Schlumberger

FOUR — ARM HIGH RESOLUTION CONTINUOUS DIPMETER

COUNTY COLUMBIA
FIELD MIST
LOCATION 25 6N 5W
WELL AQP LONGVIEW FIBRE 25-32
COMPANY AMERICAN QUASER PETROLUEM COMPANY

RECEIVED-PTLD
MAR 10 1980
DEPT OF GEOLOGY & MINERAL INDUS

COMPANY AMERICAN QUASER PETROLUEM COMPANY
WELL AQP LONGVIEW FIBRE 25-32
FIELD MIST
COUNTY COLUMBIA STATE OREGON

LOCATION SOUTHWEST-NORTHEAST

API SERIAL NO.	SEC.	TWP	RANGE
	25	6N	5W

Other Services:
FDC-CNL-GZ
DISFL
BHC

Permanent Datum: GL ; Elev.: 876
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 888
D.F.
G.L. 876

Date	2-4-80			
Run No.	1			
Depth—Driller	2902			
Depth—Logger (Schl.)	2902			
Btm. Log Interval	2896			
Top Log Interval	518			
Casing—Driller	8½ @ 518	@	@	@
Casing—Logger	518			
Bit Size	61/8			
Type Fluid in Hole	LIGNO			
Dens. | Visc.	9.5 | 35			
pH | Fluid Loss	10 | 8 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.27 @ 62 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.18 @ 58 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.28 @ 55 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M			
Rm @ BHT	1.50 @ 100 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0800 2/4			
TIME Logger on Bottom	1530 2/4			
Max. Rec. Temp.	100 °F	°F	°F	°F
Equip. | Location	8126 | 4408			
Recorded By	KAISER			
Witnessed By Mr.	MANN			

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

REMARKS: Service Order No. 124016 Magnetic Declination 17°

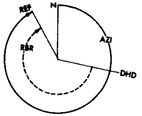
Run No.	1	2	3	4
Tool Type	LT WT			
HDP	DAM 752			
DDR | TTR	- | -			
DPI	-			
HDM	HDM J			
HDE				
HDS	1107			
Adapter Head	-			
UG | CG | SAH				
5" Film | 10" Film | 60" Record	X | - | -			
Analog | Digital	✓ | ✓			
TIME Circulation Stopped	0800 2/4			
TIME Schl. on Bottom	1530			

ROLL NO.	INTERVAL

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

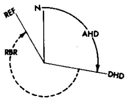
DEFINITIONS

(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 ☒

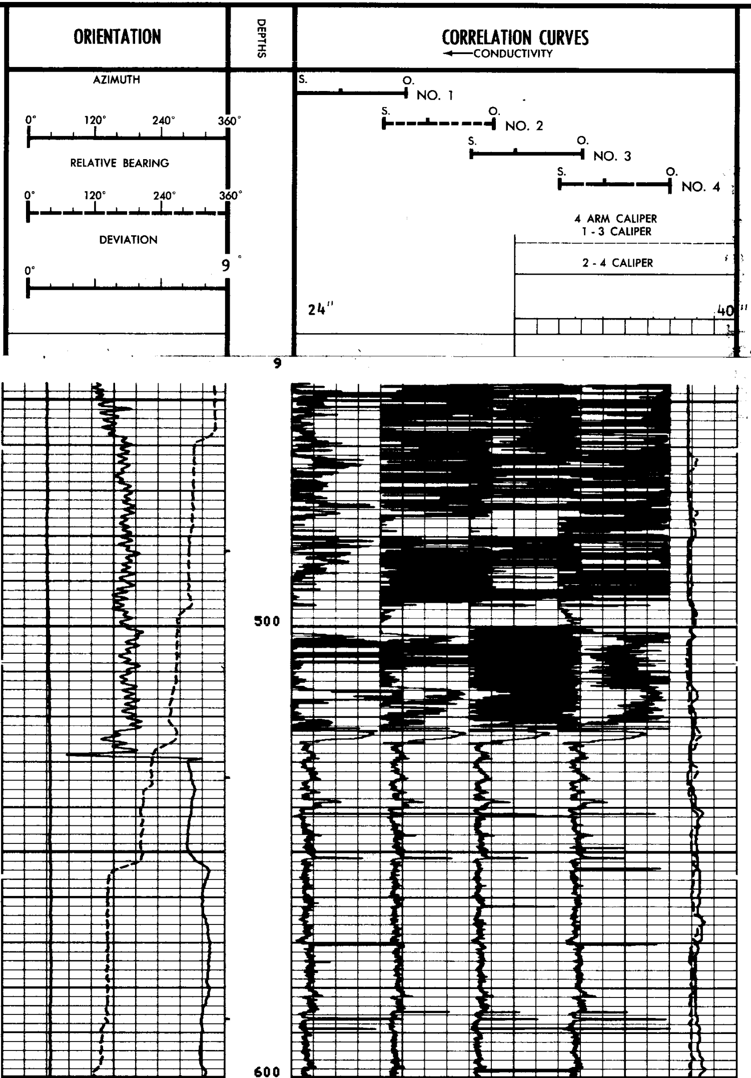
EXAMPLE
HDM - Low Angle Unit (0-36°)
AZI (solid curve) = 330°
RBR (dotted curve) = 230°
AHD = AZI − RBR = 330° − 230° = 100°

