Scanned

Schlumberger

FOUR — ARM HIGH RESOLUTION CONTINUOUS DIPMETER

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY TEXACO INC.

WELL TEXACO FEDERAL #1

FIELD WILDCAT

COUNTY CROOK STATE OREGON

LOCATION 1605' N & 1036' E. fr. SW. COR W.B&M

Sec. 31 Twp. 17S Rge. 23E

Other Services: IES, BHC, SNP, FDC-GR, CST

Permanent Datum: G.L., Elev. 4006
Log Measured From KB, 20.4 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 4026.4
D.F. —
G.L. 4006

Date	10-12-71			
Run No.	ONE			
Depth—Driller	3995			
Depth—Logger	3991			
Btm. Log Interval	3984			
Top Log Interval	1022			
Casing—Driller	16 @ 1022	@	@	@
Casing—Logger	1022			
Bit Size	12 1/4			
Type Fluid in Hole	Fresh			
Dens. | Visc.	77 | 41			
pH | Fluid Loss	7 | 10.8 ml	ml	ml	ml
Source of Sample	CIRC			
R_m @ Meas. Temp.	3.51 @ 87 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	5.08 @ 62 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	7.13 @ 62 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M			
R_m @ BHT	2.2 @ 140 °F	@ °F	@ °F	@ °F
Time Since Circ.	18			
Max. Rec. Temp.	140 °F	°F	°F	°F
Equip. | Location	5106 | COAL			
Recorded By	[redacted] D Andersen			
Witnessed By	HUGHES			

SWS—1500-D

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	
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

Run No.	1	2	3	4
Tool Type	HDT-C			
HDM No.				
HDE No.				
HDS No.	D-767			
DPI No.	F 36			
Magnetic Declination				

CHECK IF USED: UG ☐ CG ☐ SAH ☐ 5" FILM ☐ 10" FILM ☐ 60" RECORD ☐ ANALOG ☐ DIGITAL ☐

REMARKS

ROLL NO.	INTERVAL
1	CSG to 2600
2	2400 to 3990

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

DEFINITIONS

(DHD) HIGH SIDE OF TOOL = Direction from center of tool to upper side of tool.
(N) NORTH = Direction from center of tool to Magnetic North.
(REF) REFERENCE ELECTRODE = Direction from center of tool to #1 electrode.
(AZI) AZIMUTH OF REFERENCE ELECTRODE = Clockwise angle from N to REF.
(RBR) RELATIVE BEARING = Clockwise angle from DHD to REF.
(AHD) AZIMUTH OF HOLE DEVIATION (TOOL AXIS) = Clockwise angle from N to DHD.

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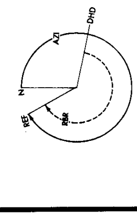
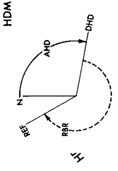


HDM ☐

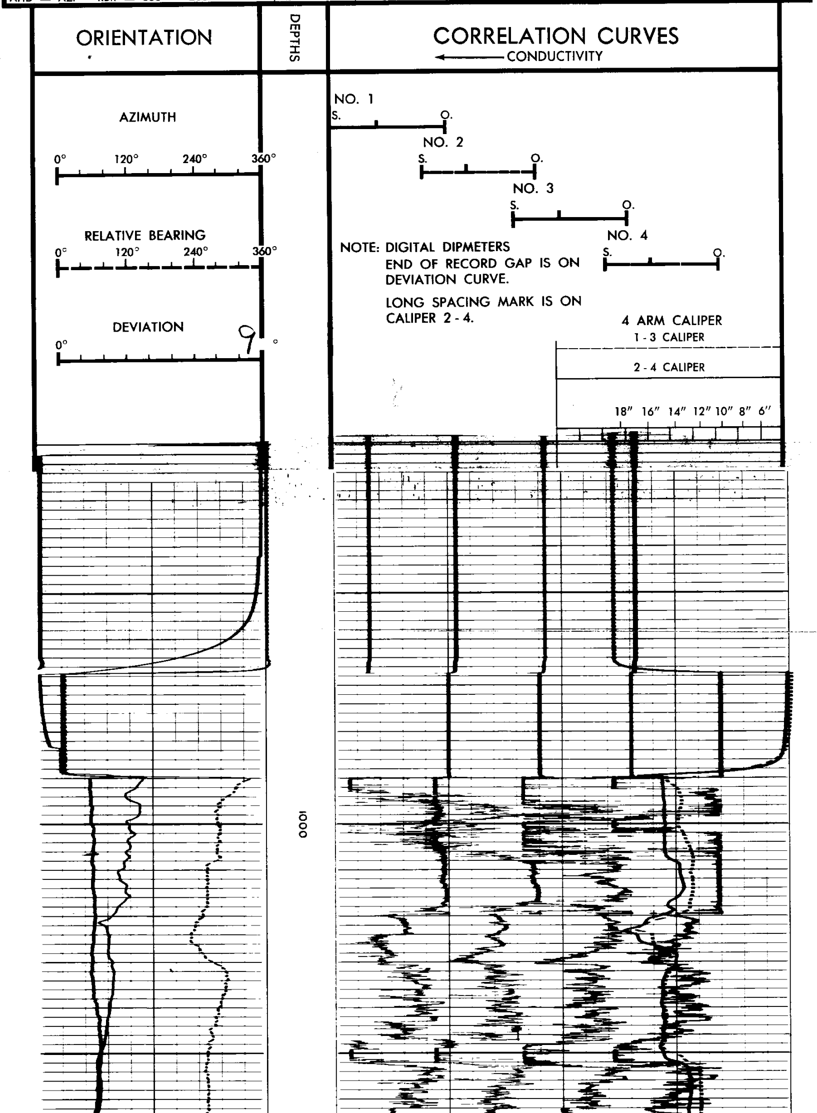


EXAMPLE

HDM – Low Angle Unit (0-36°)
AZI (solid curve) = 330°
RBR (dotted curve) = 230°
AHD = AZI – RBR = 330° – 230° = 100°

