GL 04476_16

Schlumberger

FOUR—ARM HIGH RESOLUTION CONTINUOUS DIPMETER

COUNTY BEAVER
FIELD or LOCATION WILDCAT
WELL CFS 42-7
COMPANY UNION OIL CO. OF CAL.

COMPANY UNION OIL COMPANY OF CALIFORNIA
WELL COVE FORT-SULPHURDALE UNIT NO. 42-7
FIELD WILDCAT
COUNTY BEAVER STATE UTAH

LOCATION: API Serial No. ______
SE-1/4 NE-1/4 NW-1/4
Sec. 7 Twp. 26S Rge. 6W

Other Services:
FDC/CNL-GR
DIL,BHC
HRT

Permanent Datum: GL ; Elev.: 6422
Log Measured From KB , 20 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 6442
D.F. ______
G.L. 6422

Date	3-1-78			
Run No.	ONE			
Depth—Driller	7705			
Depth—Logger	6004			
Btm. Log Interval	6003			
Top Log Interval	DID NOT LOG BOTTOM OF HOLE BECAUSE OF HEAT			
Casing—Driller	9-5/8 @ 3357	@	@	@
Casing—Logger	---			
Bit Size	8-3/4			
Type Fluid in Hole	FORMATION WATER			
Fluid Level	---			
Dens. | Visc.	--- | ---	|	|	|
pH | Fluid Loss	--- | --- ml	| ml	| ml	| ml
Source of Sample	---			
Rm @ Meas. Temp.	1.28 @ 63 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.29 @ 63 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	MEAS | ---	|	|	|
Rm @ BHT	.24 @ 338 °F	@ °F	@ °F	@ °F
Time Since Circ.	5 HOURS			
Max. Rec. Temp.	338 °F	°F	°F	°F
Equip. | Location	7761 | FARM	|	|	|
Recorded By	FAHRENBRUCH AND ENYEART			
Witnessed By	MALONE			

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

REMARKS: Service Order No. 17136 Magnetic Declination 15° E
RECORDER LIGHT INTERMITENT.

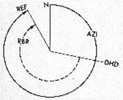
Run No.	1	2	3	4
Tool Type				
HDP	D 839			
DDR / TTR	/ 1922	/	/	/
DPI				
HDM	F 933			
HDE	CB 1709			
HDS	D 955			
Adapter Head				
UG / CG / SAH	X / /	/ /	/ /	/ /
5" Film / 10" Film / 60" Record	X / / X	/ /	/ /	/ /
Analog / Digital	/ X	/	/	/
TIME: Circulation Stopped				
TIME: Schl. on Bottom				

ROLL NO.	INTERVAL

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

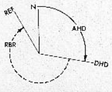
DEFINITIONS

(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 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°