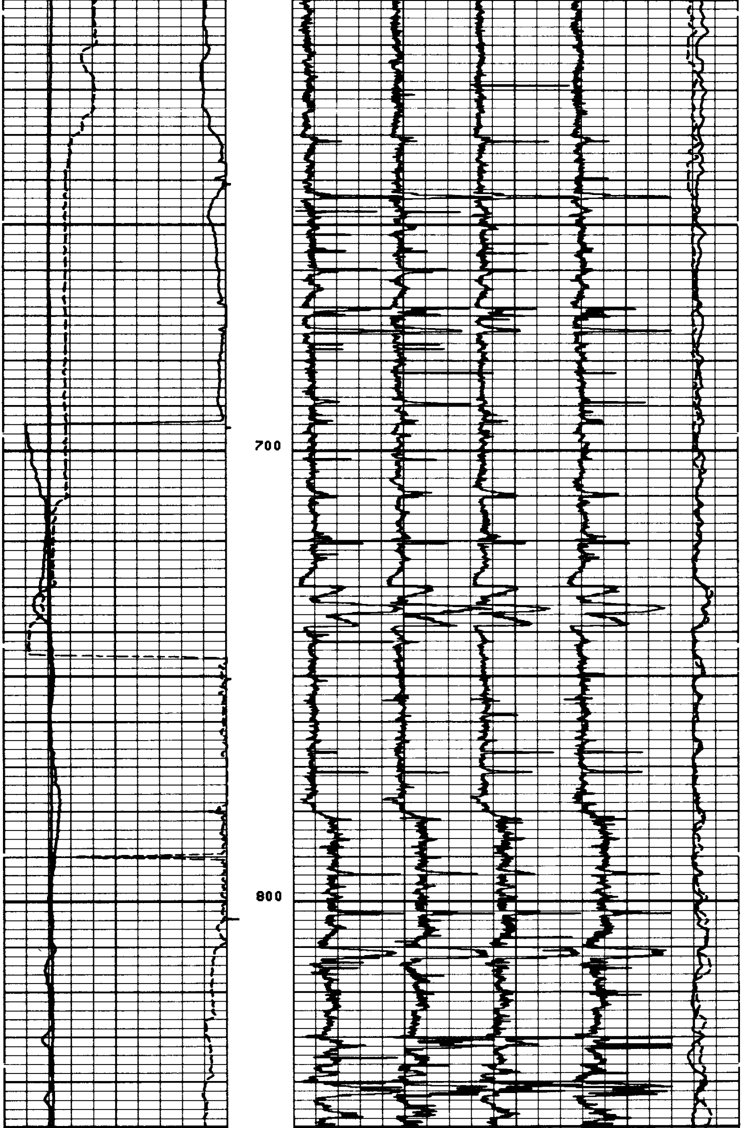


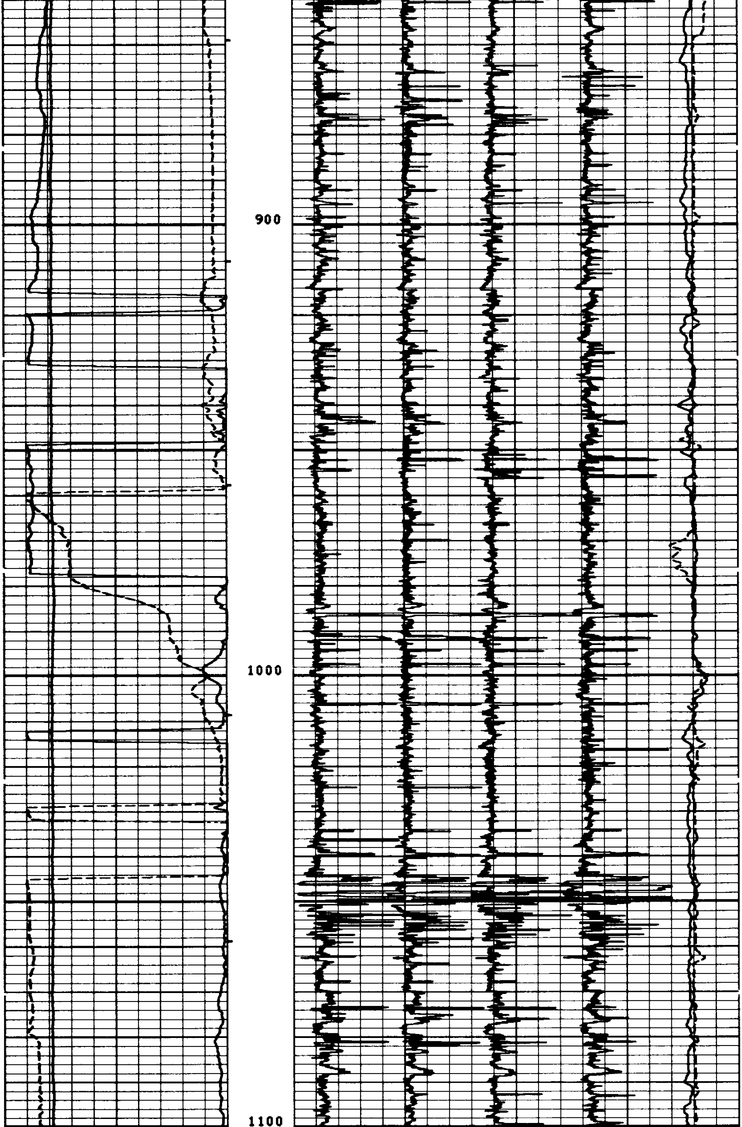
HIGH ANGLE UNIT ☐

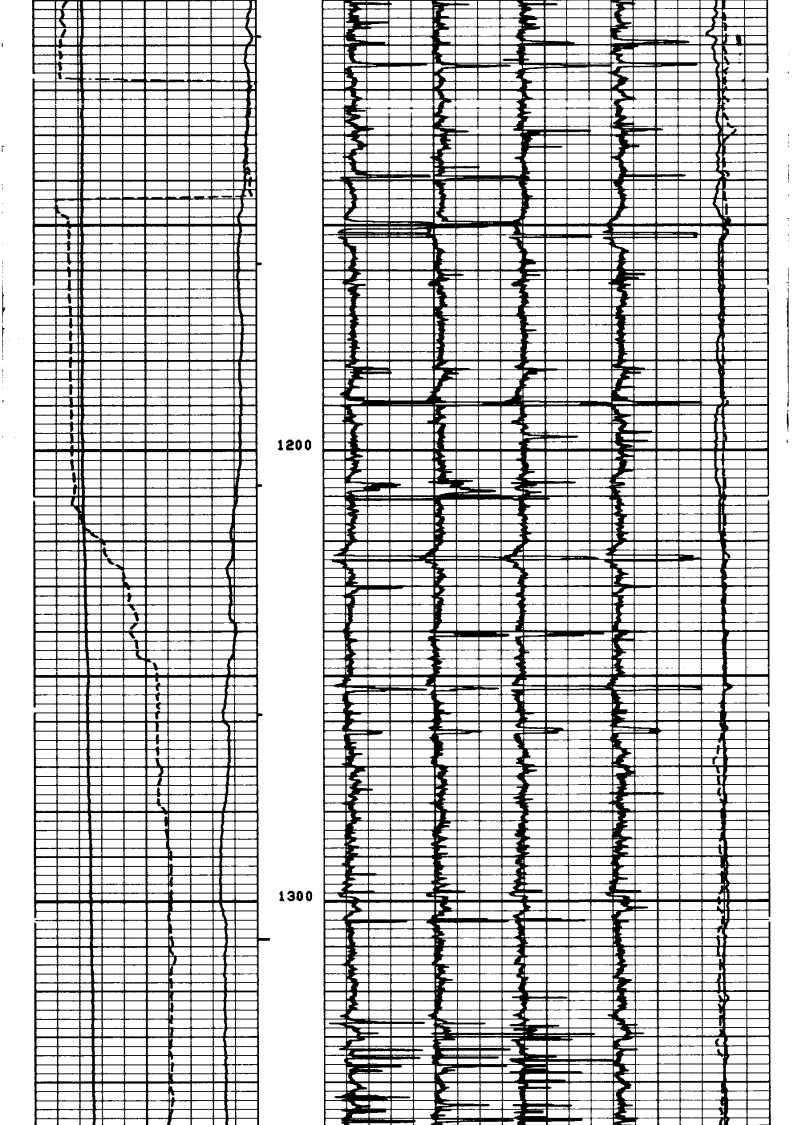
EXAMPLE
HDM - High Angle Unit (0-72°)
AHD (solid curve) = 100°
RBR (dotted curve) = 230°
AZI = AHD + RBR = 100° + 230° = 330°

