GL04145

Schlumberger

FOUR – ARM HIGH RESOLUTION
CONTINUOUS DIPMETER

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY CHEVRON Oil Company
CHEVRON MINERALS STATE
WELL Rossi 21-19
FIELD BEOWAWE
COUNTY LANDERS STATE NEVADA

LOCATION: 375'S, 825'E FR NW COR API Serial No.
Sec. 19 Twp. 31N Rge. 48E

Other Services:
DIL
FDC/CNL/GR
BHC/VDL

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

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

Date	3 DEC 76			
Run No.	TWO			
Depth–Driller	5686			
Depth–Logger	5680			
Btm. Log Interval	5680			
Top Log Interval	4375			
Casing–Driller	9 5/8 @ 4369	@	@	@
Casing–Logger	4375			
Bit Size	8 3/4			
Type Fluid in Hole	HYDROPURE*			
Fluid Level	FULL			
Dens. | Visc.	— | —			
pH | Fluid Loss	— | — ml	ml	ml	ml
Source of Sample	—			
R_m @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	— | —			
R_m @ BHT	— @ — °F	@ °F	@ °F	@ °F
Time Since Circ.	0			
Max. Rec. Temp.	379 °F	°F	°F	°F
Equip. | Location	7763 | SACTO			
Recorded By	ANDERSON			
Witnessed By	C. BRUCE			

SWS-1500-F

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

REMARKS: Service Order No. 04271 Magnetic Declination

600 BBLS water pumped in before logging

Run No.	1	2	3	4
Tool Type		HDT		
HDP		C 739		
DDR | TTR		C746 | —		
DPI		F 14		
HDM		E 1726		
HDE		CB 7879		
HDS		D 1752		
Adapter Head				
UG | CG | SAH		✓		
5" Film | 10" Film | 60" Record		✓ | ✓		
Analog | Digital		✓		
TIME Circulation Stopped		0800		
TIME Schl. on Bottom				

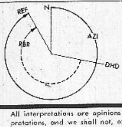
ROLL NO.	INTERVAL
1	4375-5680

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

(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.

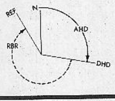
DEFINITIONS

(AZI) AZIMUTH OF REFERENCE ELECTRODE = Clockwise angle from N to REF.
(RBR) RELATIVE BEARING = Clockwise angle from DHD to REF.
(AHD) AZIMUTH OF HOLE DEV. (TOOL AXIS) = Clockwise angle from N to DHD.



LOW ANGLE UNIT ☒

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

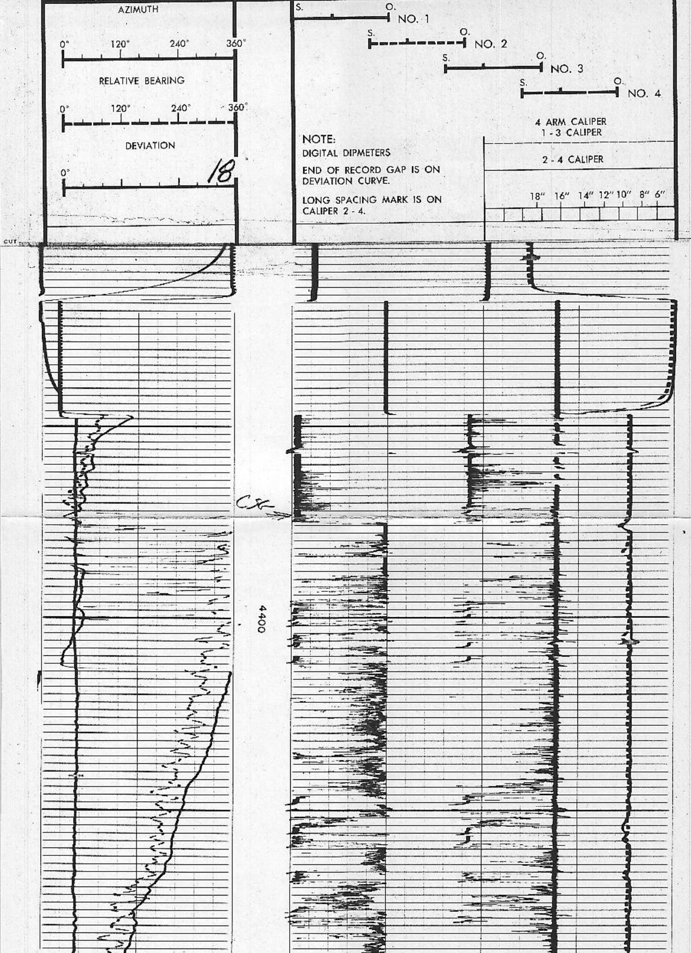


HIGH ANGLE UNIT ☐

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

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.

