KB 23 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 511
D.F. - -
G.L. 488

Date	8-1-78		9-22-78		1-9-79		3-8-79	
Run No.	ONE		TWO		THREE		FOUR	
Depth—Driller	1900		3624		9511		13,147	
Depth—Logger (Schl.)	1899		3634		9507		13,166	
Btm. Log Interval	1893		3628		9501		13,160	
Top Log Interval	643		1860		3606		9,494	
Casing—Driller	20" @ 643		16" @ 1858		13⅜" @ 3606		9⅝" @ 9511	
Casing—Logger	643		1860		3604		9,494	
Bit Size	12¼"		12¼"		12¼"		8½"	
Type Fluid in Hole	LIGNOSUL.		LIGNOSUL.		LIGNOSUL.		LIGNOSUL.	
Dens. | Visc.	19	71	20.4	58	17.2	53	13	50
pH | Fluid Loss	11	7.2 ml	10.0	9.6 ml	12	8.4 ml	12	6.6 ml
Source of Sample	CIRCULATED		CIRCULATED		CIRCULATED		FLOWLINE	
Rm @ Meas. Temp.	0.68 @ 61 °F		.816 @ 76 °F		2.11 @ 55 °F		1.13 @ 75 °F	
Rmf @ Meas. Temp.	.152 @ 70 °F		.285 @ 68 °F		0.86 @ 56 °F		0.64 @ 62 °F	
Rmc @ Meas. Temp.	.665 @ 68 °F		1.52 @ 77 °F		3.68 @ 66 °F		2.59 @ 66 °F	
Source: Rmf | Rmc	M	M	M	M	M	M	M	M M
Rm @ BHT	0.39 @ 110 F		.639 @ 99 °F		0.8 @ 139 °F		.50 @ 178 °F	
TIME Circulation Stopped	0330		4½ HOURS		0500		0700	
TIME Logger on Bottom	0600		2000		1200		1030	
Max. Rec. Temp.	110 F		99 °F		139 °F		178 °F	
Equip. | Location	7731	SAC	7731	SAC	7758	SAC	7731	SAC
Recorded By	ANDERSEN		BRASFIELD		LIERHAUS		FINNELL	
Witnessed By Mr.	PRICE		FRIEND		RYDER		RYDER	

FOLD HERE

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

Run No.	ONE	TWO	THREE	FOUR
Service Order No.	27511	48038	64709	64726
Fluid Level	FULL	FULL	FULL	FULL
Salinity ppm. cl	100	60	0 0	0 0
Speed F.P.M.	13000	- -	100	200
EQUIPMENT DATA				
Panel No.	DA-452	DD-452	DD-439	BB- 36
Cartridge No.	DA-100	DA-100	DA- 47	DA- 47
Sonde No.	EA- 83	EA- 83	EA- 35	EA- 35
Mem. Panel No.	CA-293	CA-293	BA-377	BA-377
G.R. Panel No.	A- 405	A- 405	- -	- -
G.R. Cart No.	266	JAA1410	- -	- -
Tape Recorder - (TTR)	2927	2927	1940	- -
Depth Encoder - (DRE)	C-2733	C-2733	1820	
Pressure Wheel - (CPM)	H-1889	H-1889	2927	- -
Type Centralizers	FIN	FIN	FIN	FIN
Stand Off - Inches	2	4	4	1.5
CALIBRATION DATA				
SBR	1	1	1	
Sonde Error - ILM	7.5	- -	9.4	
Sonde Error - ILD	5.6	10.2	7.0	
G.R. BKG. - CPS.	- -	- -	- -	
G.R. Source - CPS.	- -	- -	- -	
S.E. Set In Hole - Depth	- -	- -	- -	
S.E. Corr. - Hole Size	- -	- -	- -	
LOGGING DATA				
SBR	1	1	1	1
Sonde Error Log - ILM	7.5	- -	9.4	SURFACE
Sonde Error Log - ILD	5.6	10.2	7.0	SURFACE
G.R. Scale per 100 Div.	- -	- -		
G.R. - T.C. Log	- -	- -		
	110 °F	99 °F	°F	178 °F
	- - °F	98 °F	°F	178 °F
	- - °F	- - °F	°F	°F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS

SP RECORDED 1.5' SHALLOW.

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 4 of our General Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS POTENTIAL