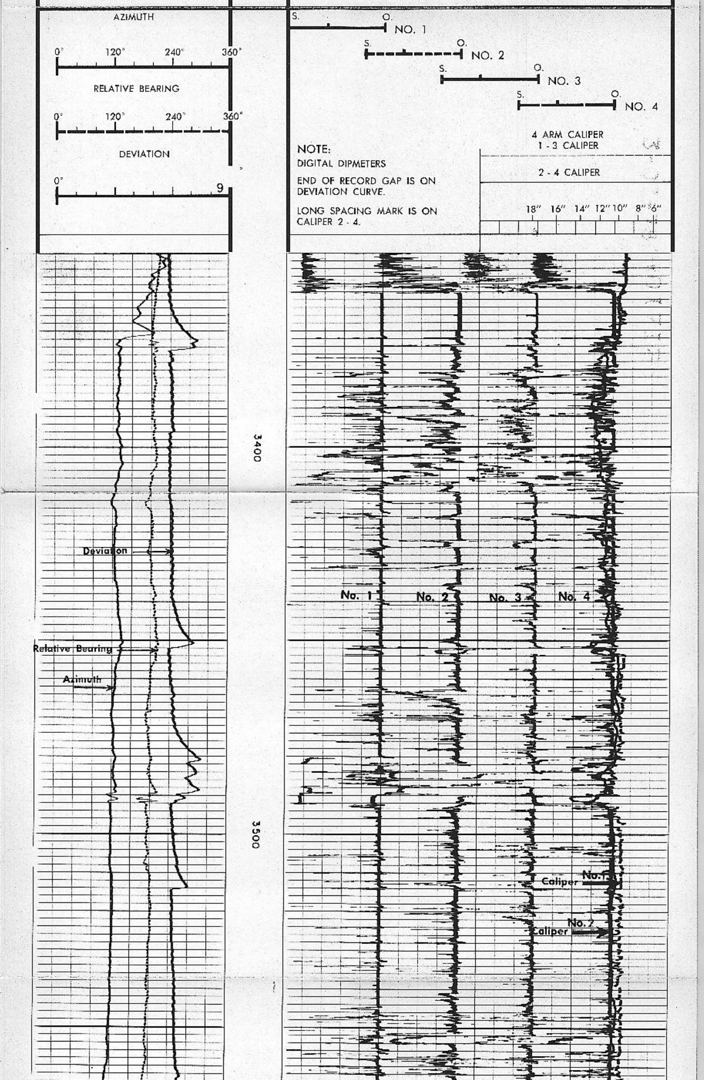


HIGH ANGLE UNIT ☐

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

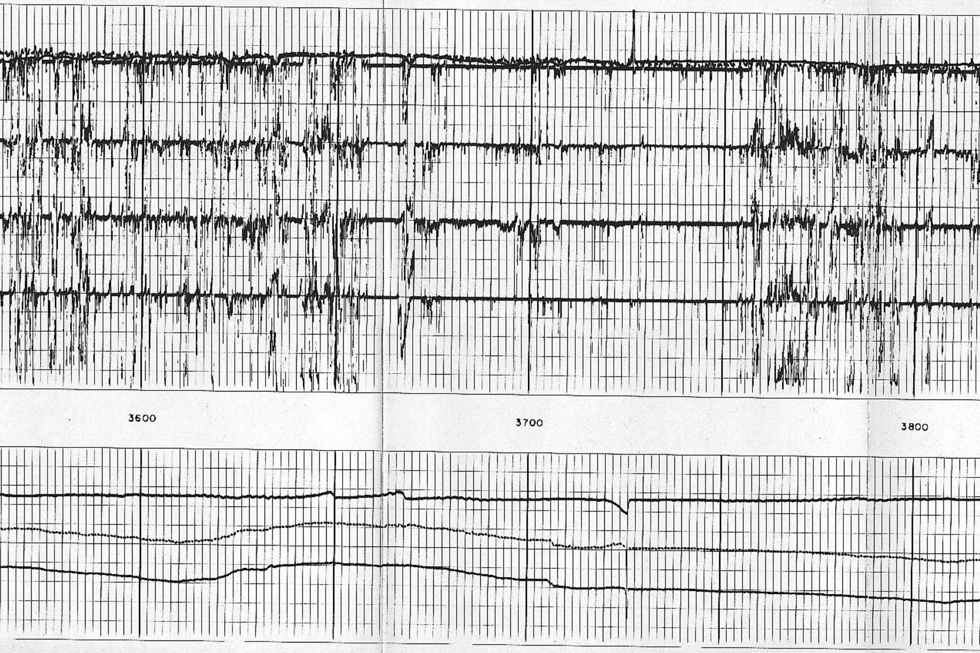
ORIENTATION	DEPTHS	CORRELATION CURVES ←CONDUCTIVITY