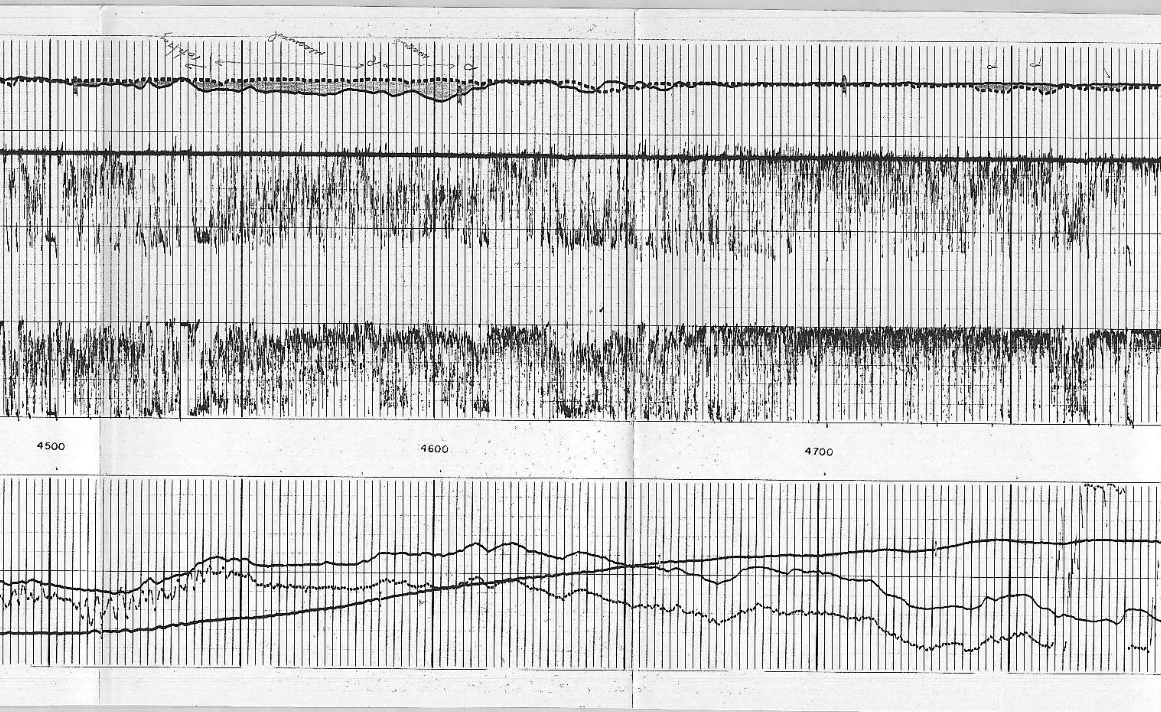
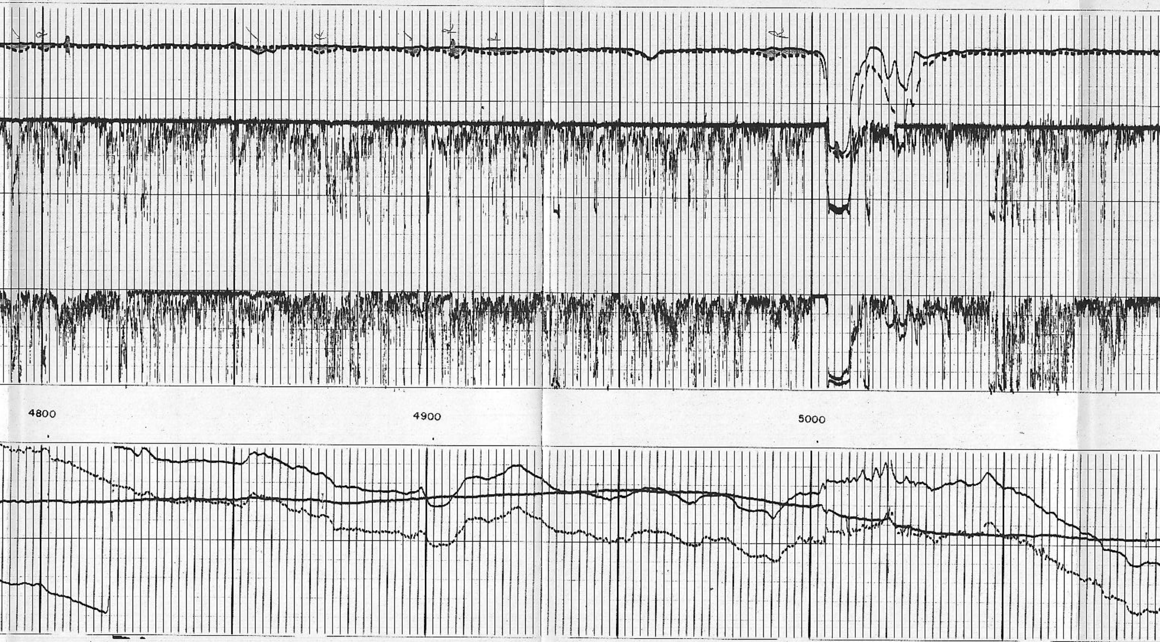