10

— |←→| + MILLIVOLTS

DEPTH

RESISTIVITY OHMS. M²/M

DEEP INDUCTION

R_{ILD}

0 100

0 1000

SPHERICALLY FOCUSED LOG

R_{SFL}

0 100

0 1000

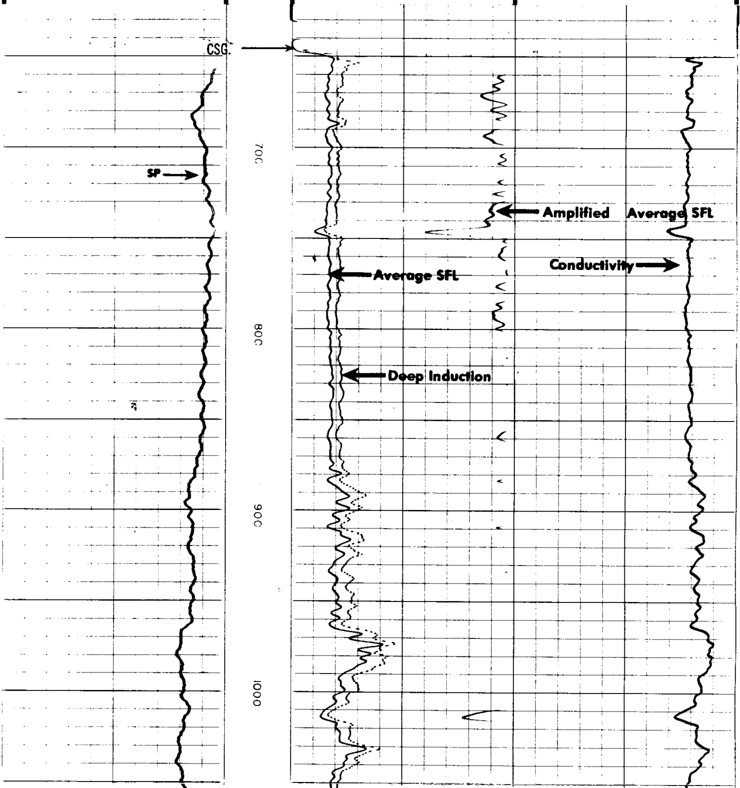
AMP. SPHERICALLY FOCUSED LOG

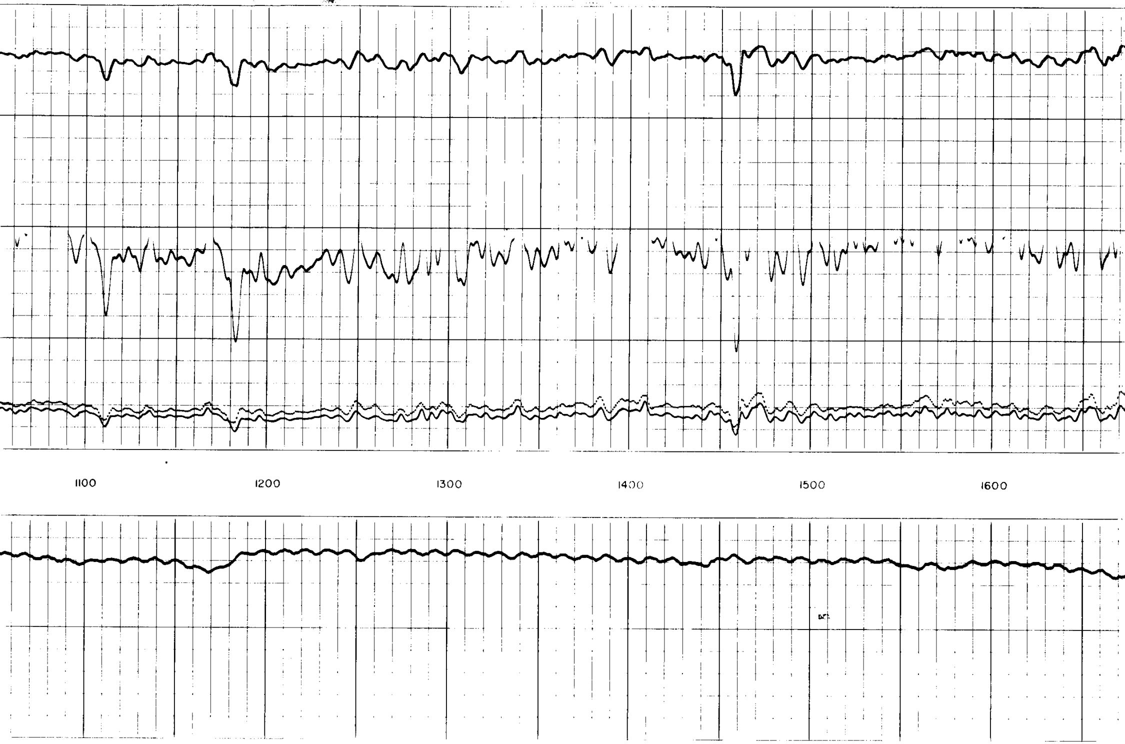