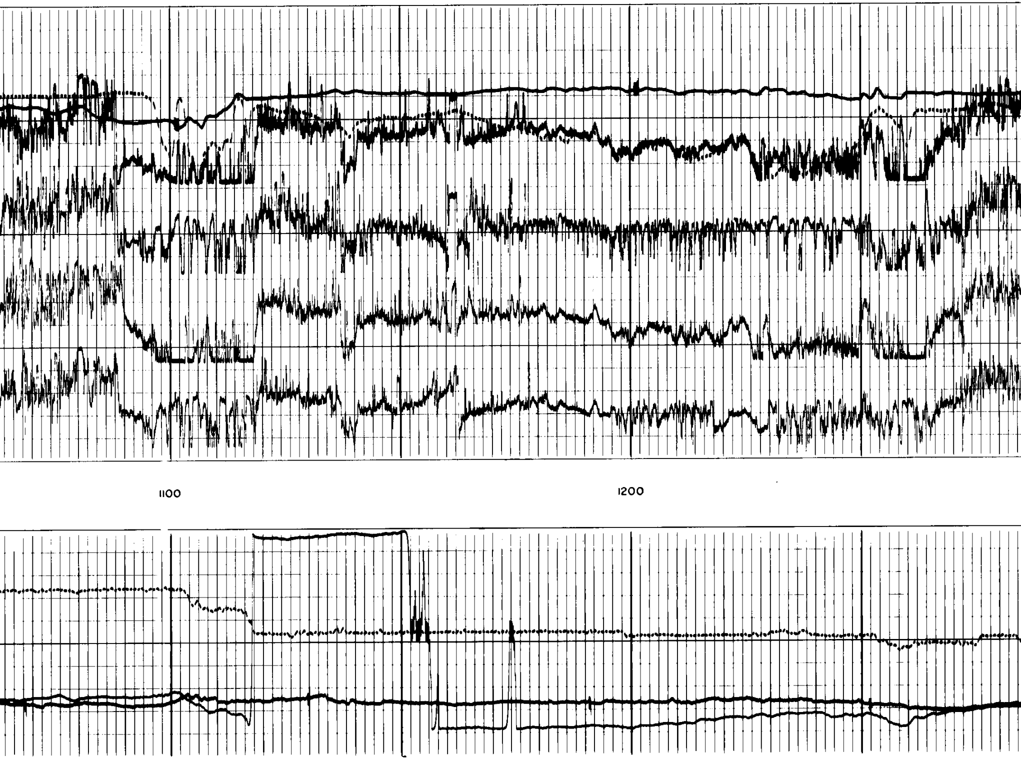
EXAMPLE

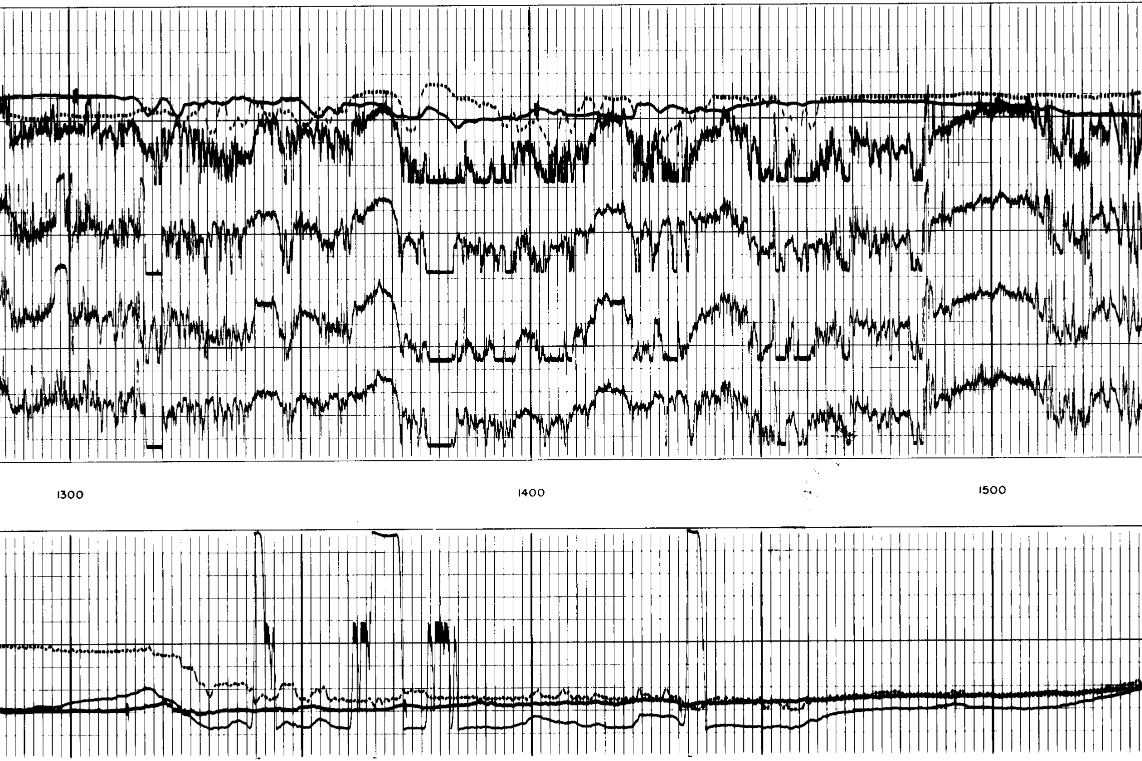
HDM – High Angle Unit (0-72°)
AHD (solid curve) = 100°
RBR (dotted curve) = 230°
AZI = AHD + RBR = 100° + 230° = 330°