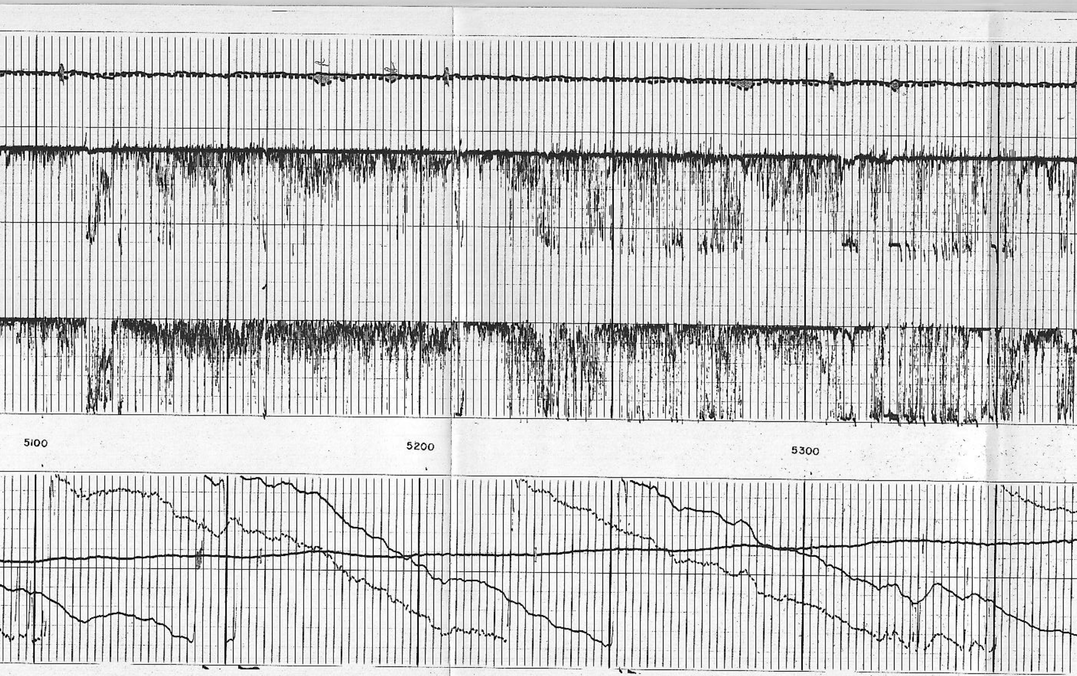
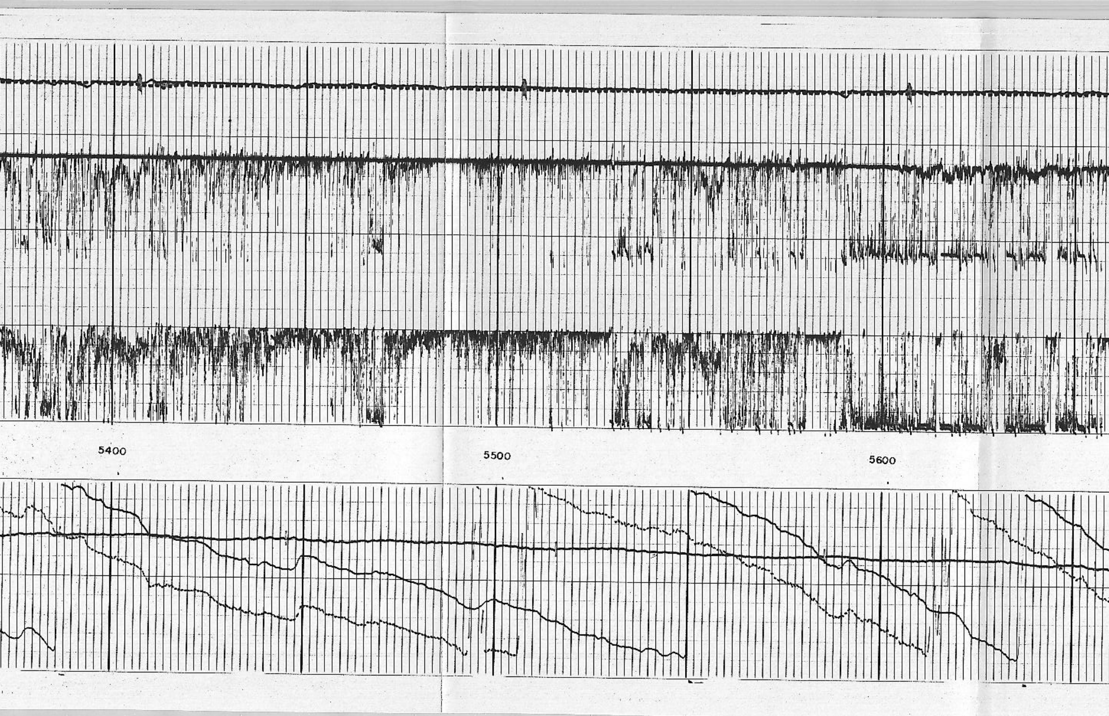
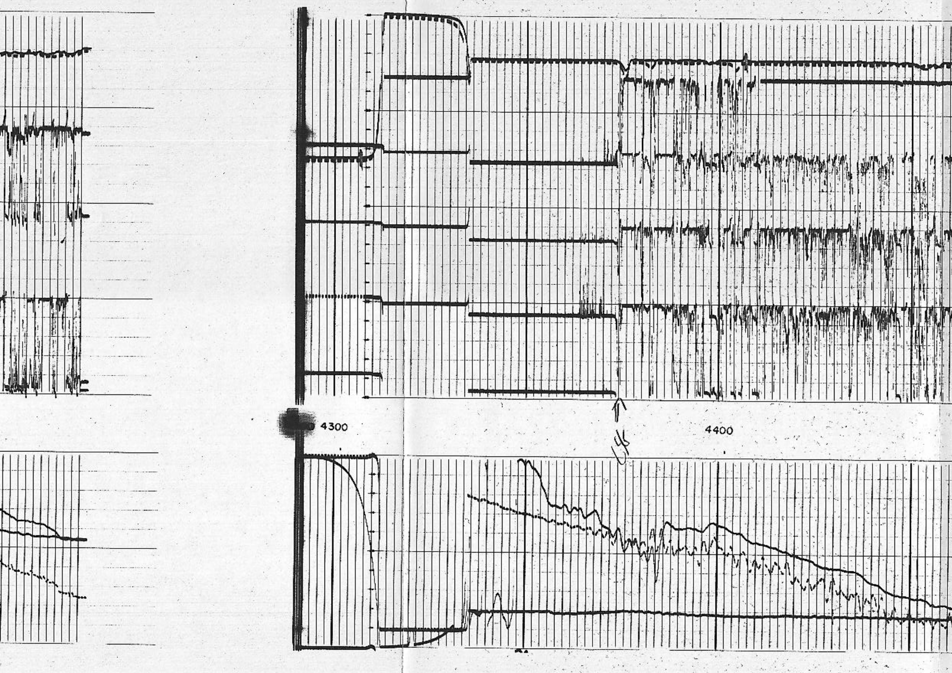