0 20

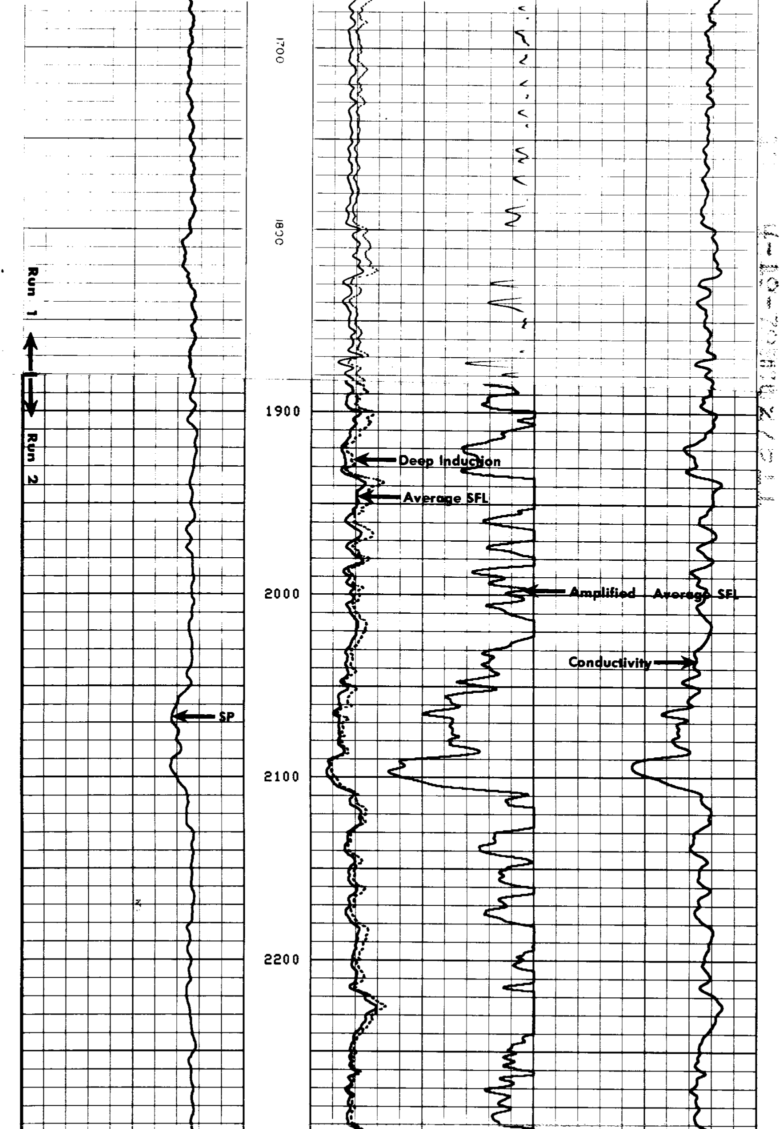
CONDUCTIVITY MILLIMHOS/M

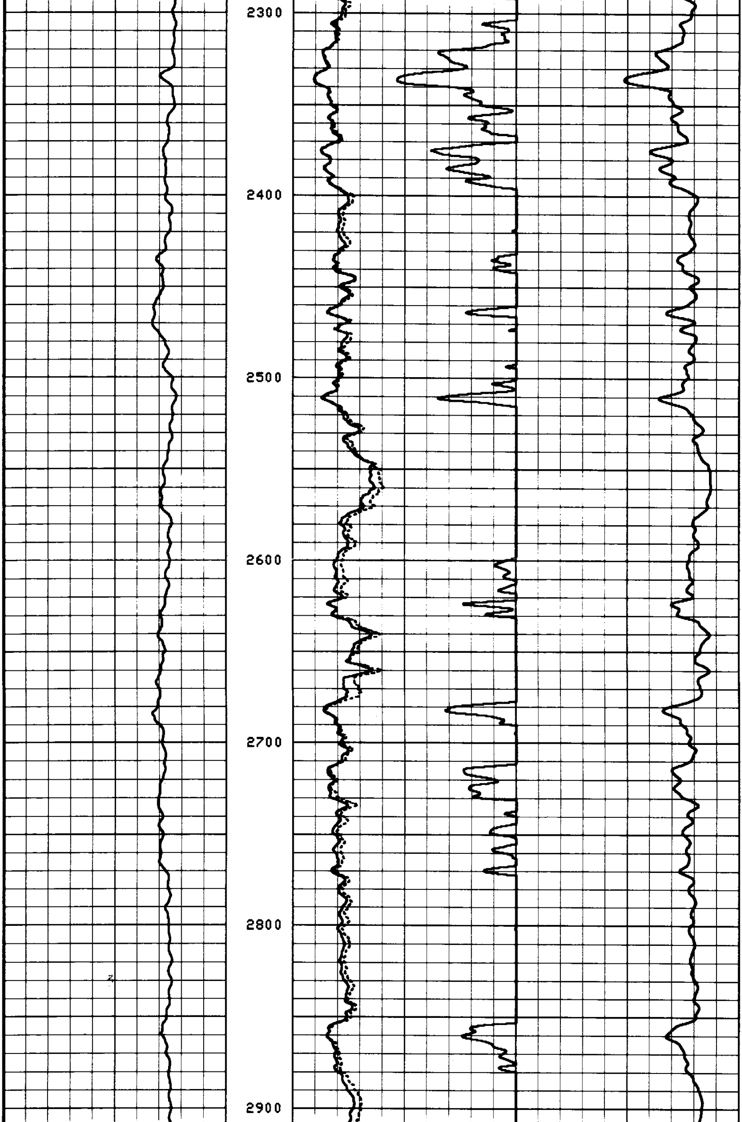
DEEP INDUCTION

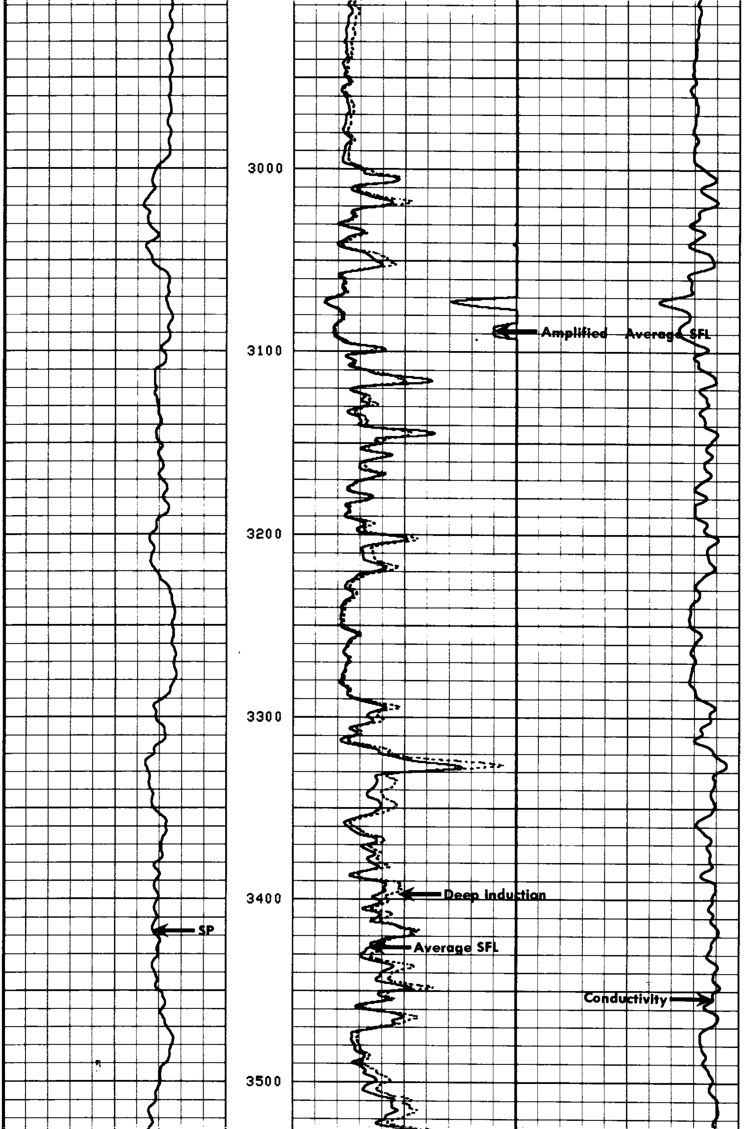
500 0

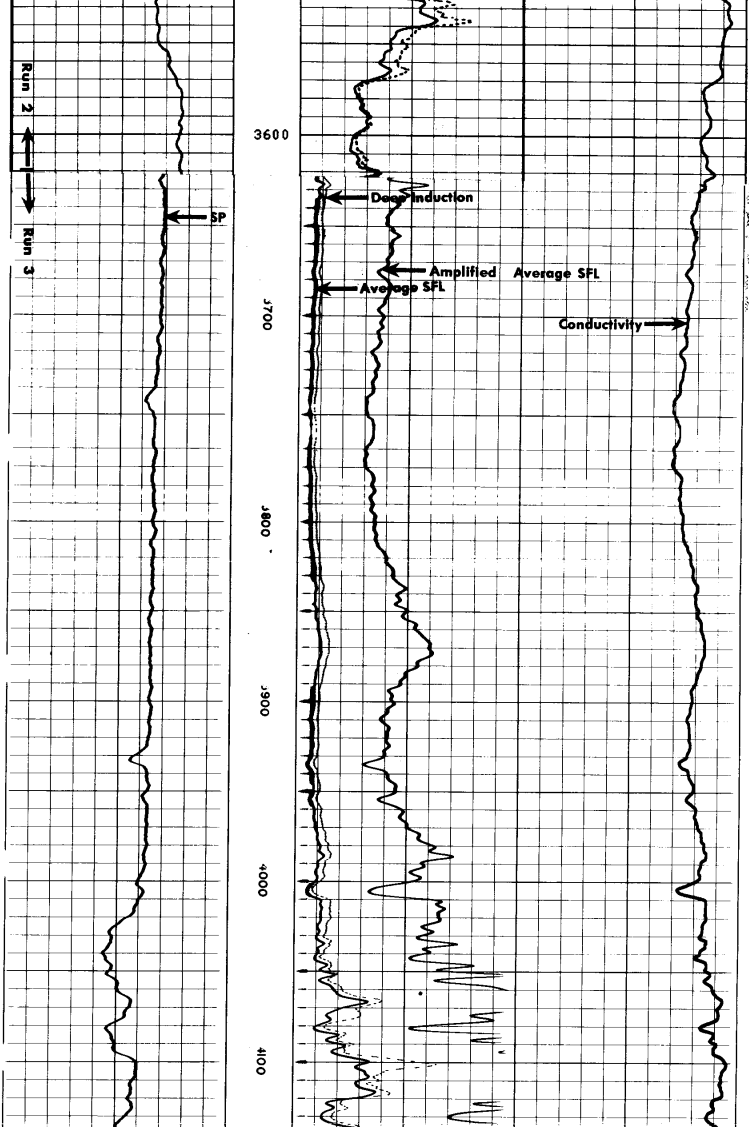