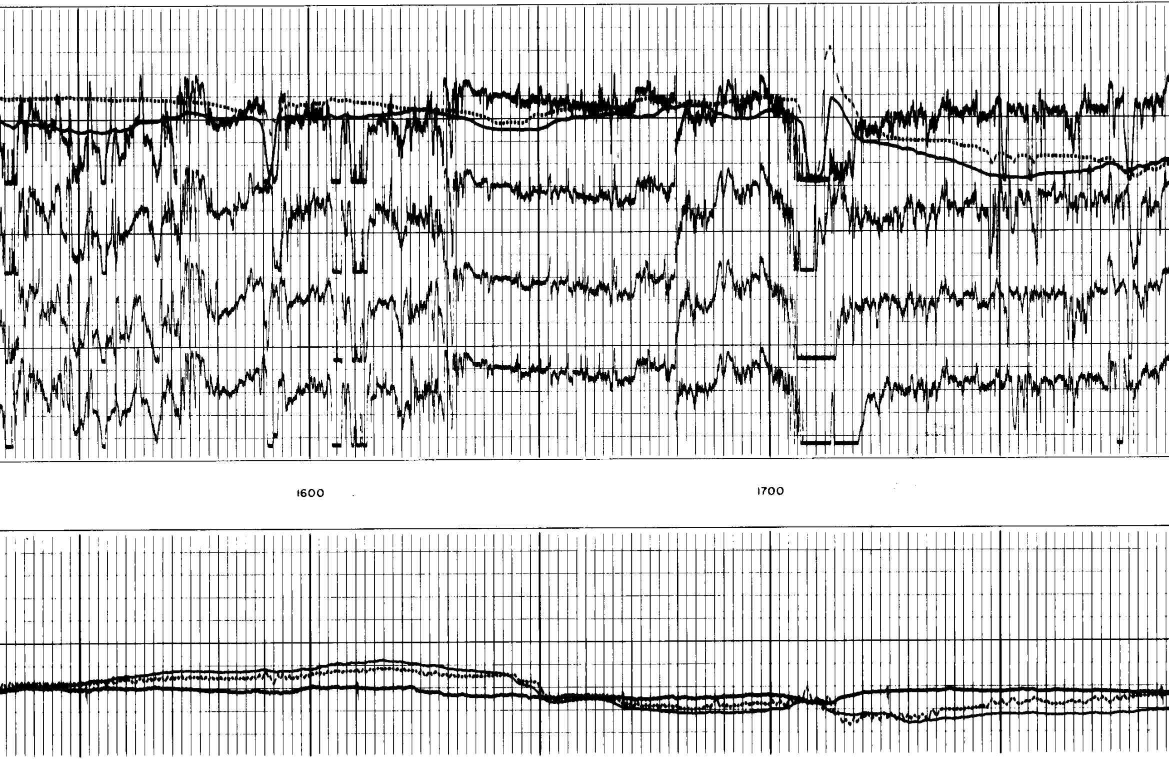


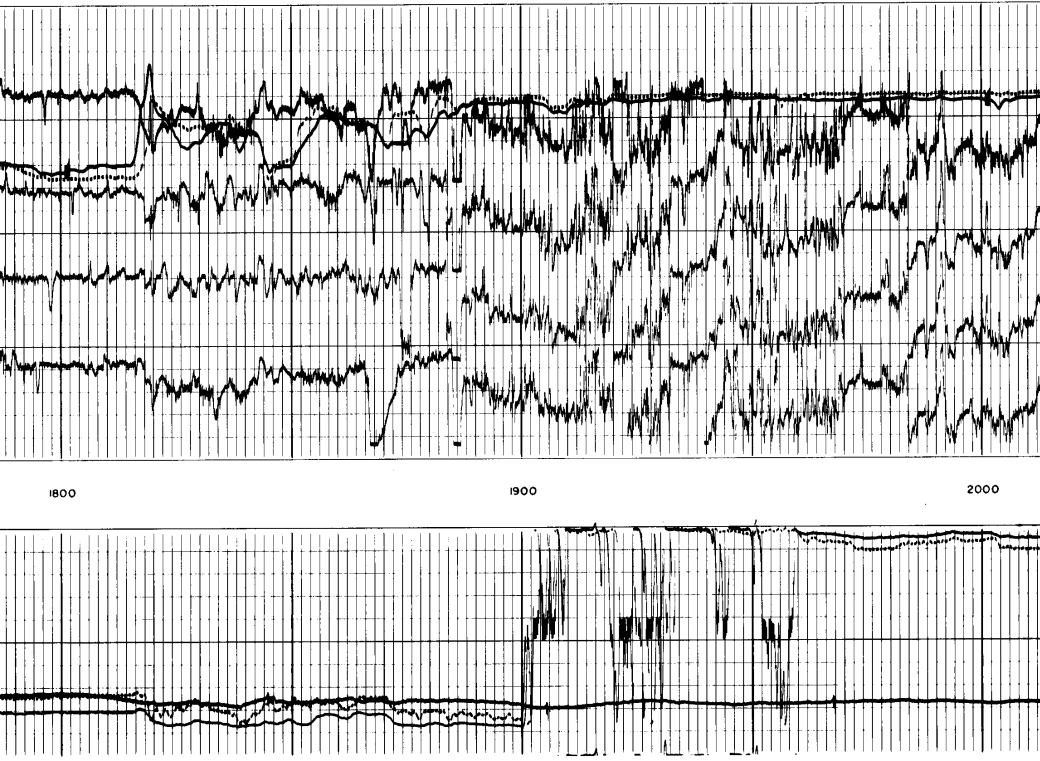
NOTE: DIGITAL DIPMETERS
END OF RECORD GAP IS ON DEVIATION CURVE.