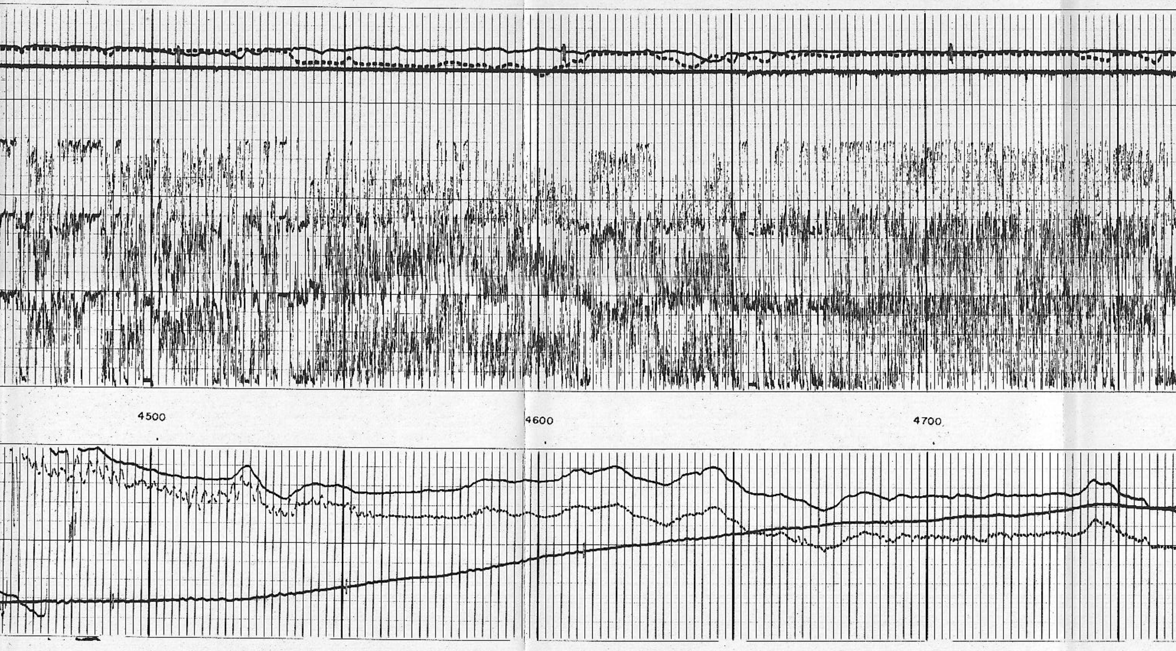
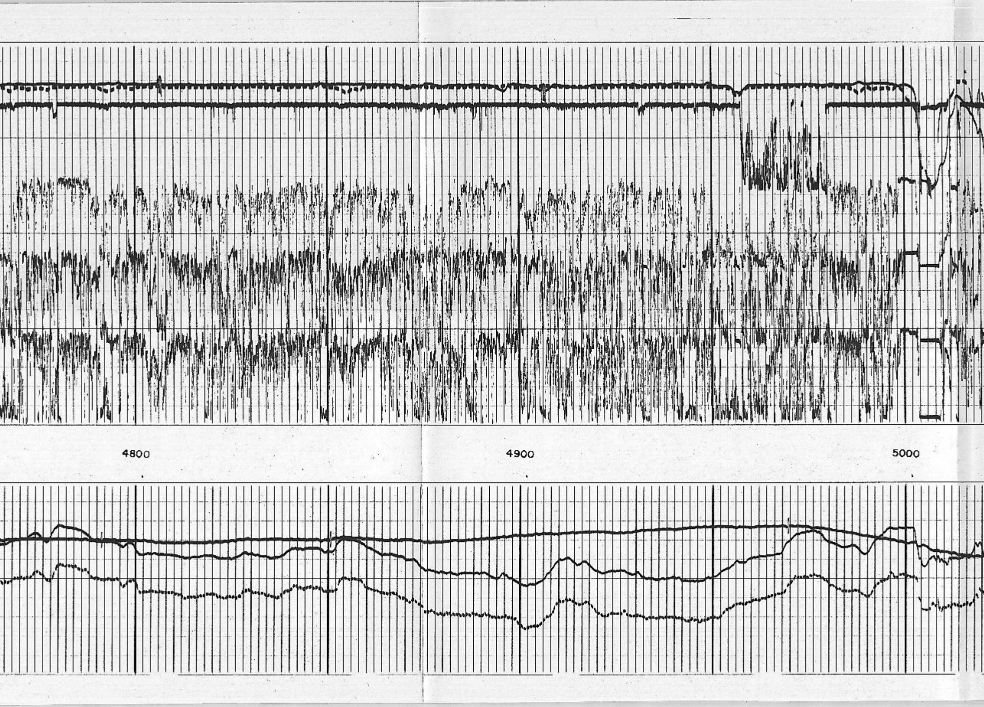