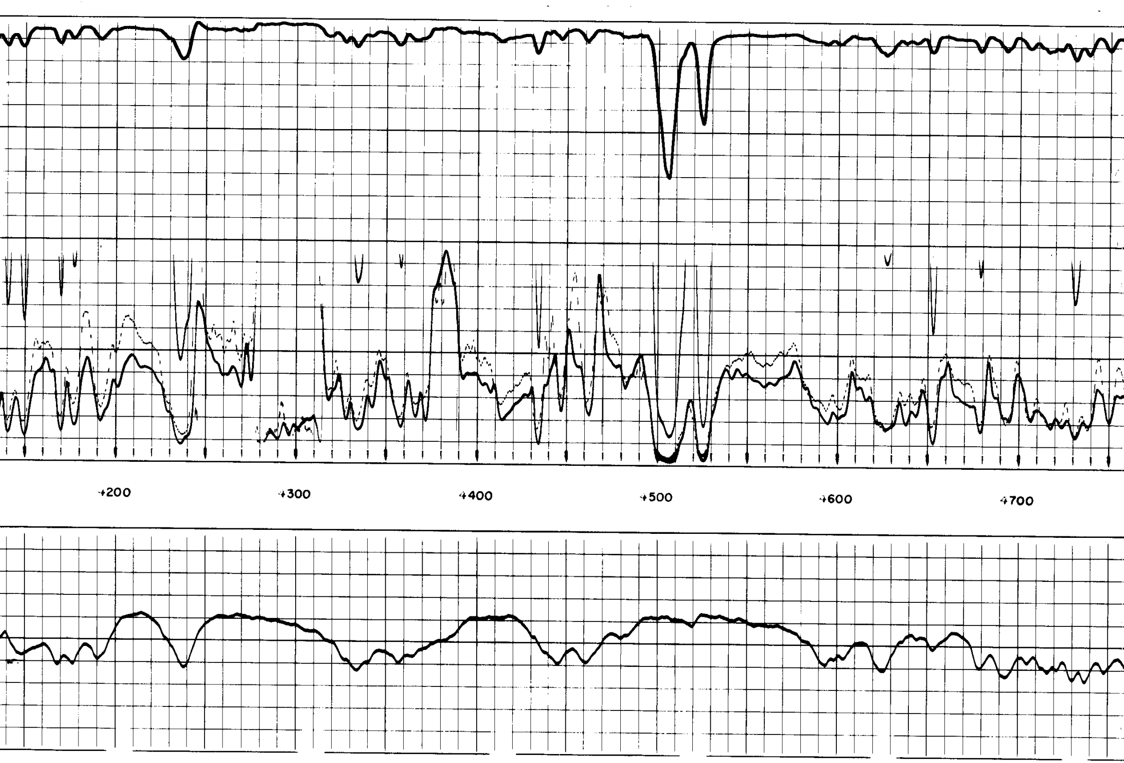


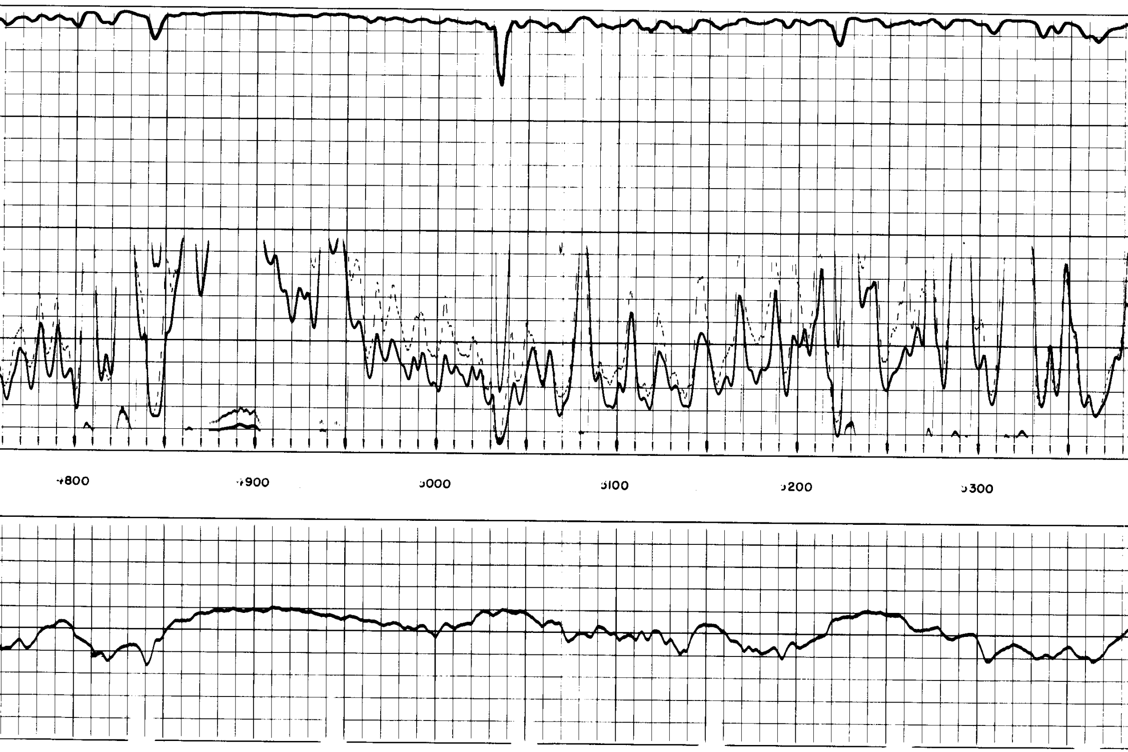


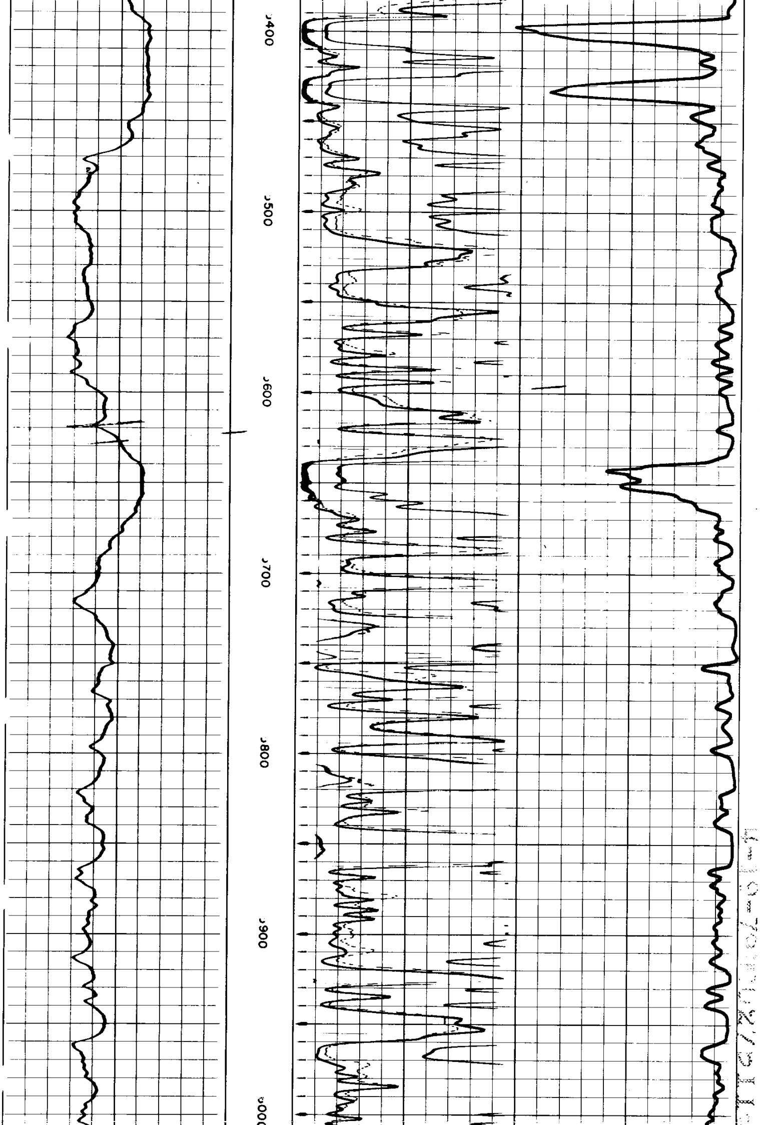


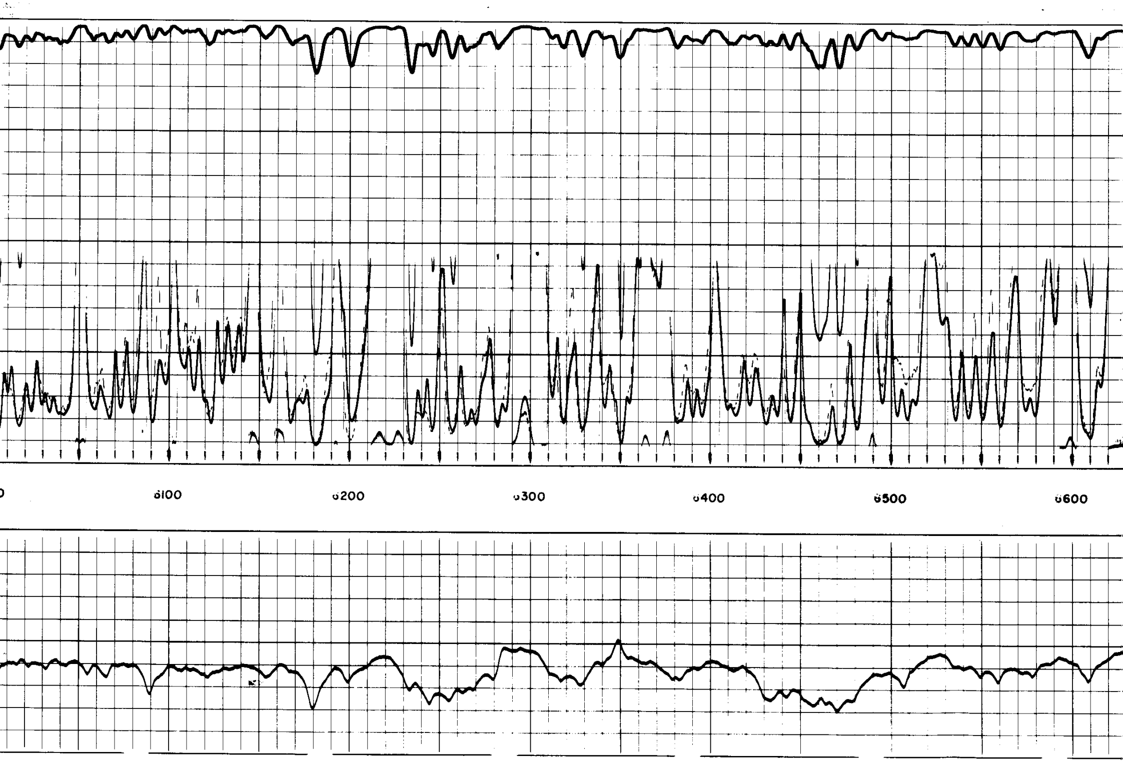


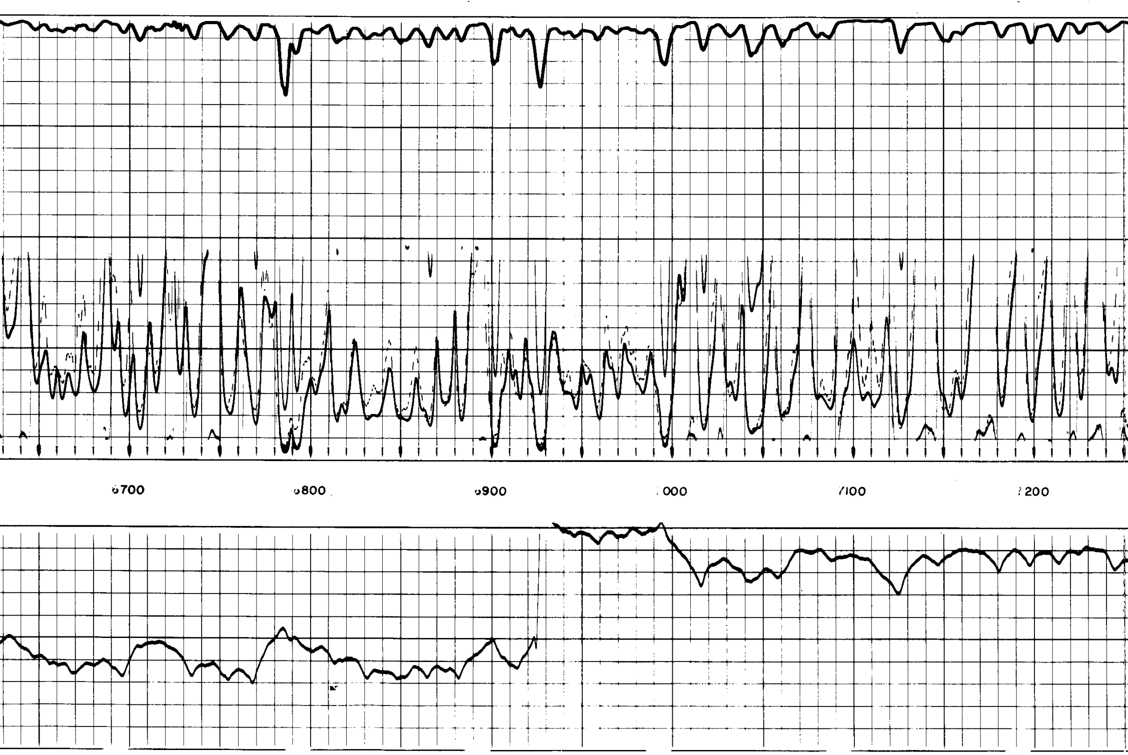


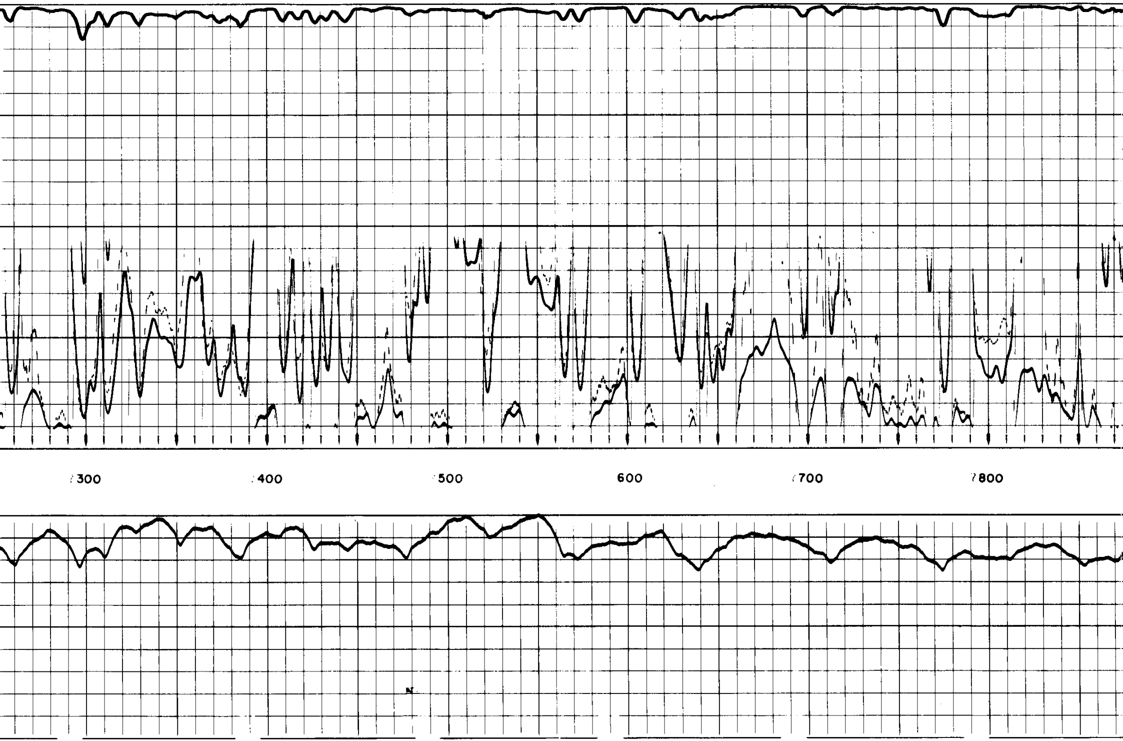