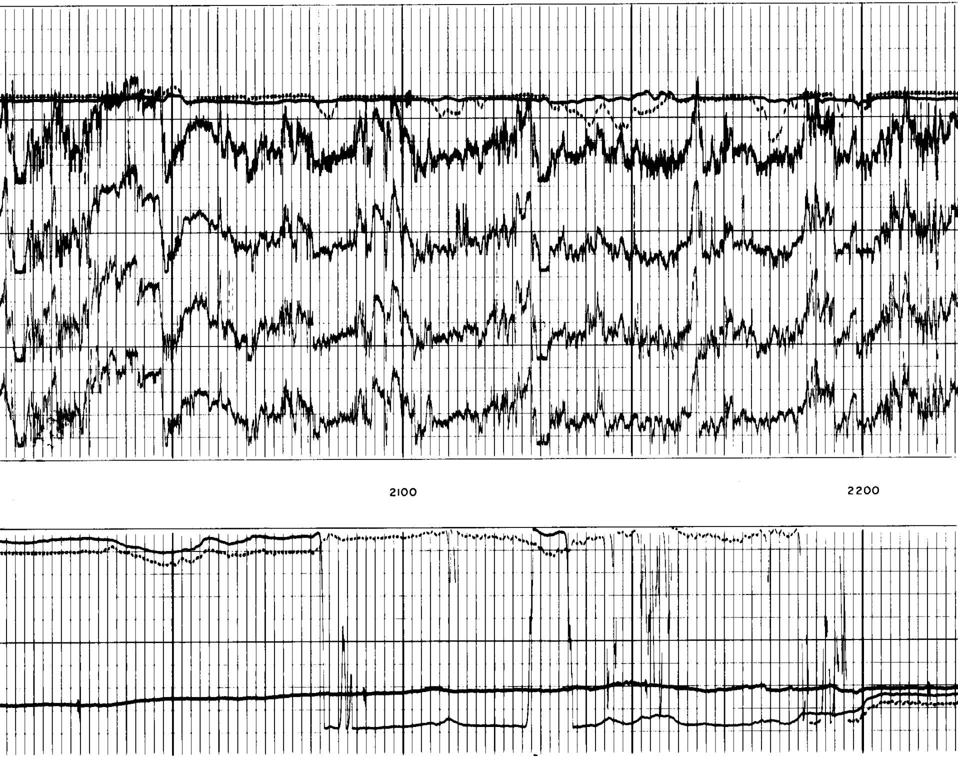
LONG SPACING MARK IS ON CALIPER 2 - 4.