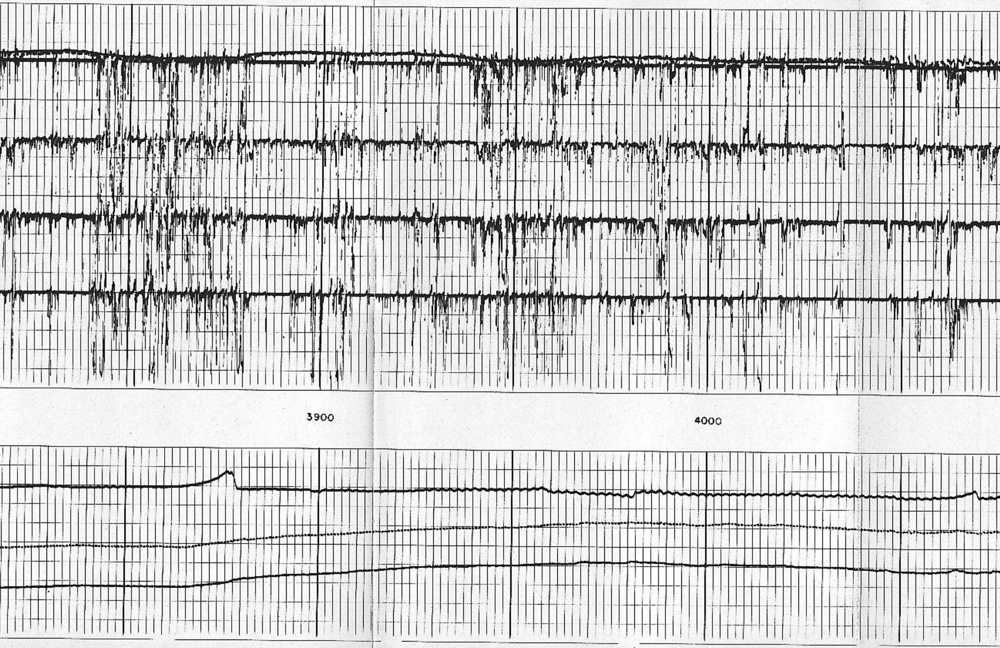


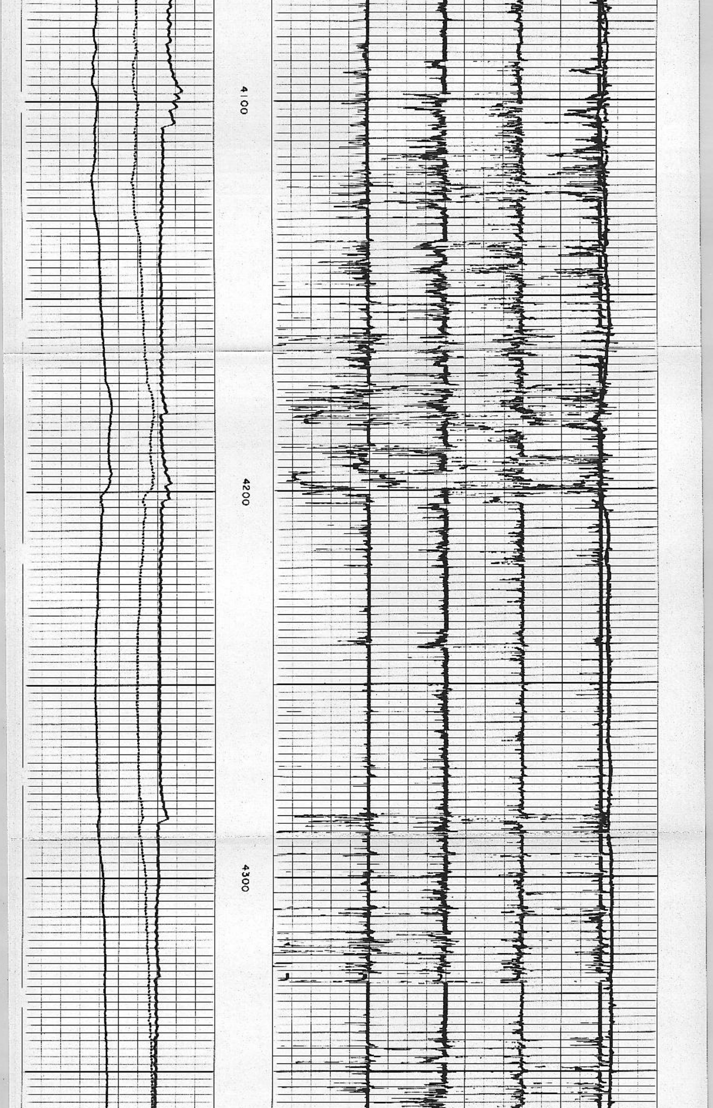
NOTE:
DIGITAL DIPMETERS

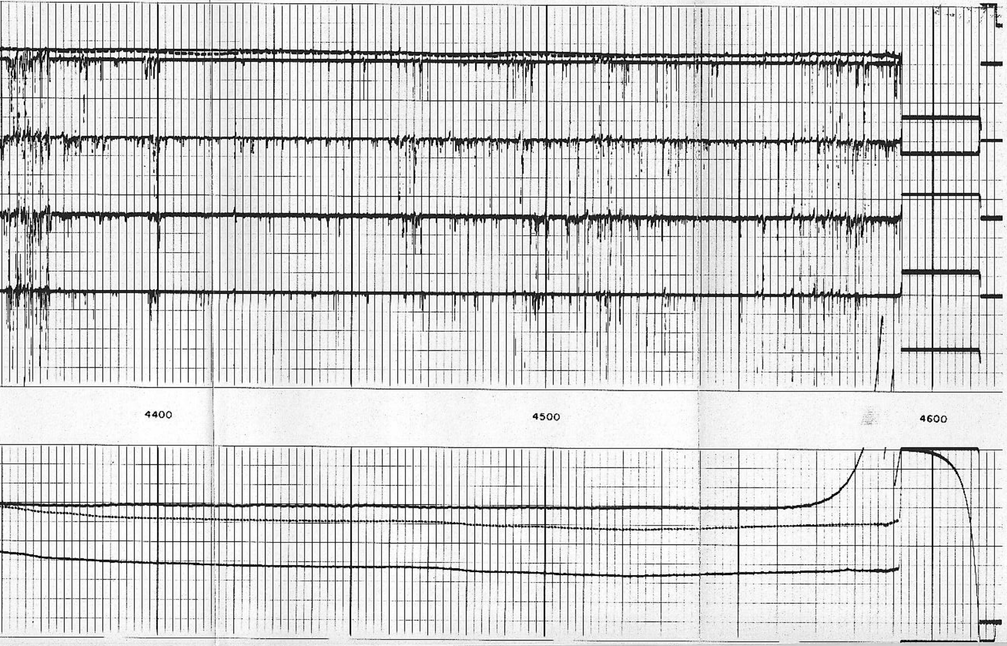
END OF RECORD GAP IS ON DEVIATION CURVE.