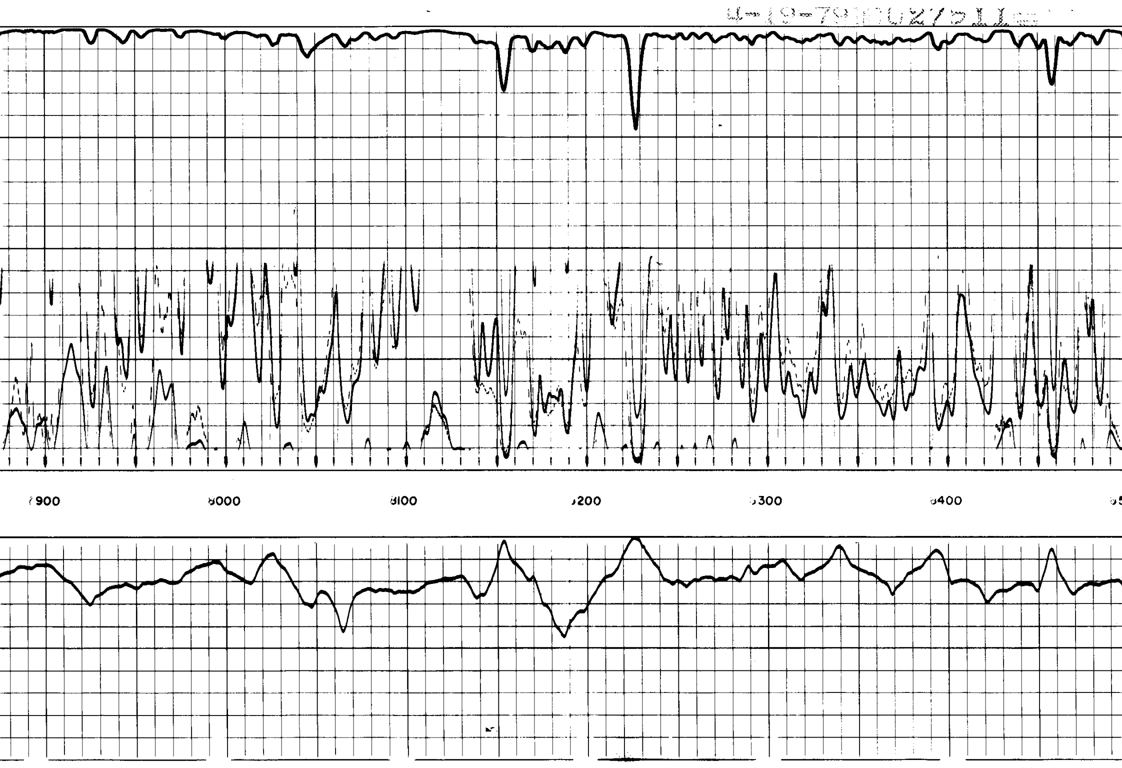


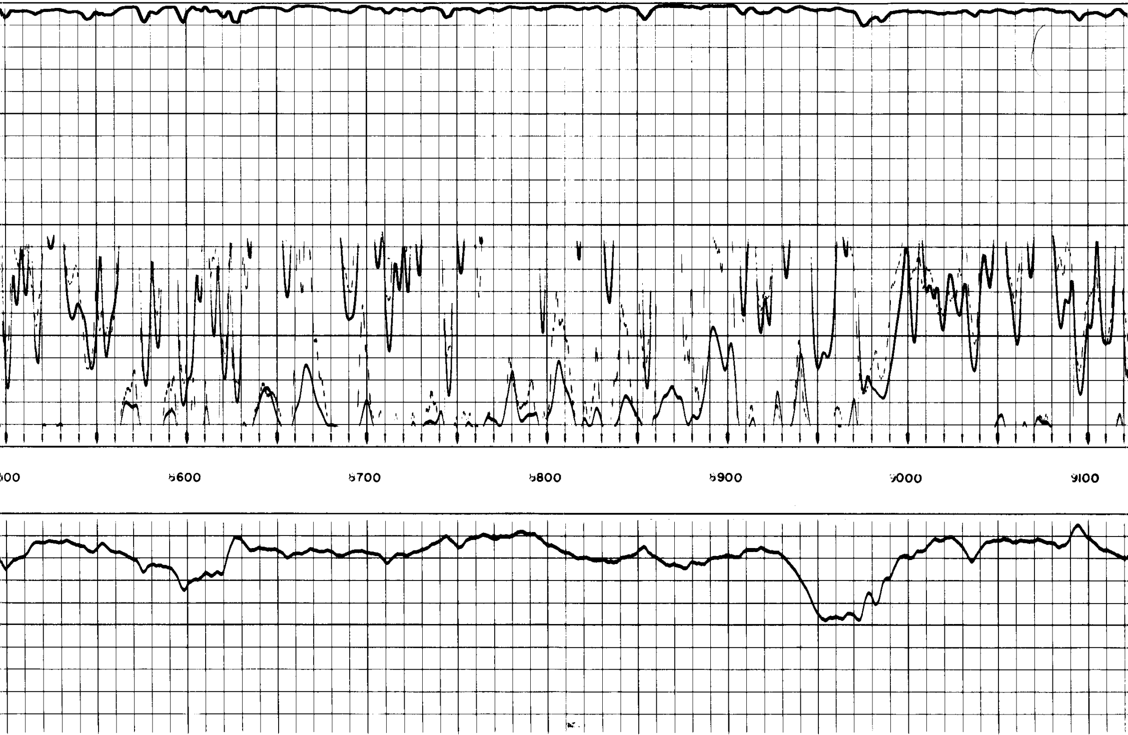


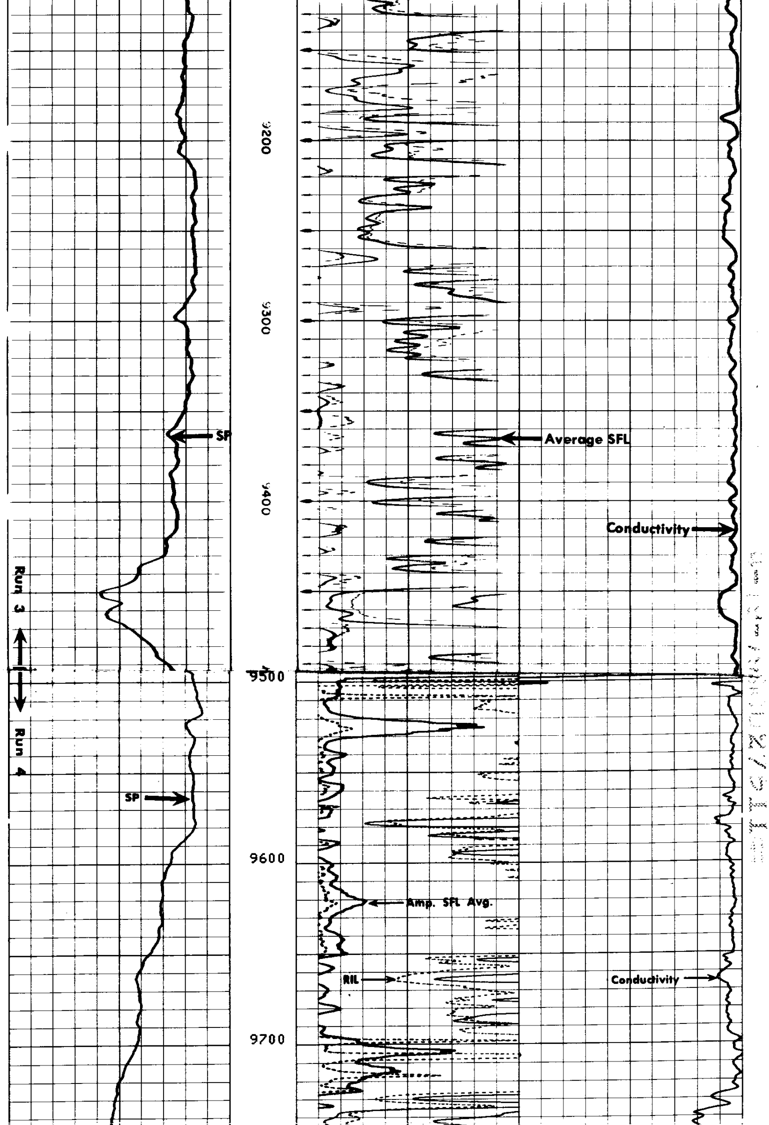


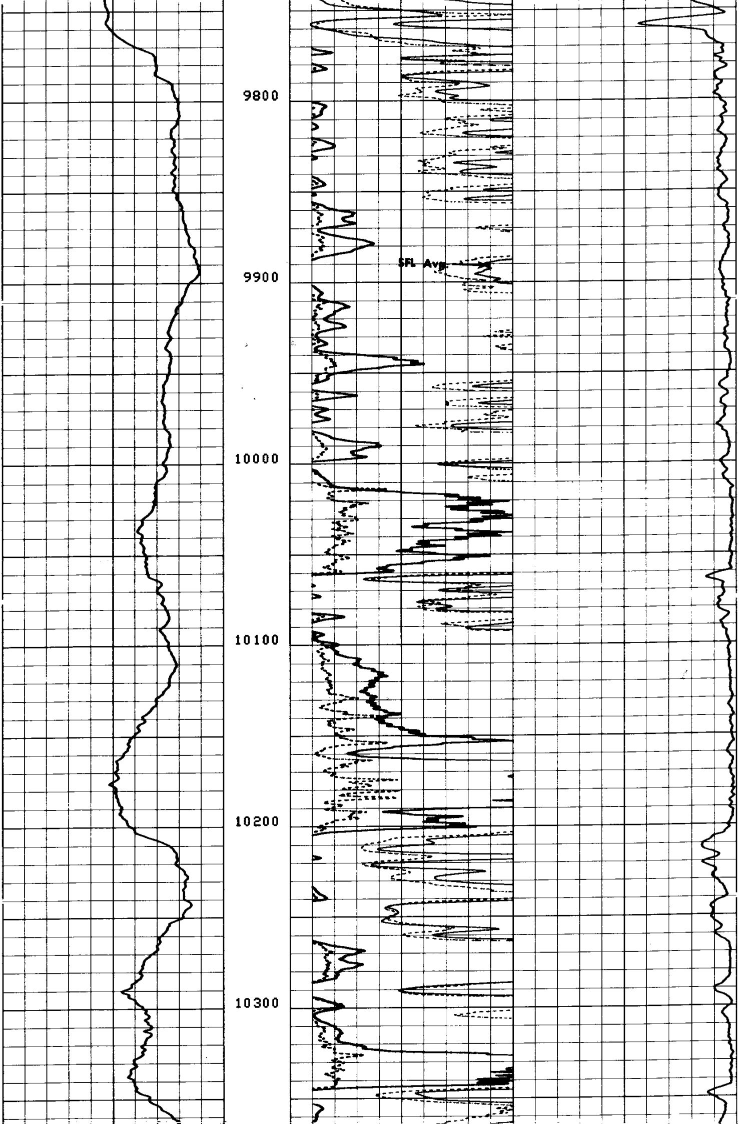


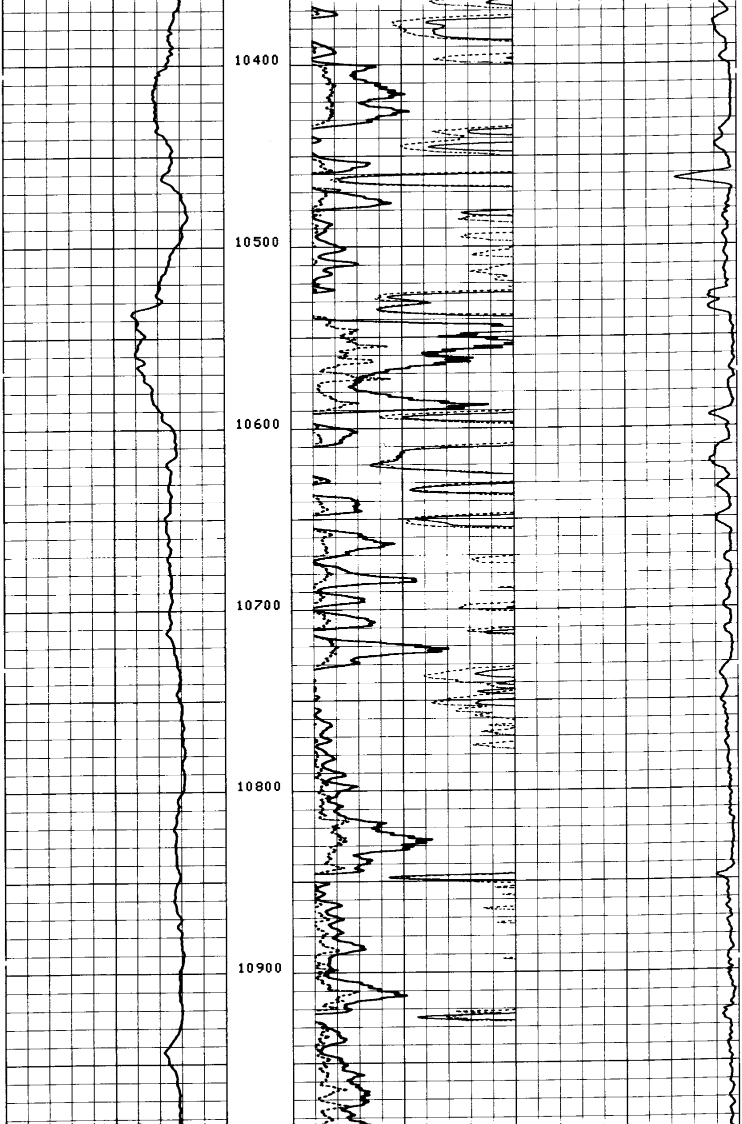


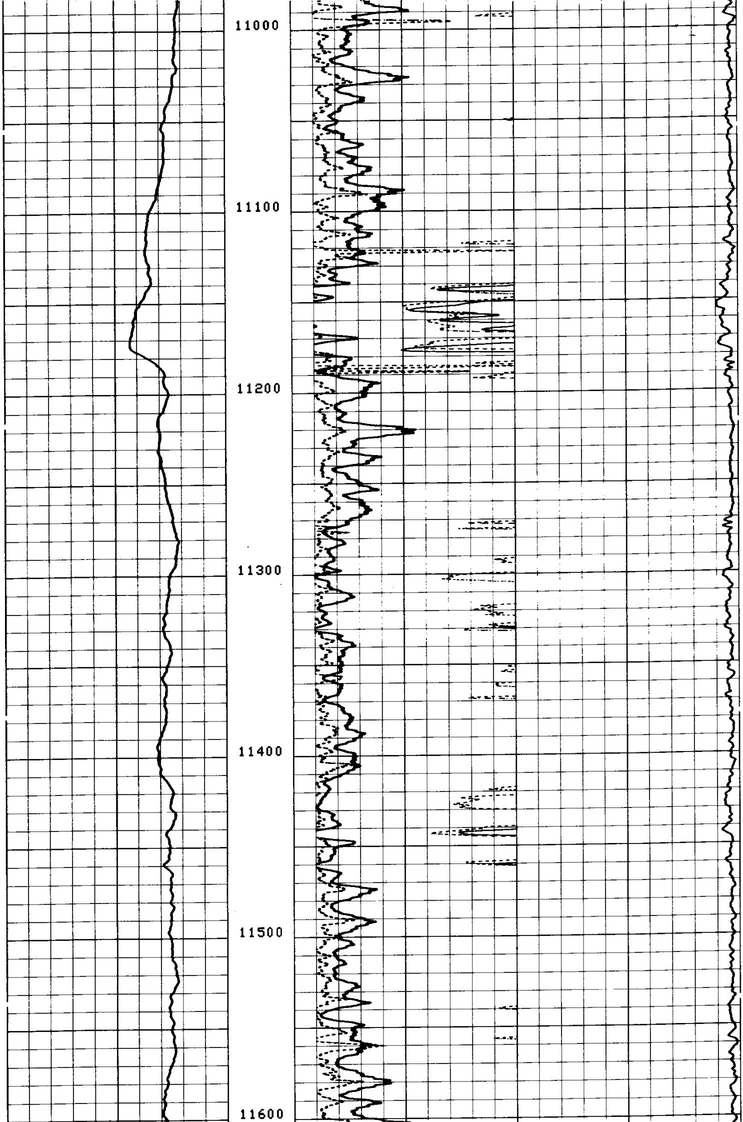