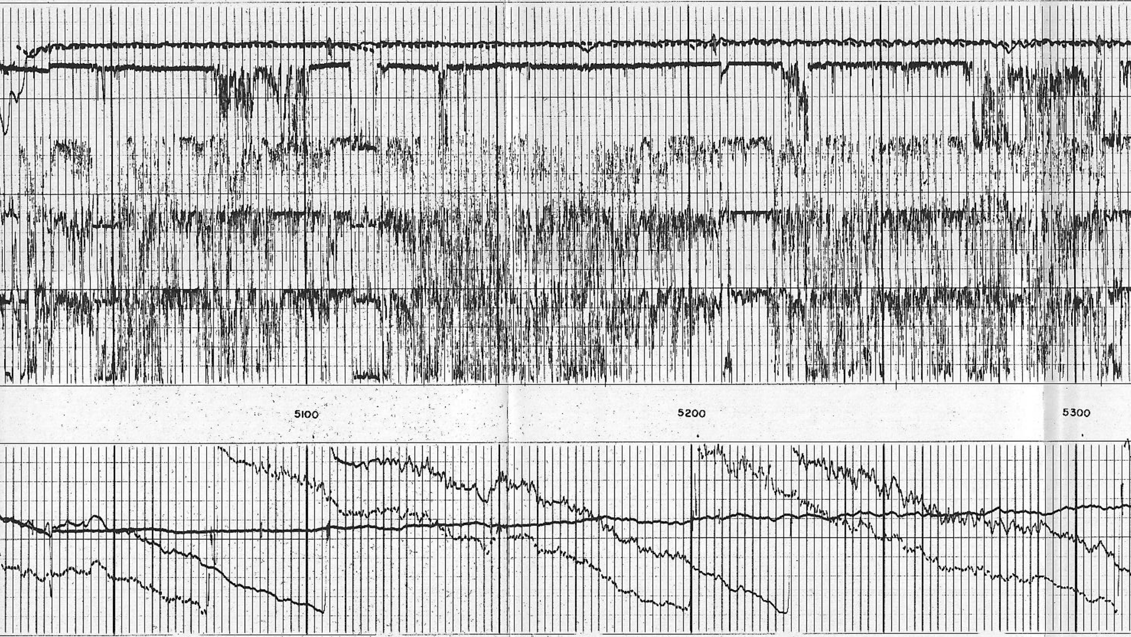
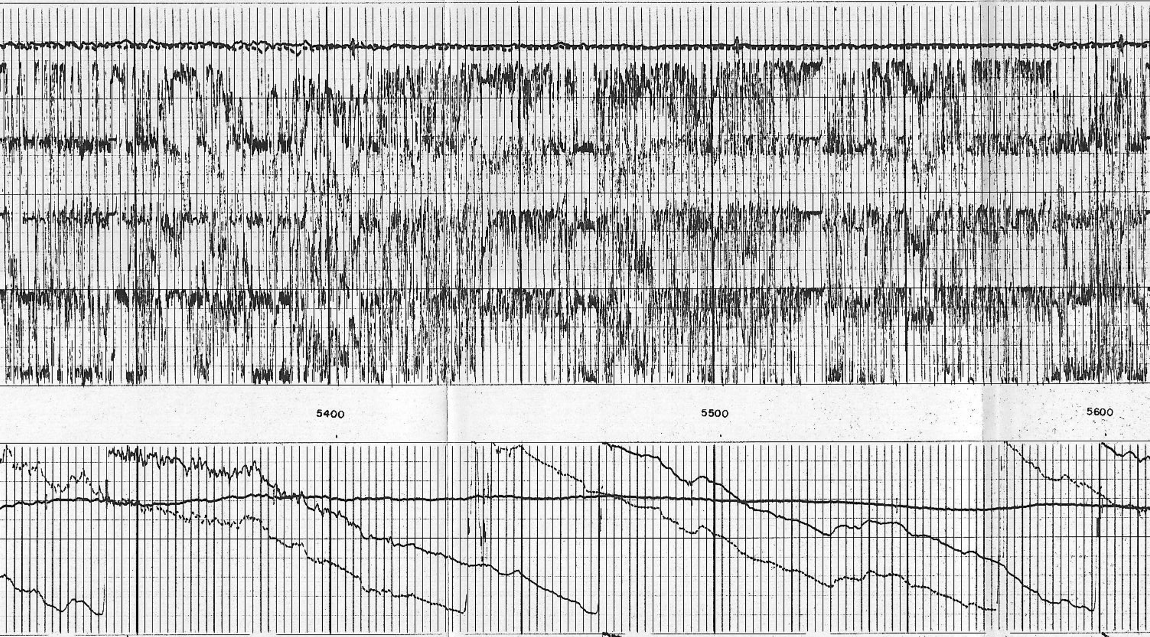
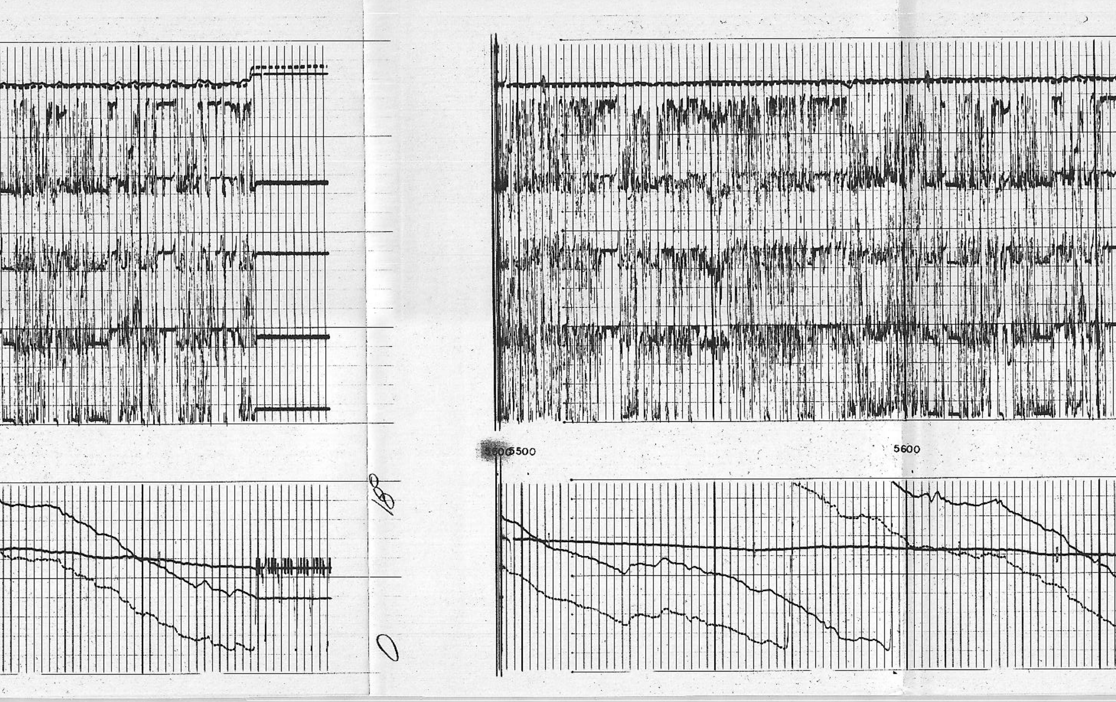