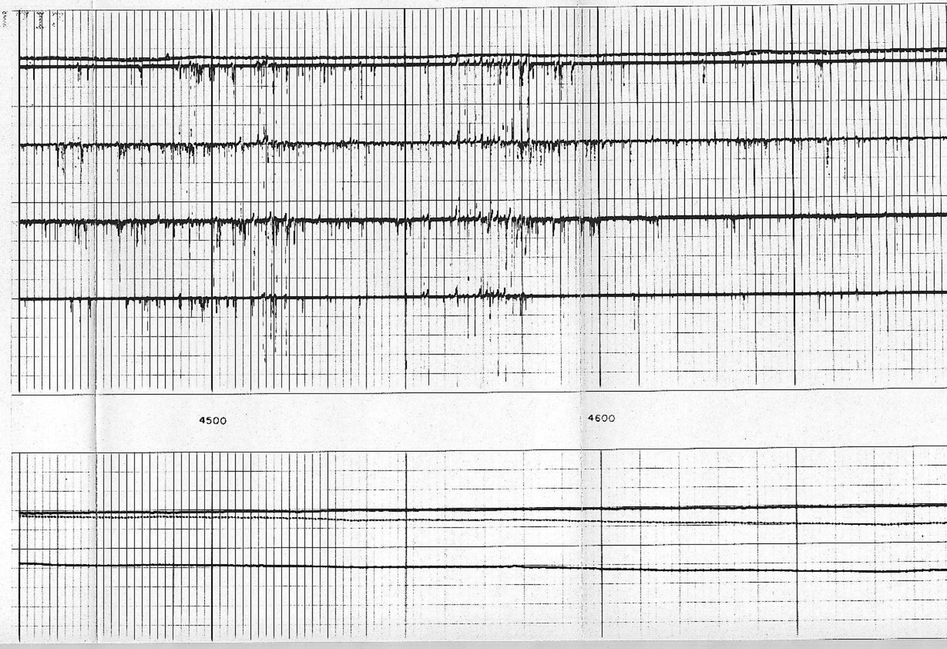
LONG SPACING MARK IS ON CALIPER 2 - 4.