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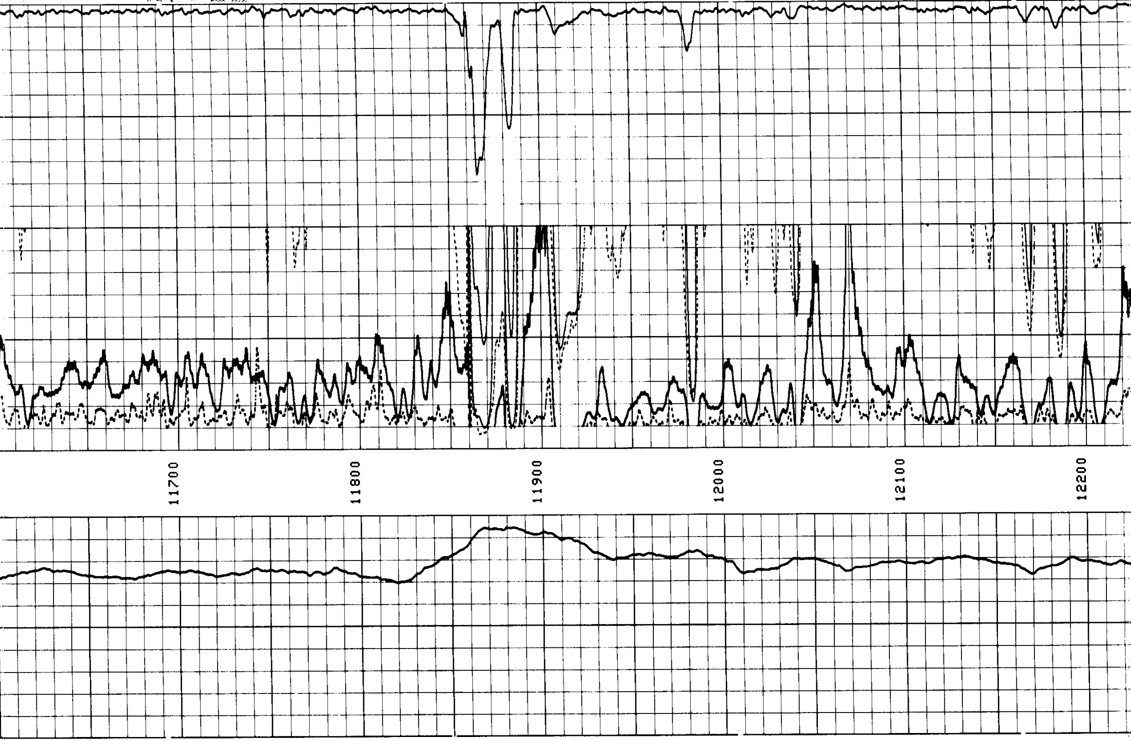

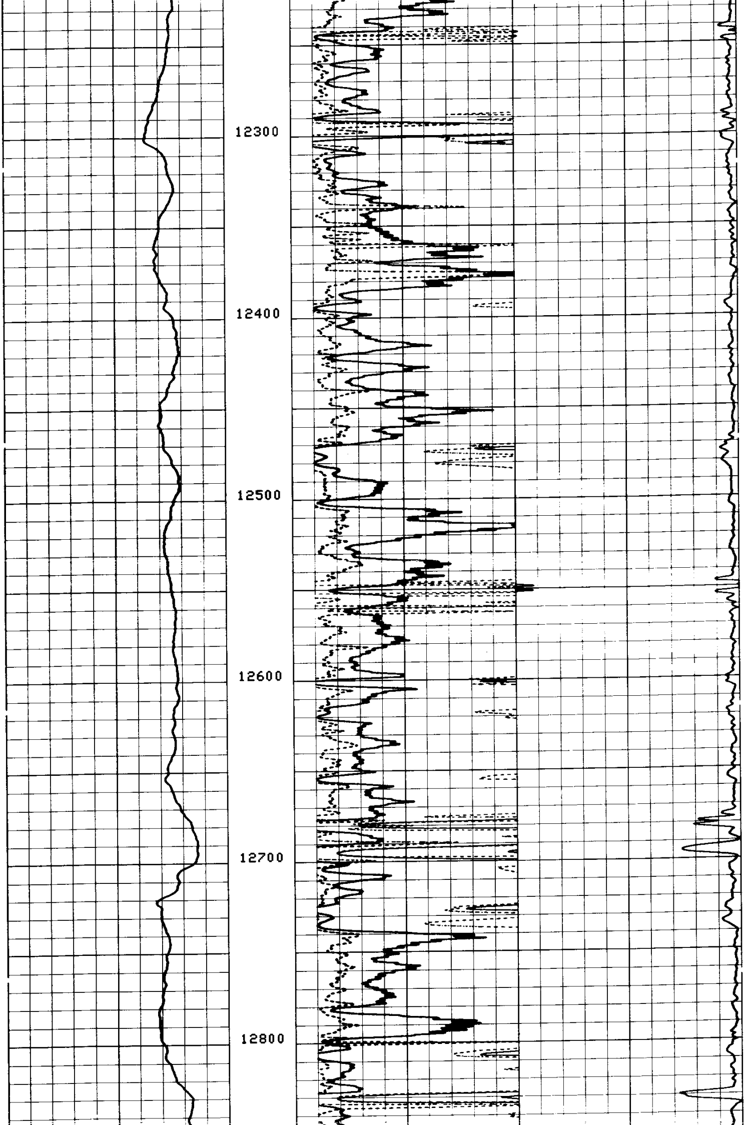

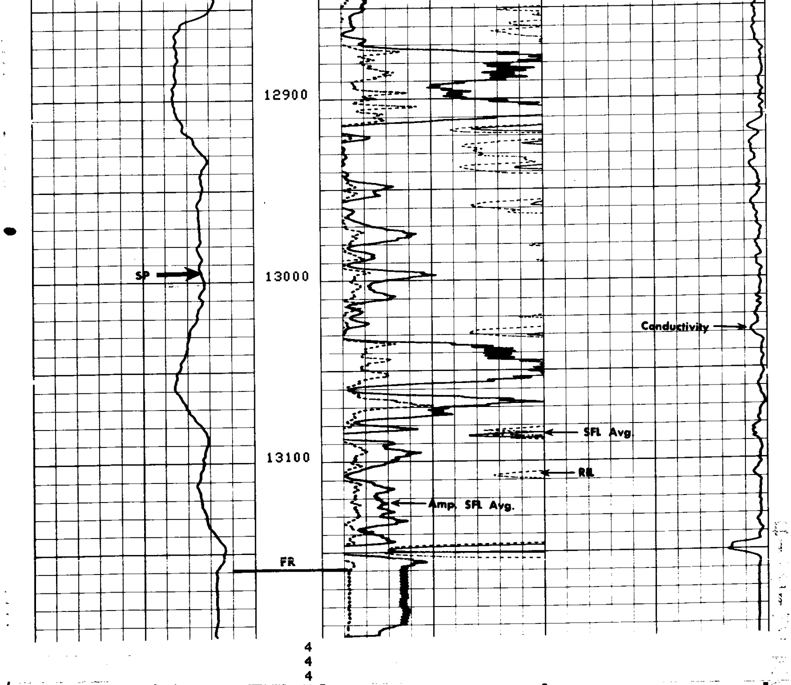

SPONTANEOUS-POTENTIAL

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— |↔| + MILLIVOLTS

DEPTH

RESISTIVITY OHMS. M²/M

DEEP INDUCTION

R_{ILD}

0 100

0 1000

SPHERICALLY FOCUSED LOG

R_{SFL}

0 100

0 1000

AMP. SPHERICALLY FOCUSED LOG

0 20

CONDUCTIVITY MILLIMHOS/M

DEEP INDUCTION

500 0

COMPANY	MOBIL OIL CORPORATION	SCHL. FR	13,160
		SCHL. TD	13,166
WELL	SUTHERLIN UNIT NO. 1	DRLR. TD	13,147
FIELD	WILDCAT	Elev: KB	511
		DF	- -
COUNTY	DOUGLAS STATE OREGON	GL	488

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