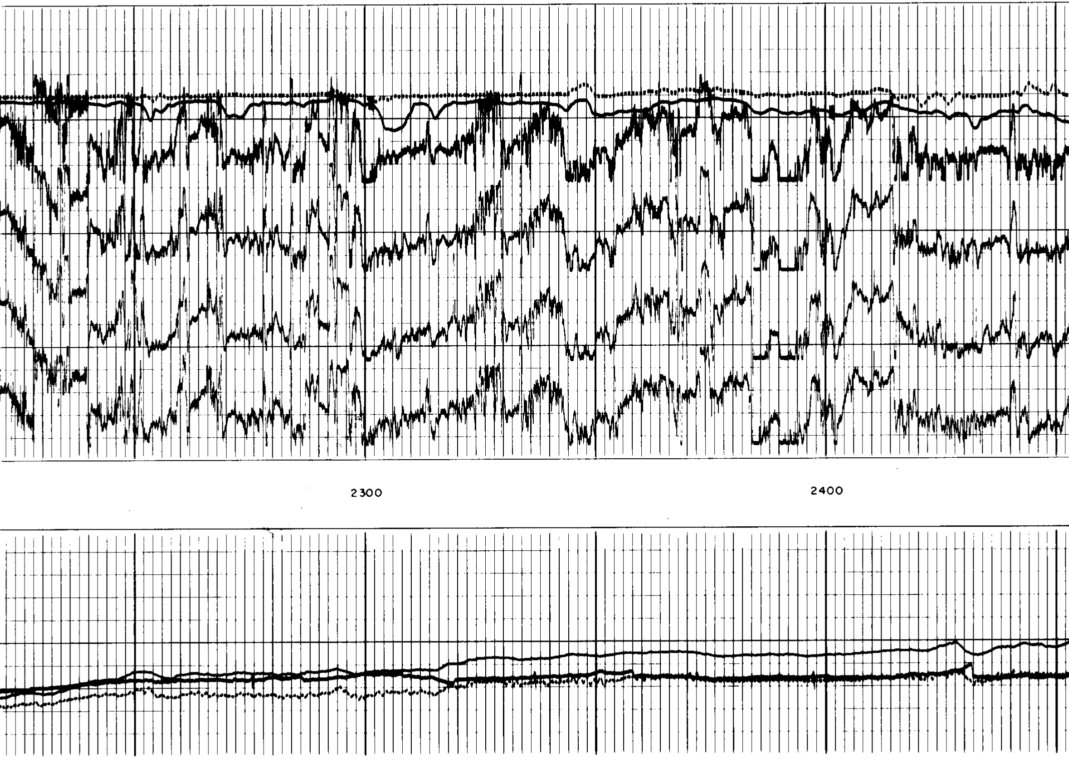


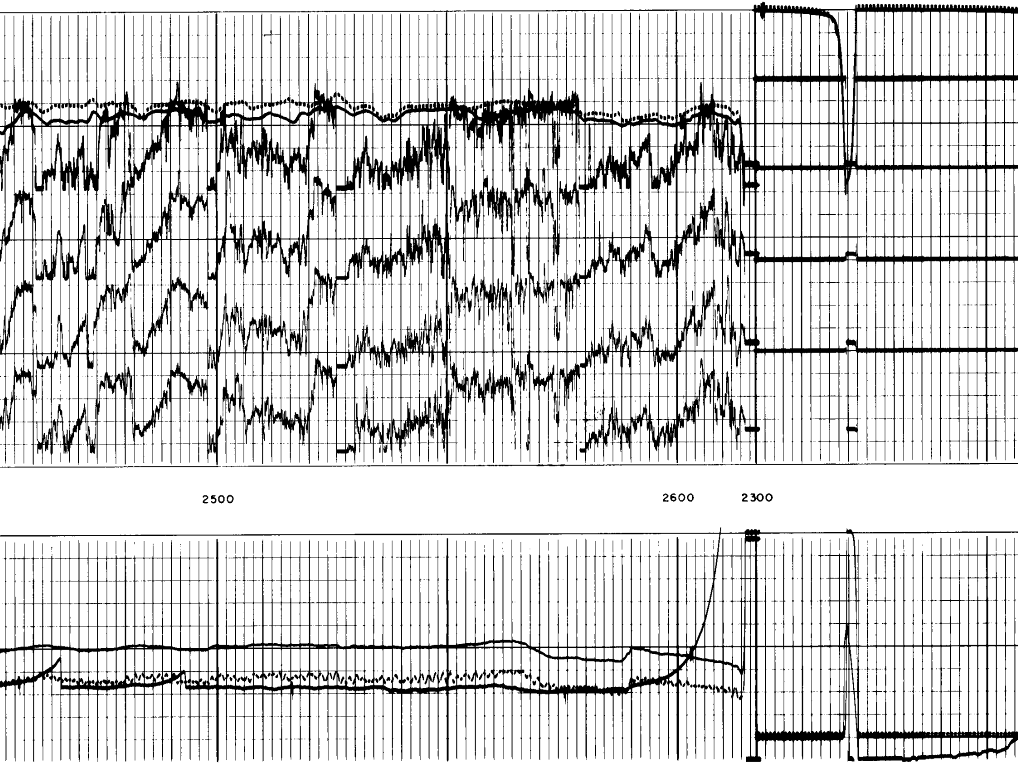


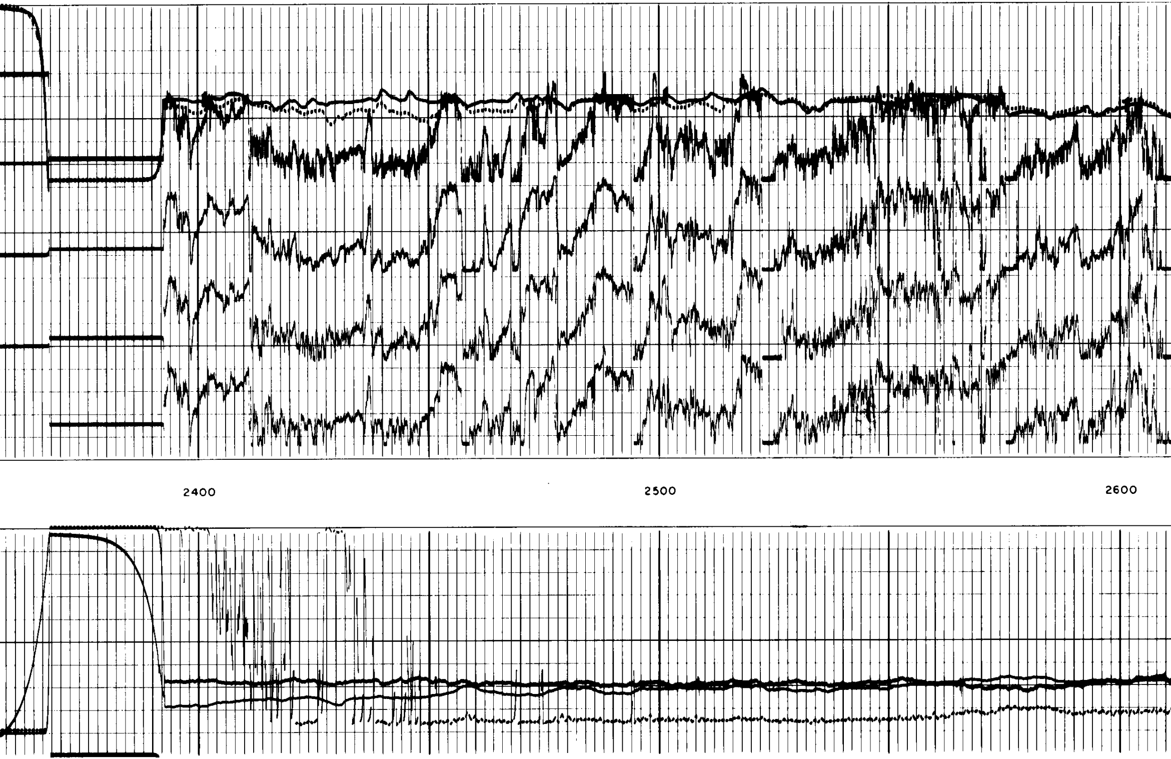