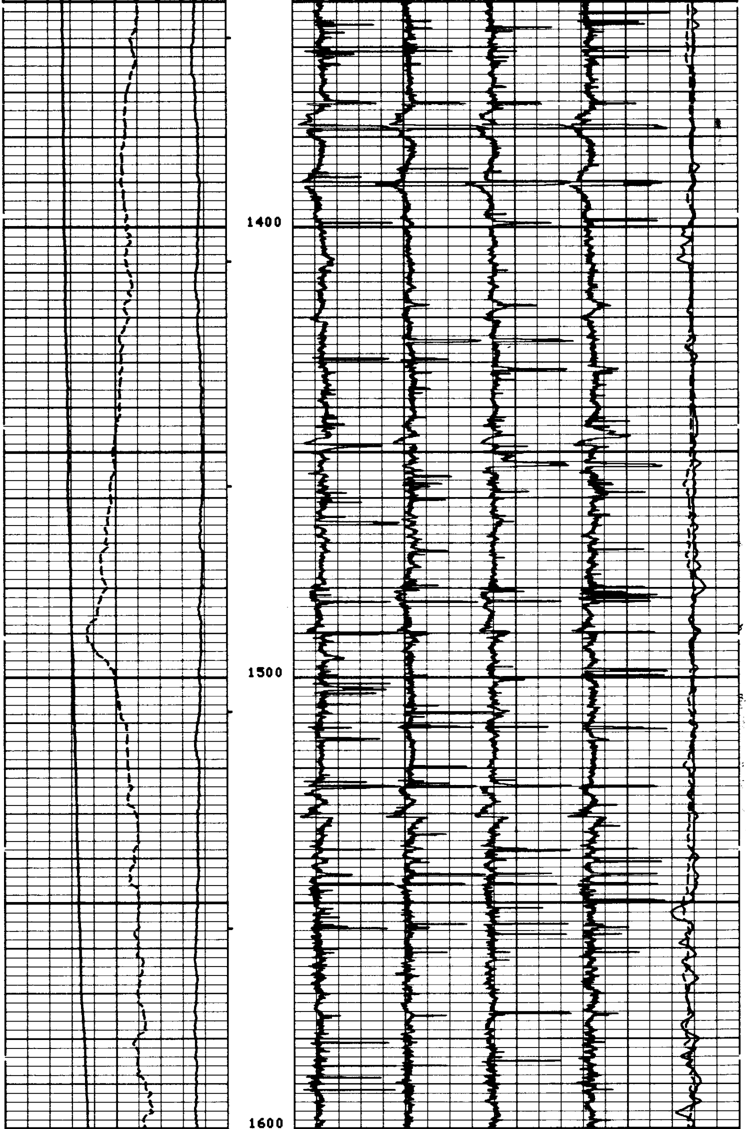
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