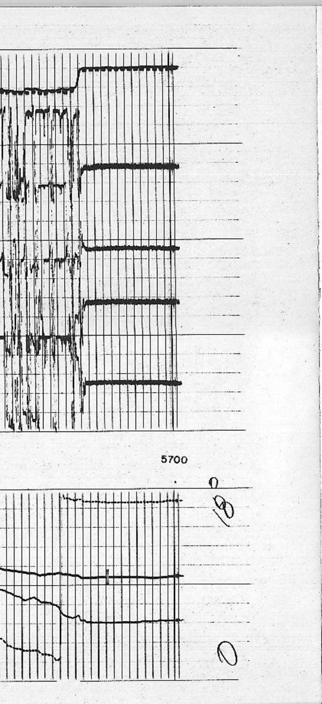
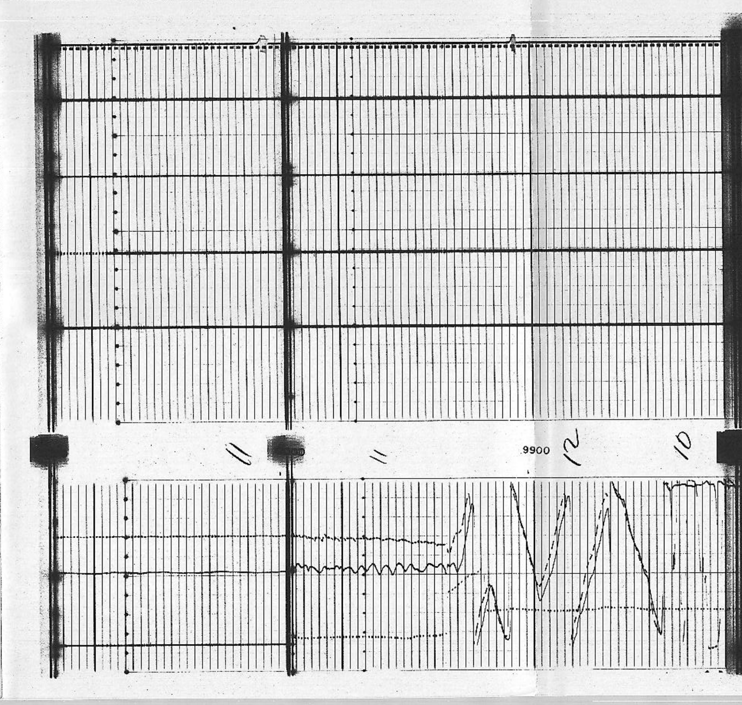