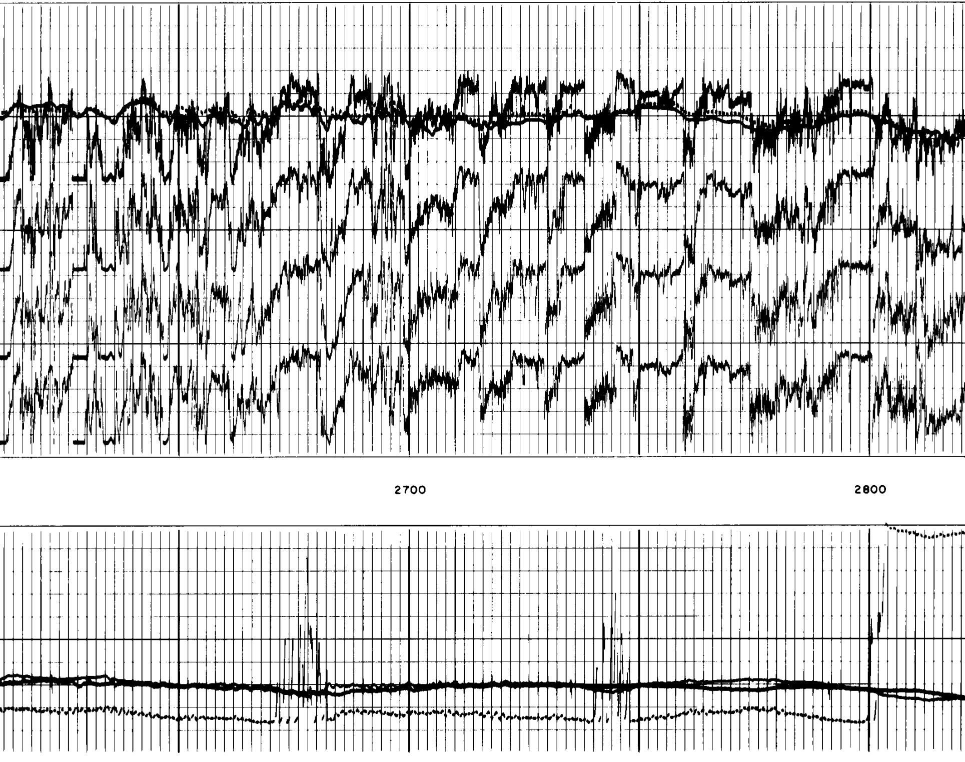


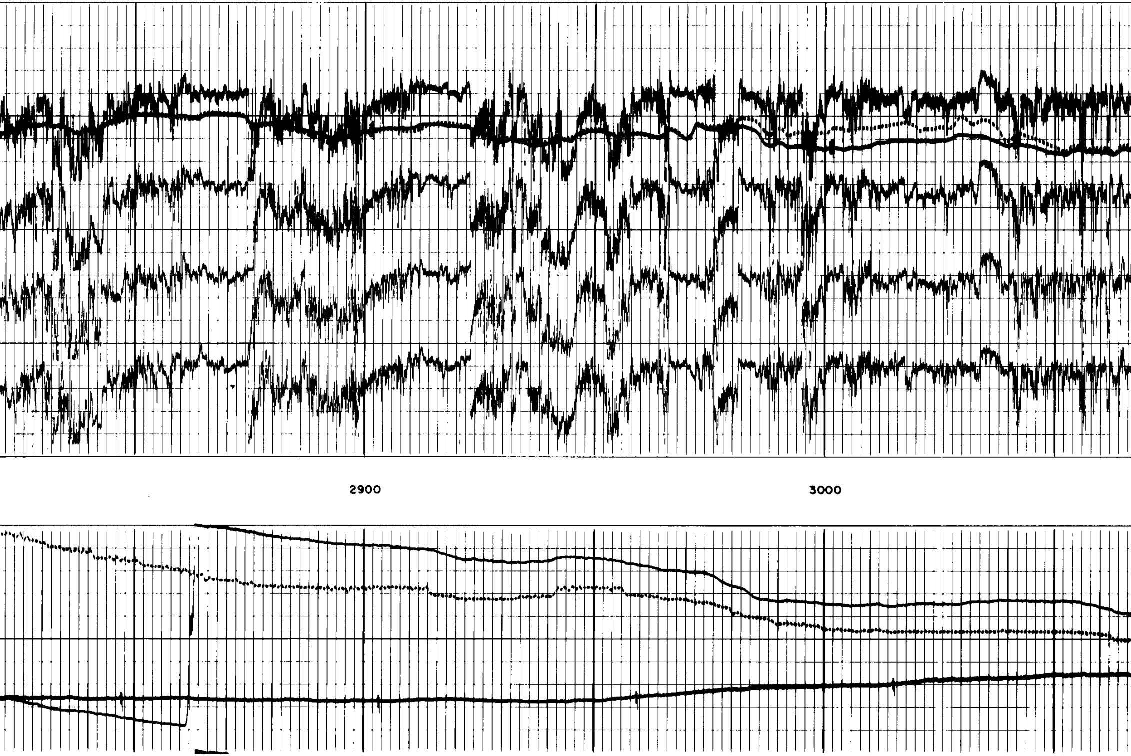