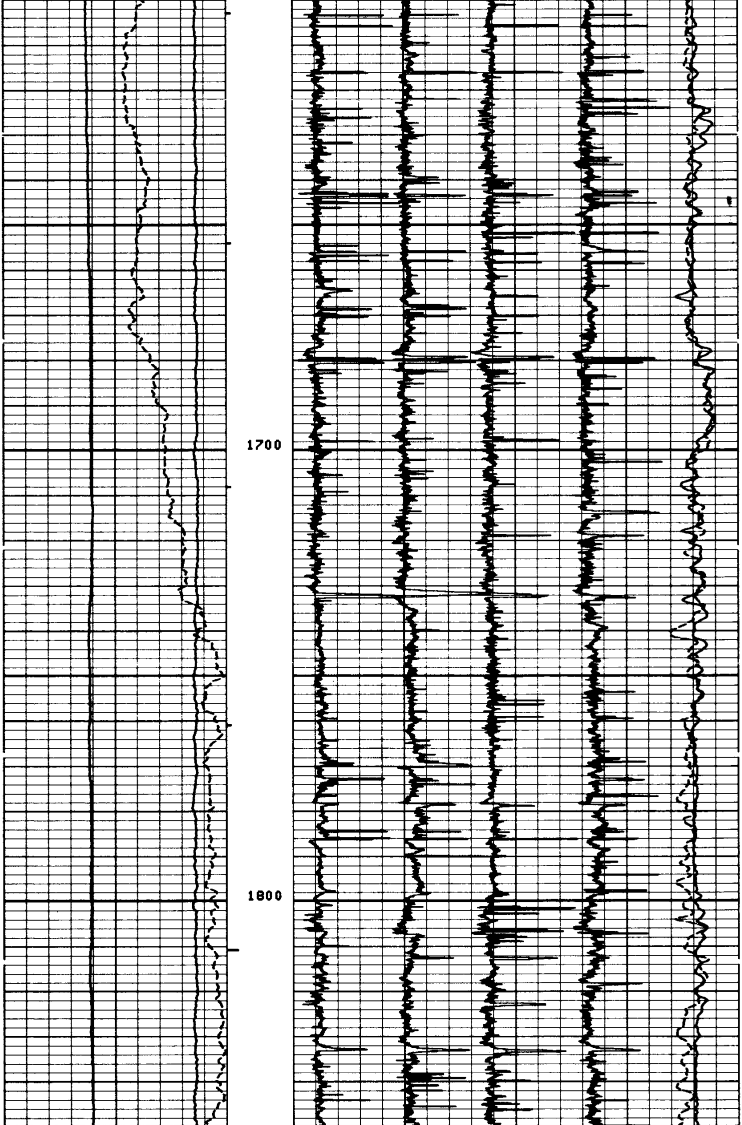


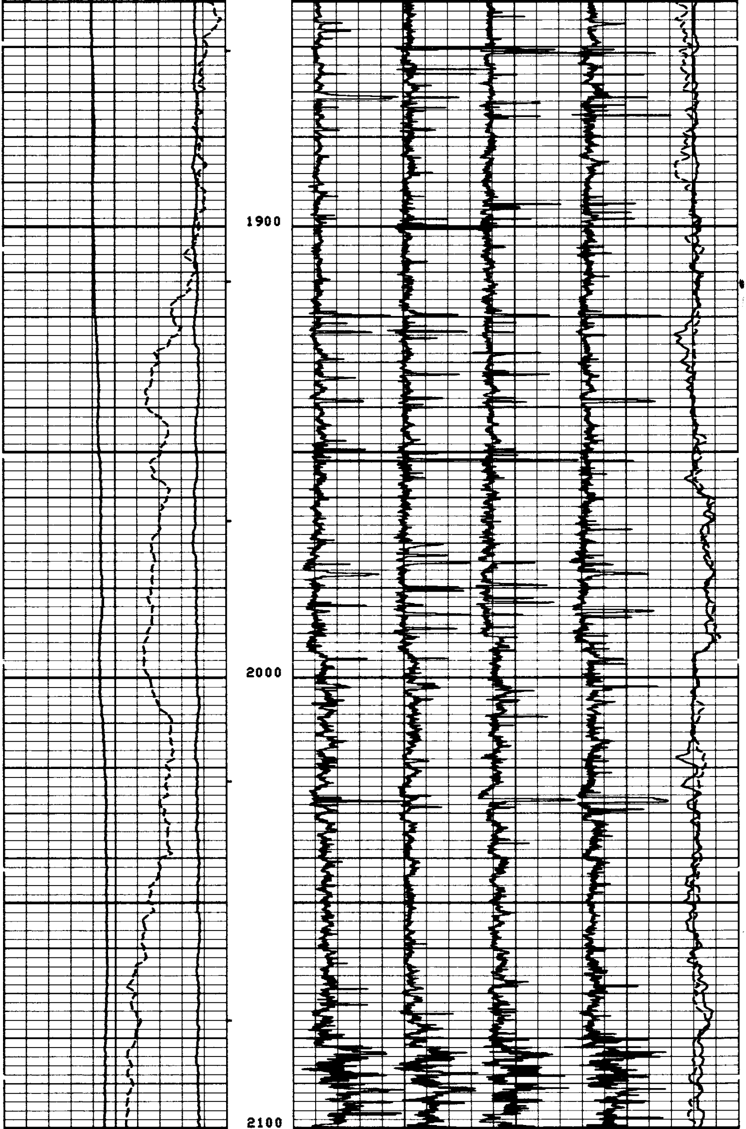


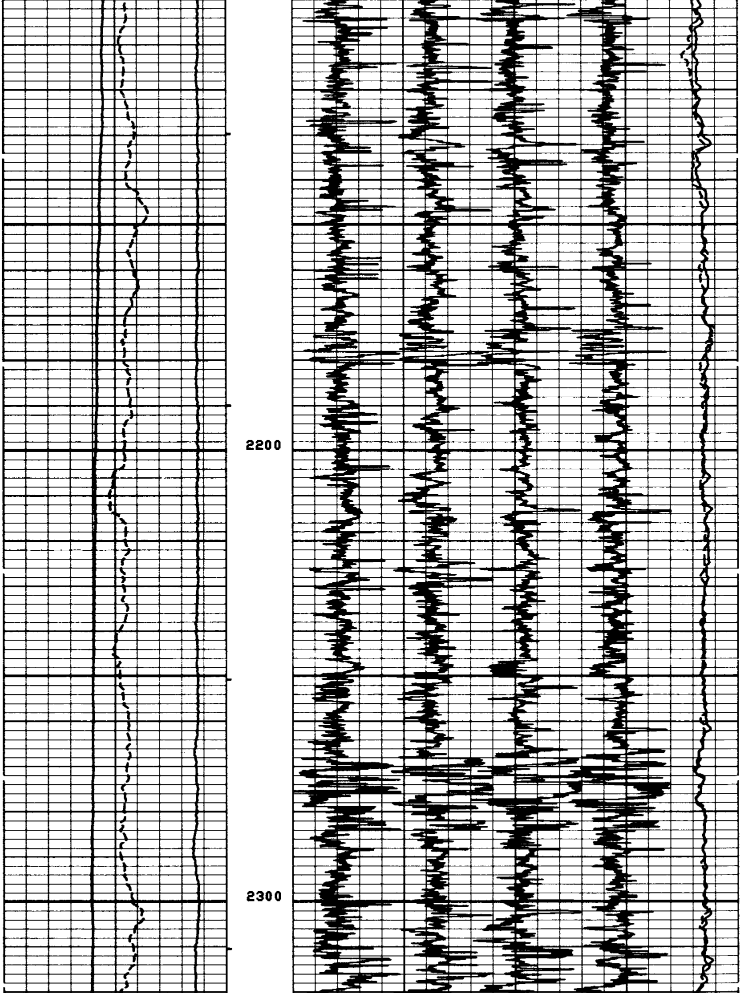


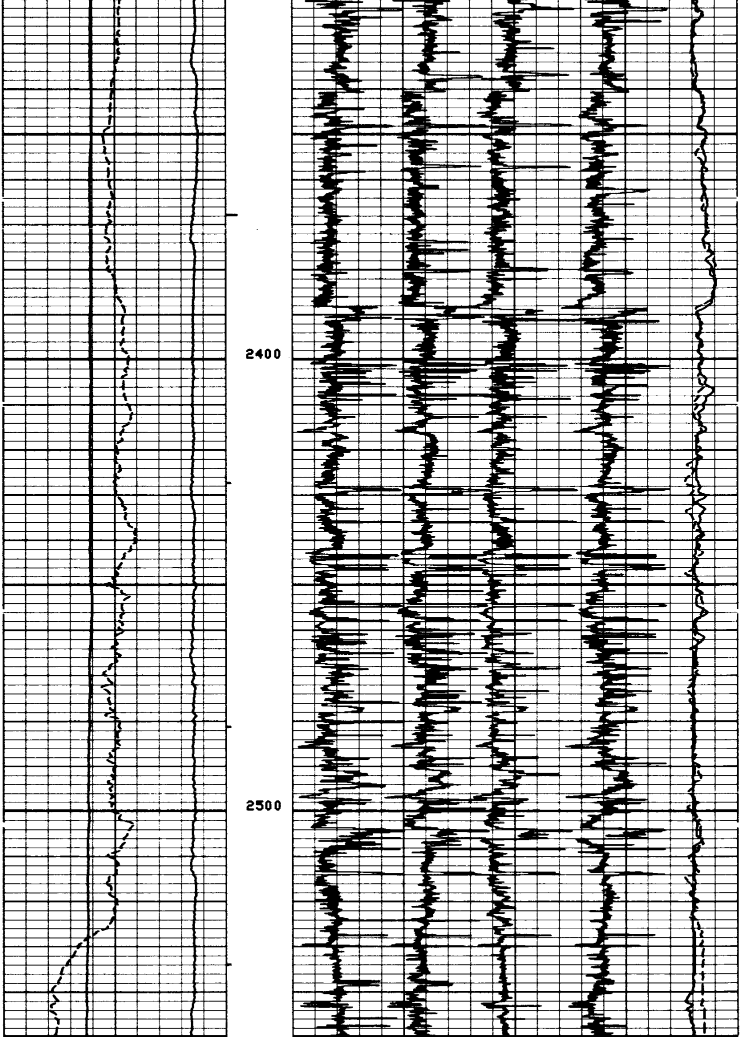


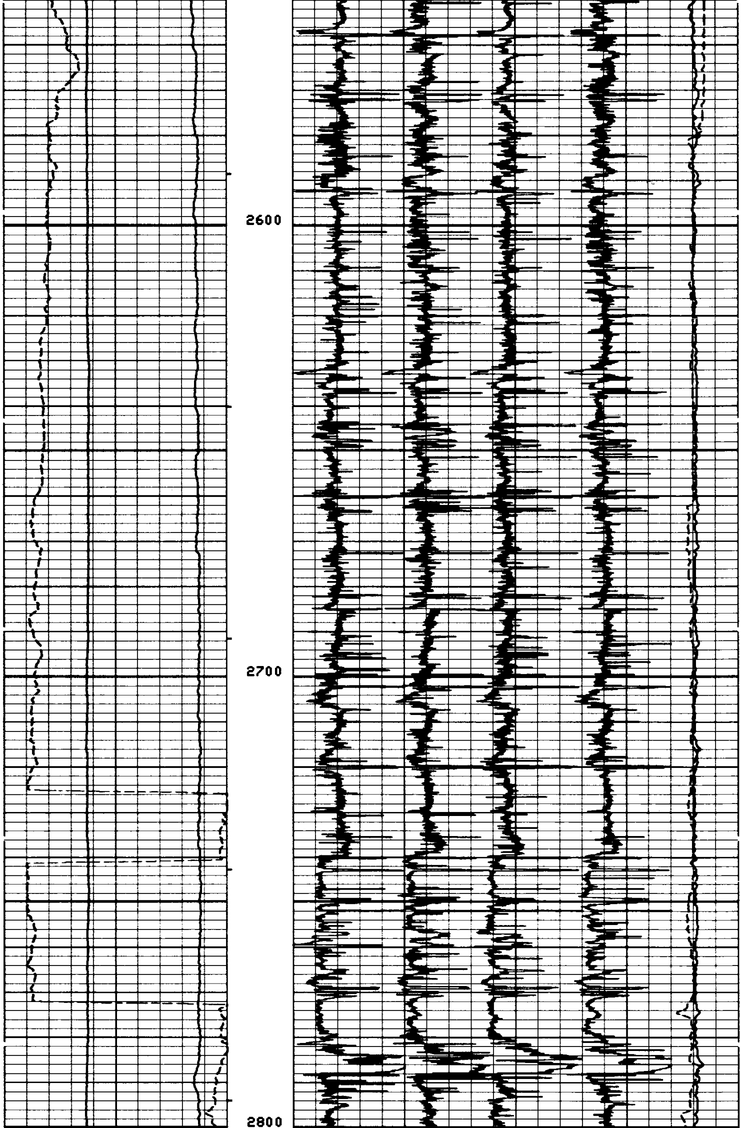


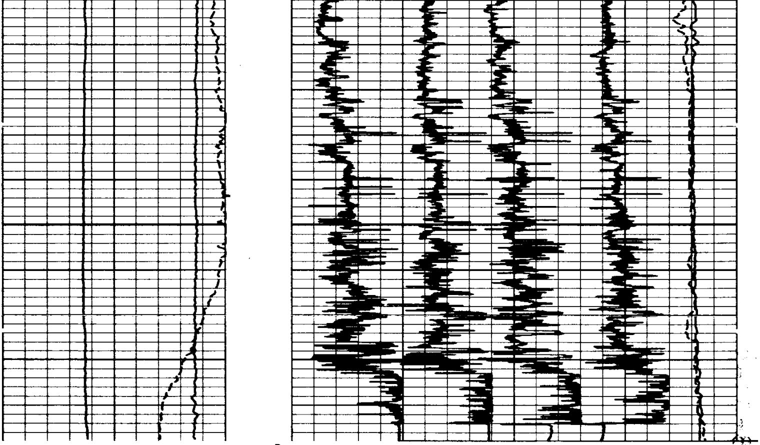








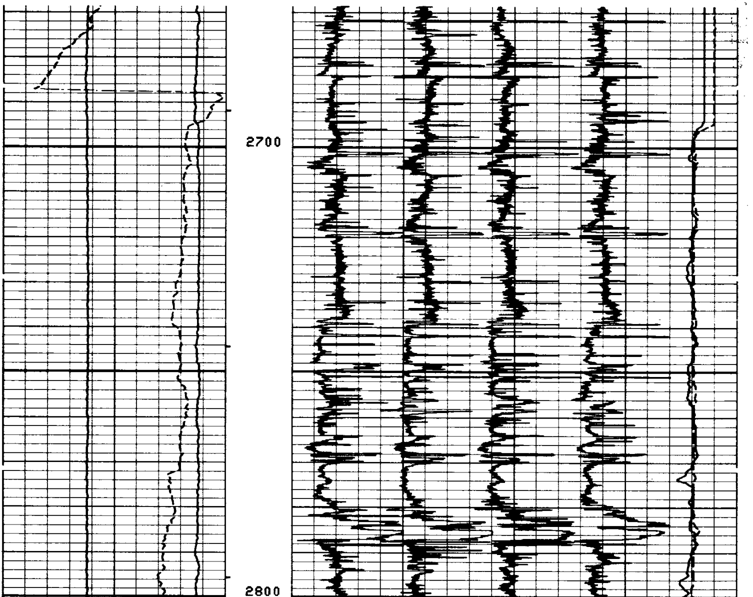