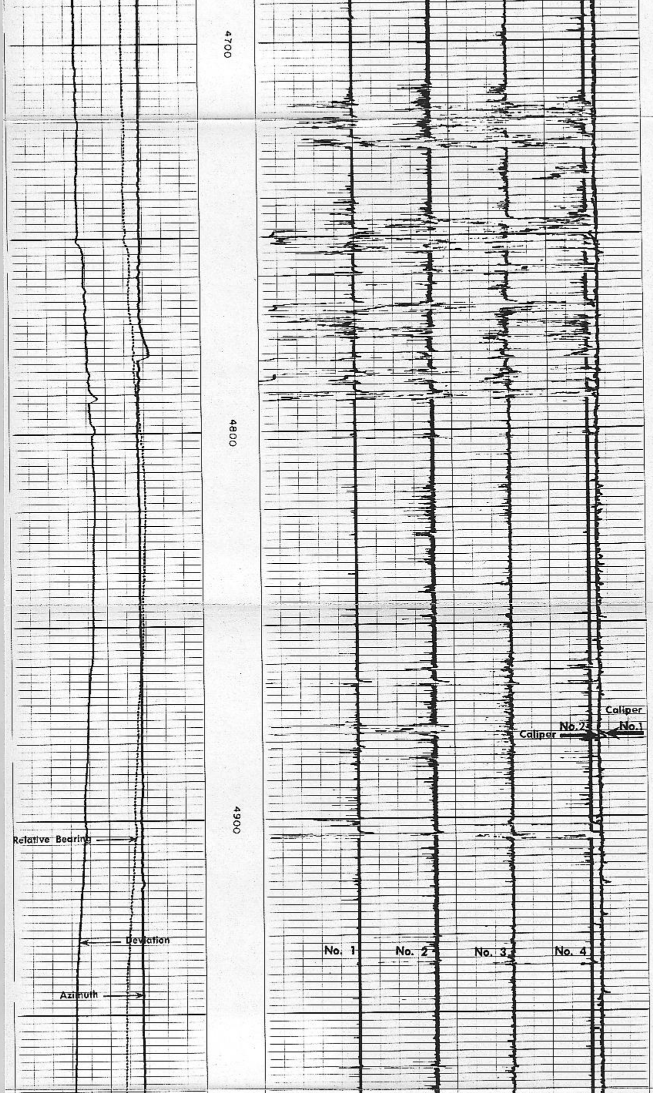


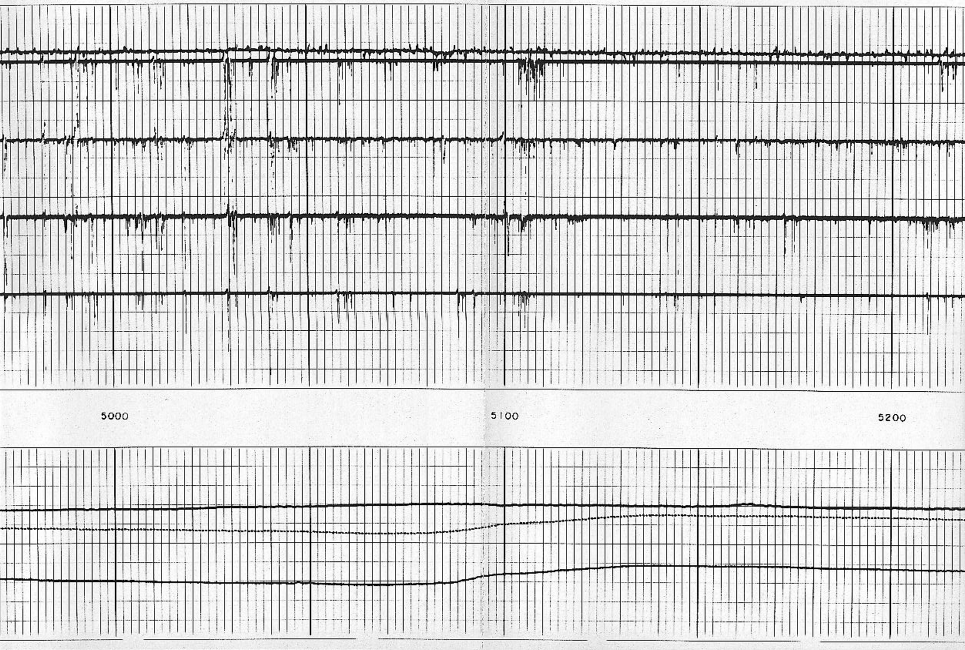


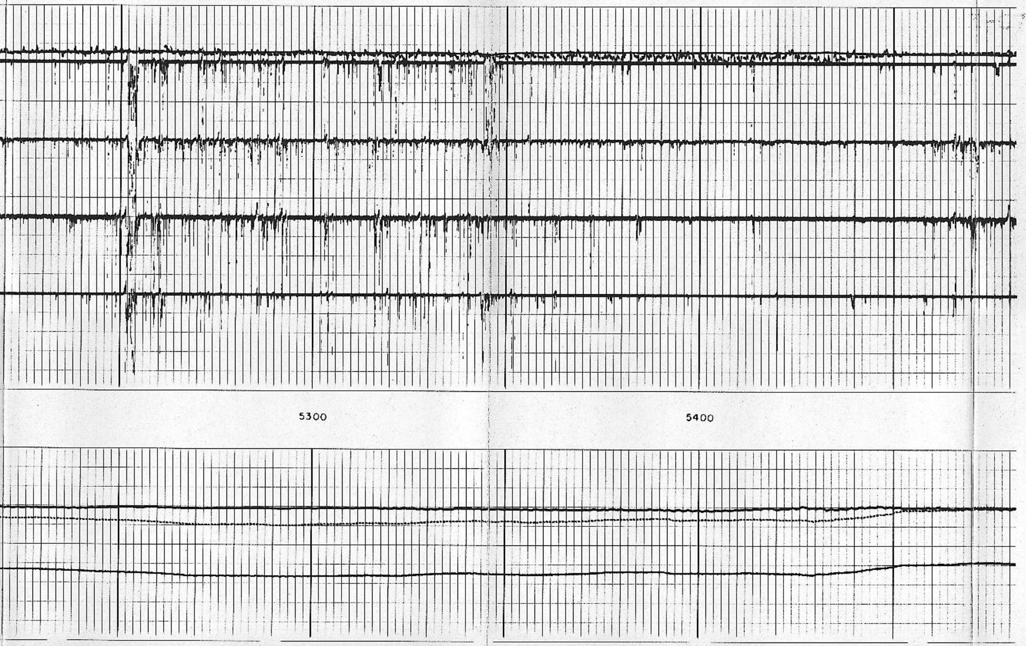


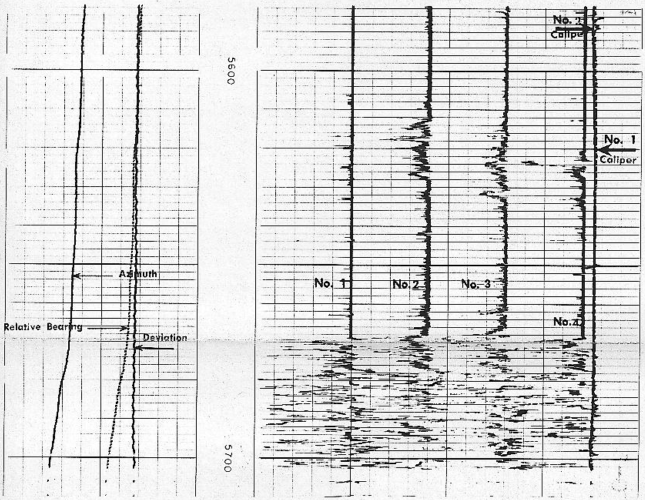


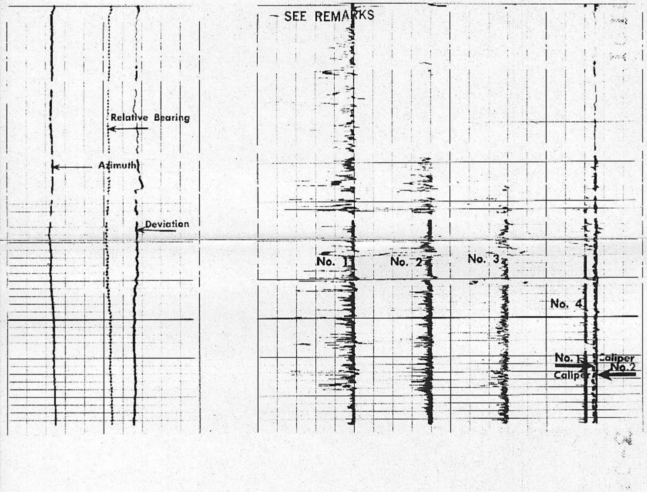


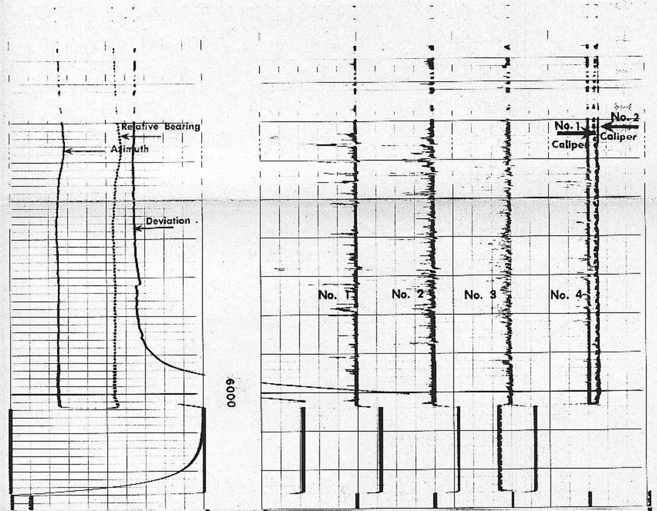












AZIMUTH

0° 120° 240° 360°

RELATIVE BEARING

0° 120° 240° 360°

DEVIATION

0° 9

S. O. NO. 1

S. O. NO. 2

S. O. NO. 3

S. O. NO. 4

4 ARM CALIPER
1 - 3 CALIPER

2 - 4 CALIPER

18″ 16″ 14″ 12″ 10″ 8″ 6″

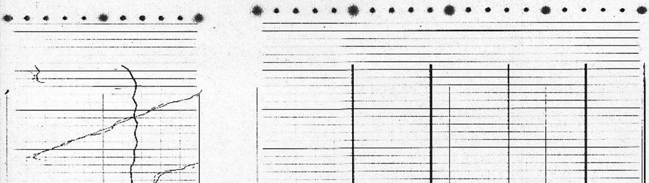
NOTE:

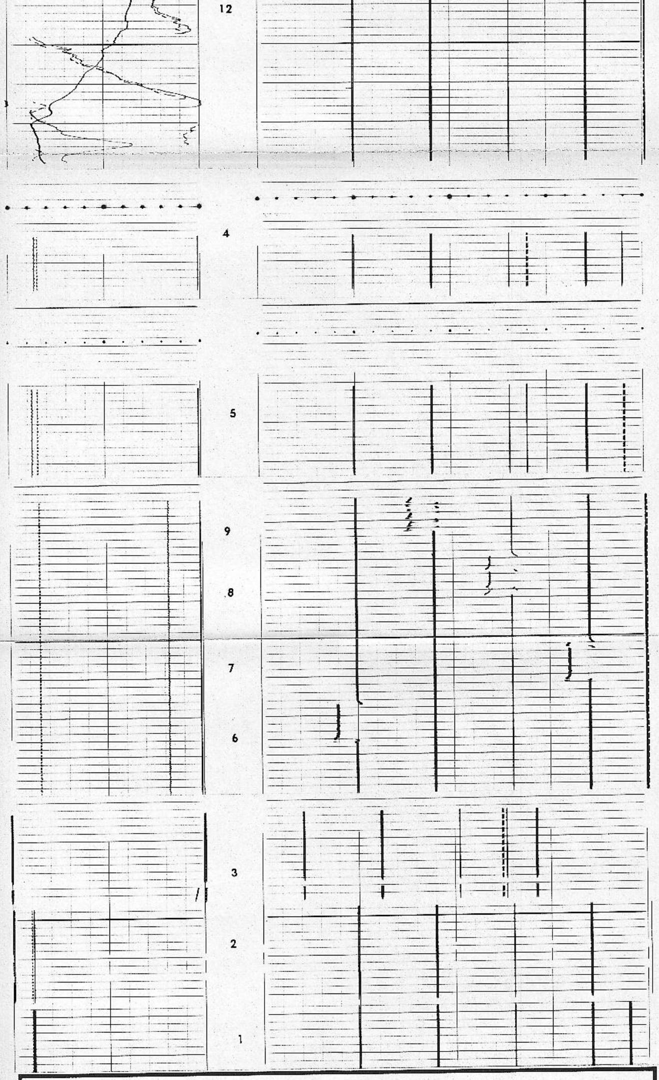
DIGITAL DIPMETERS

END OF RECORD GAP IS ON DEVIATION CURVE.

LONG SPACING MARK IS ON CALIPER 2 - 4.

ORIENTATION	DEPTHS	CORRELATION CURVES ← CONDUCTIVITY





HIGH RESOLUTION DIPMETER CALIBRATION CODING

1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. FULL SCALE ADJUST
4. CALIPER ADJUST AT 6" AND 16" CALIPER 1-3 IS CODED
5. CALIPER ADJUST AT 6" AND 16" CALIPER 2-4 IS SOLID
6. PAD #1 RESPONSE CHECK
7. PAD #2 RESPONSE CHECK
8. PAD #3 RESPONSE CHECK
9. PAD #4 RESPONSE CHECK
10. SONDE HANGING VERTICALLY
11. TOOL AND PAD #1 POINTED NORTH
12. TOOL ROTATING

COMPANY UNION OIL CO. OF CALIF.

WELL COVE FORT-SULPHURDALE UNIT NO. 42-7

FIELD WILDCAT

COUNTY BEAVER STATE UTAH

ROLL NO. __________

DEPTH INTERVAL THIS ROLL

From ________ To ________