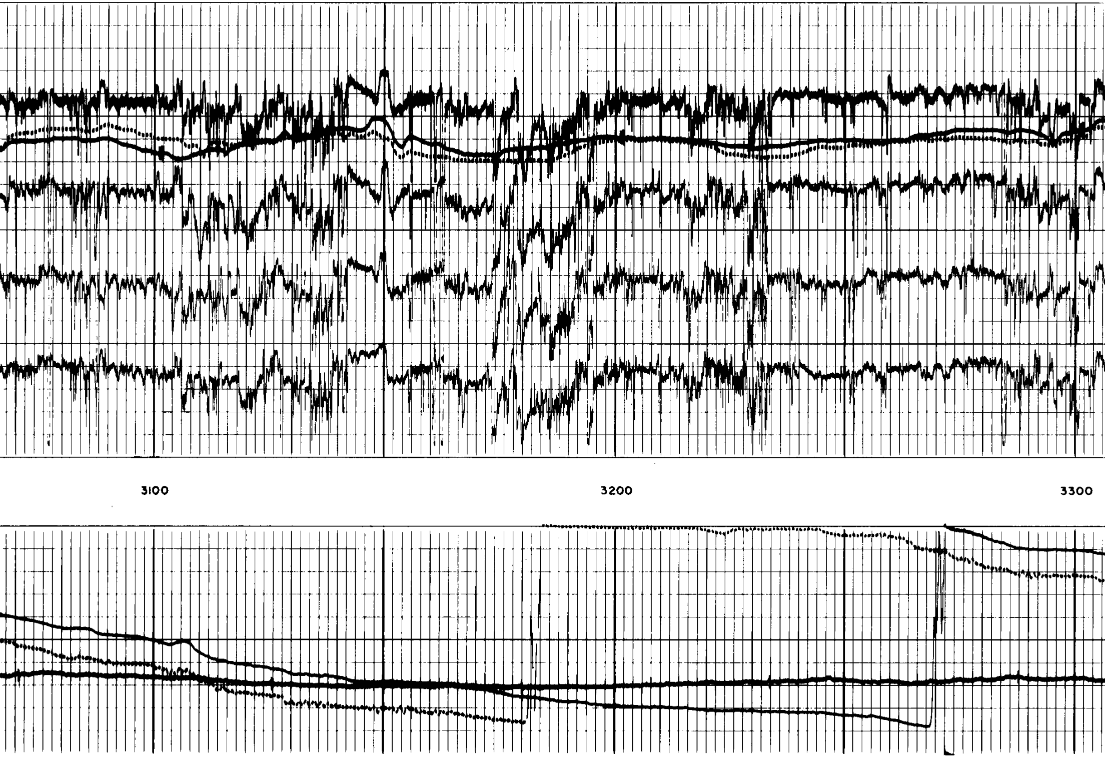


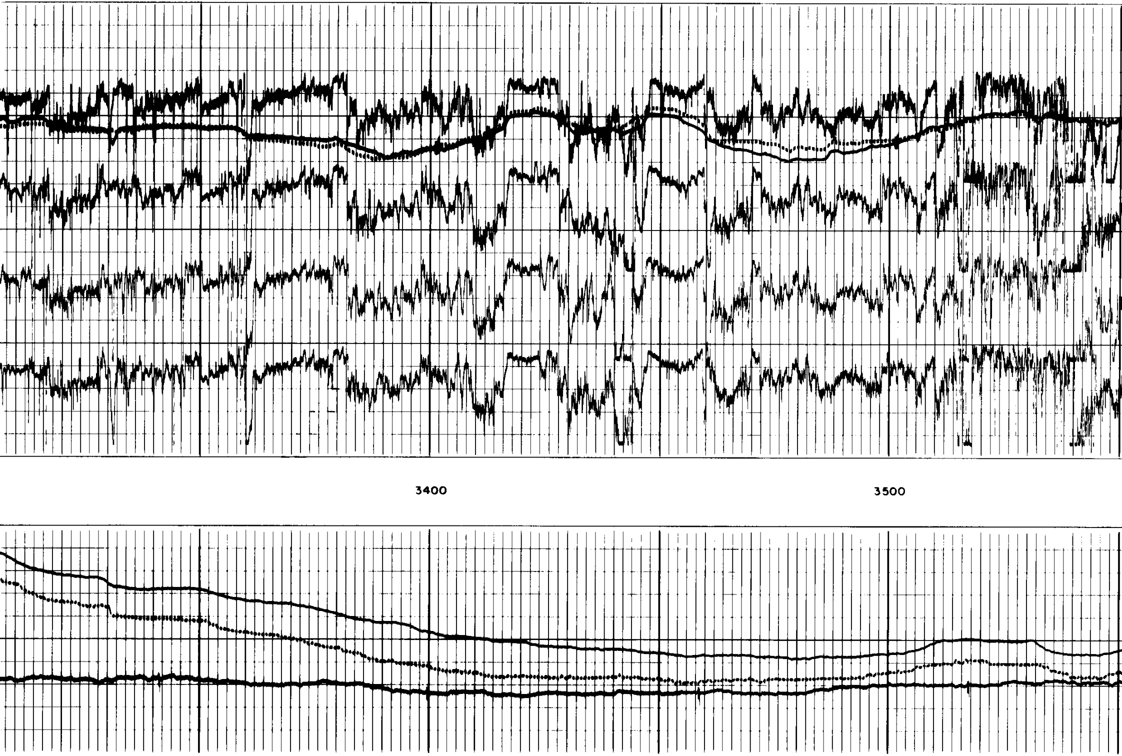


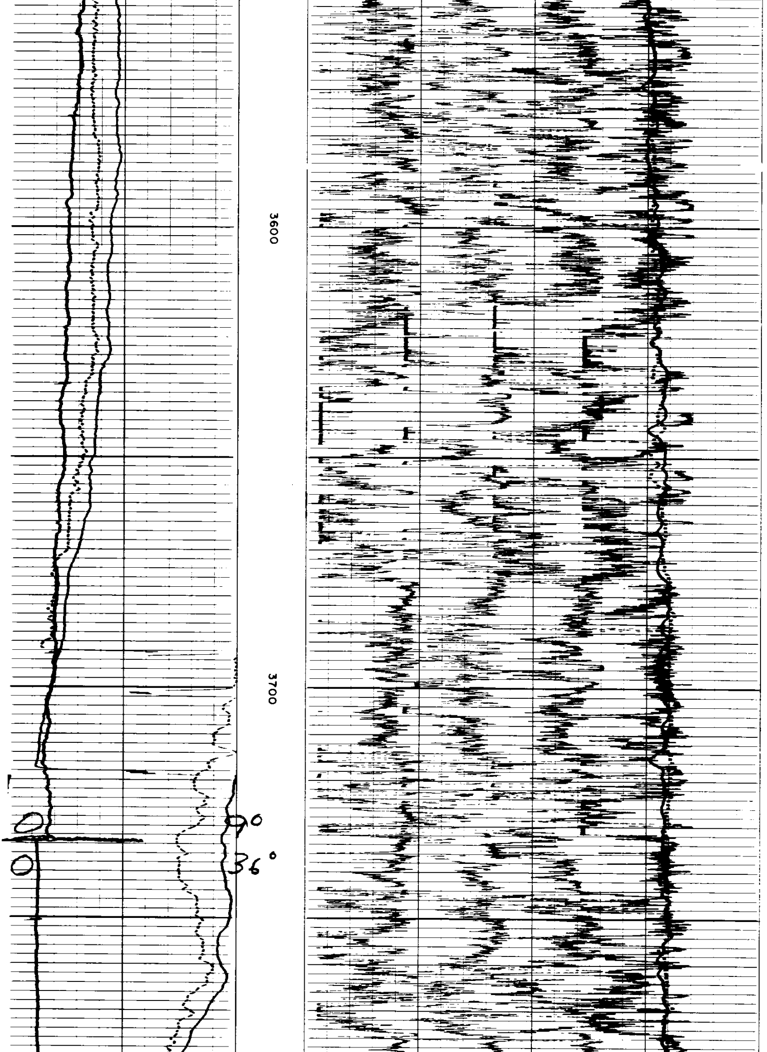