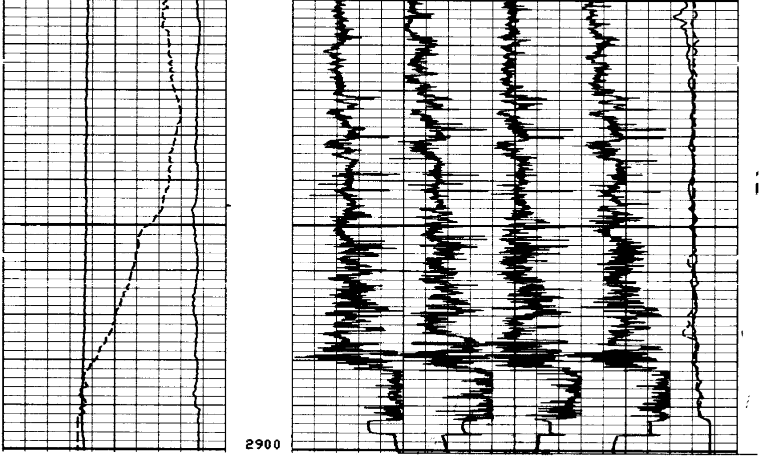


9

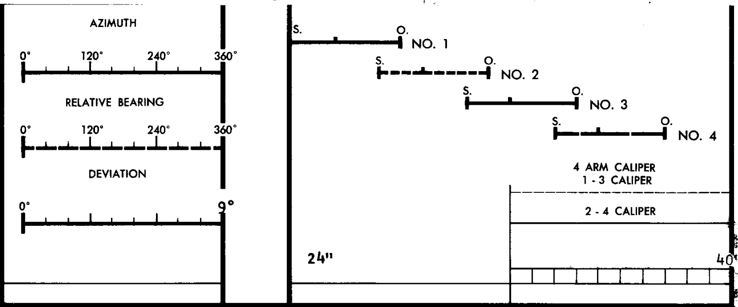
REPEAT SECTION

8





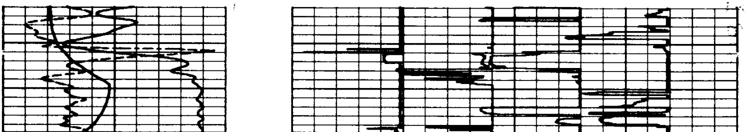
8

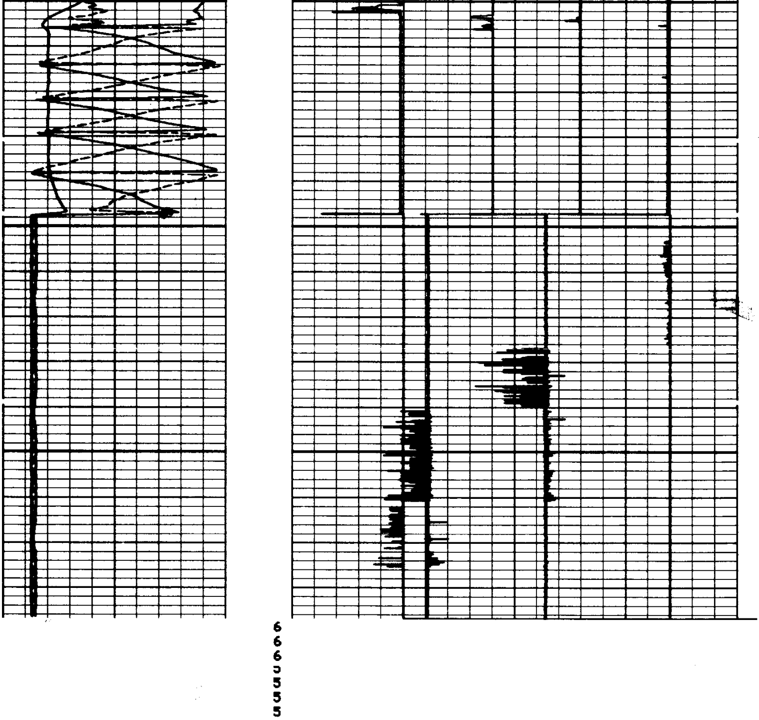


ORIENTATION | DEPTHS | **CORRELATION CURVES**
←CONDUCTIVITY

CALIBRATION RECORD

6





```
                  BEFORE SURVEY CALIBRATION SUMMARY


     PERFORMED:      80/02/01
     PROGRAM FILE:   HDT     (VERSION     14.4     79/09/05)


    HDT                  CALIPER CALIBRATION SUMMARY

                 MEASURED                      CALIBRATED
               SMALL    LARGE               SMALL      LARGE         UNITS
          C1   10.0     14.8                 8.0       12.0           IN
          C2    9.7     14.5                 8.0       12.0           IN
                                  5
```

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL AQP LONGVIEW FIBRE NO. 25-32

FIELD MIST

COUNTY COLUMBIA STATE OREGON

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