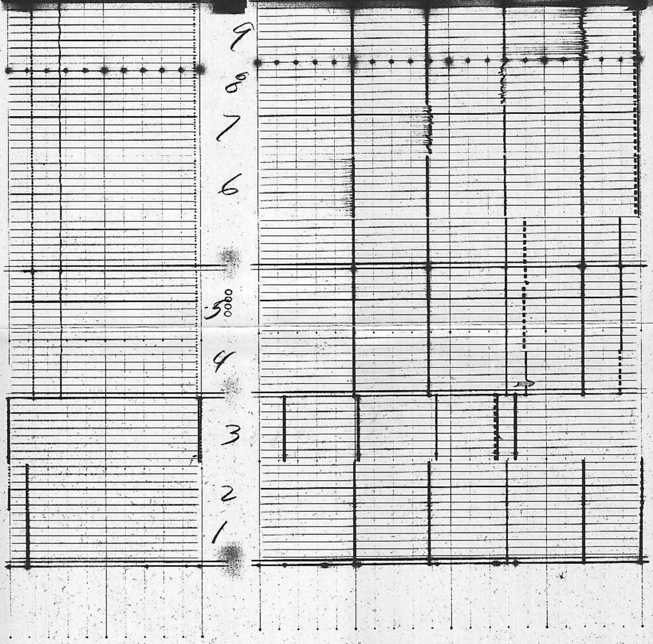
ORIENTATION	DEPTHS	CORRELATION CURVES ← CONDUCTIVITY



NOTE:

DIGITAL DIPMETERS

END OF RECORD GAP IS ON DEVIATION CURVE.

LONG SPACING MARK IS ON CALIPER 2 - 4.