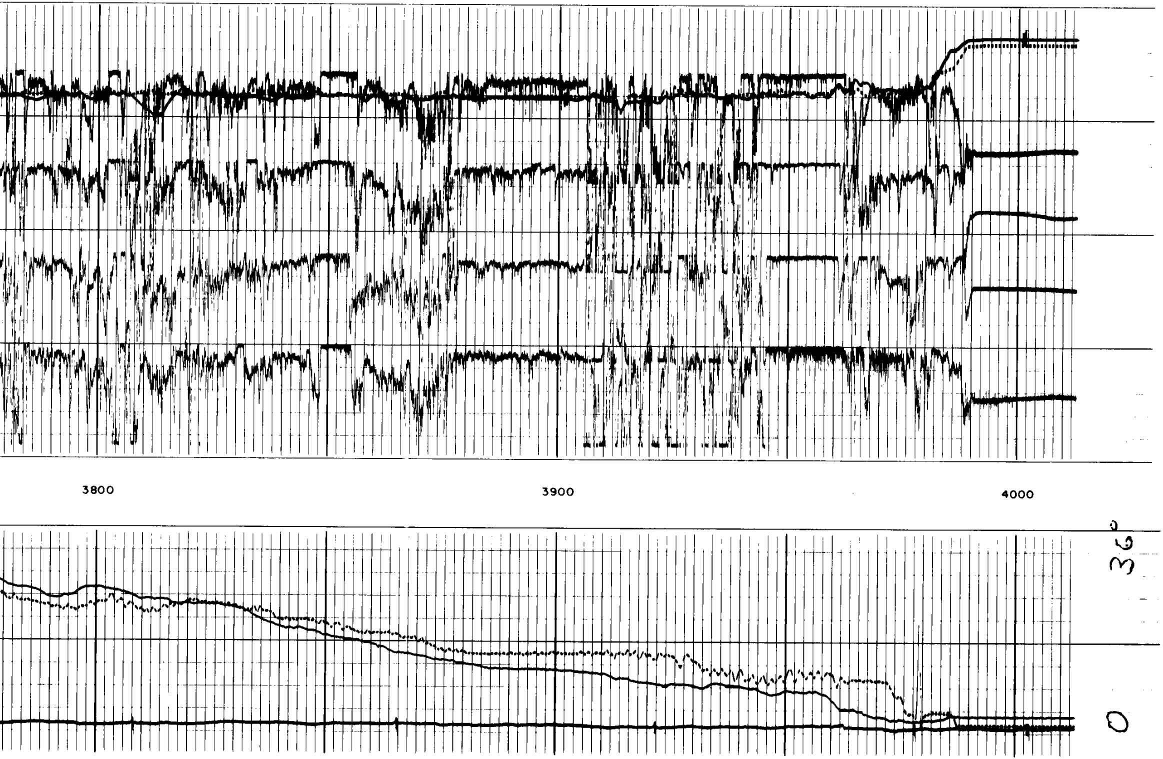


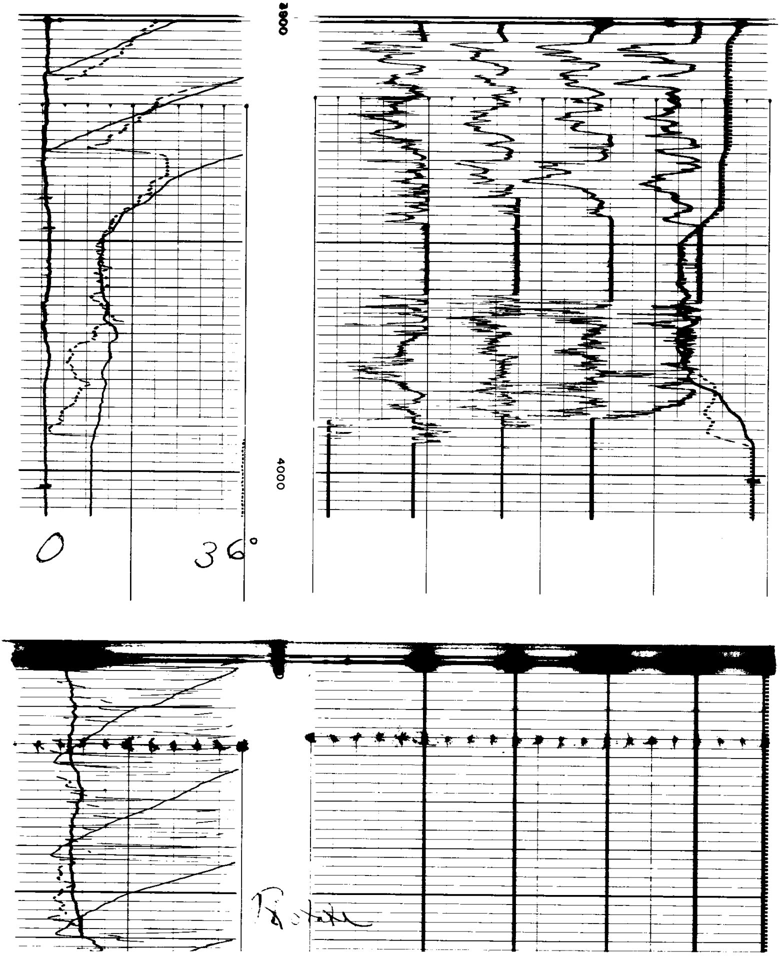












End of log