COUNTY CROOK
FIELD LOGAN BUTTE
LOCATION 17-19S-20E
WELL LOGAN BUTTE UNIT 17 NO.1
COMPANY TEXACO, INC.

Schlumberger

FOUR - ARM HIGH RESOLUTION CONTINUOUS DIPMETER

COMPANY TEXACO, INC.

WELL Well 17-01 LOGAN BUTTE UNIT 17 NO.1

FIELD LOGAN BUTTE

COUNTY CROOK **STATE** OREGON

LOCATION 1670' SOUTH & 251' EAST FROM THE NORTH QUARTER CORNER

API SERIAL NO.	SEC.	TWP	RANGE
	17	19S	20E

Other Services:
FDC/CNL/GR
DIL
BHC
RFT

Permanent Datum: GL ; Elev.: 5100
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 5112
D.F. --
G.L. 5100

MAR 25 1981

Date	2-1-81			
Run No.	TWO			
Depth—Driller	6505			
Depth—Logger (Schl.)	6490			
Btm. Log Interval	6490			
Top Log Interval	2000			
Casing—Driller	9 5/8" @ 2000	@	@	@
Casing—Logger	2001			
Bit Size	8 1/2"			
Type Fluid in Hole	GEL CYPAN			
Dens. | Visc.	10.6 | 44	|	|	|
pH | Fluid Loss	10 | 8 ml	| ml	| ml	| ml
Source of Sample	CIRCULATION			
Rm @ Meas. Temp.	2.75 @ 63 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	3.8 @ 44 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.84 @ 50 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	M | M	|	|	|
Rm @ BHT	1.1 @ 154 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0600			
TIME Logger on Bottom	1000 2/2			
Max. Rec. Temp.	154 °F	°F	°F	°F
Equip. | Location	8126 | SAC	|	|	|
Recorded By	FINNELL			
Witnessed By	SLATE			

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

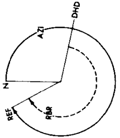
REMARKS: Service Order No. 205742 Magnetic Declination BEND, OREGON
TAPE STARTED AT 6490 BUT FILM BEGINS AT 6400.

Run No.	1	2	3	4
Tool Type	HDT-D			
HDP	1891			
DDR | TTR	-			
DPI	-			
HDM	--			
HDE	--			
HDS	--			
Adapter Head	--			
UG | CG | SAH	--			
5" Film | 10" Film | 60" Record	X			
Analog | Digital	| X			
TIME Circulation Stopped	0600			
TIME Schl. on Bottom	1000			

ROLL NO.	INTERVAL

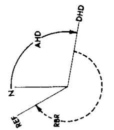
TOOL AZIMUTH AND HOLE DIRECTION CALCULATION DEFINITIONS

(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 ☐

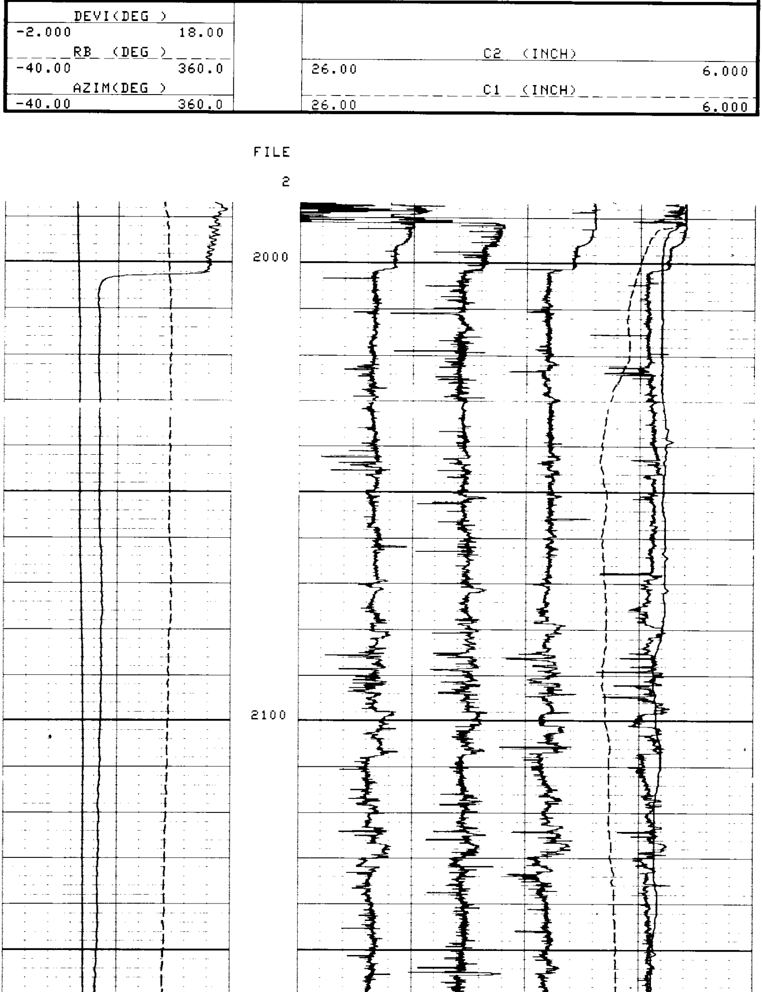
EXAMPLE
HDM - High Angle Unit (0-72°)
AHD (solid curve) = 100°
RBR (dotted curve) = 230°
AZI = AHD + RBR = 100° + 230° = 330°

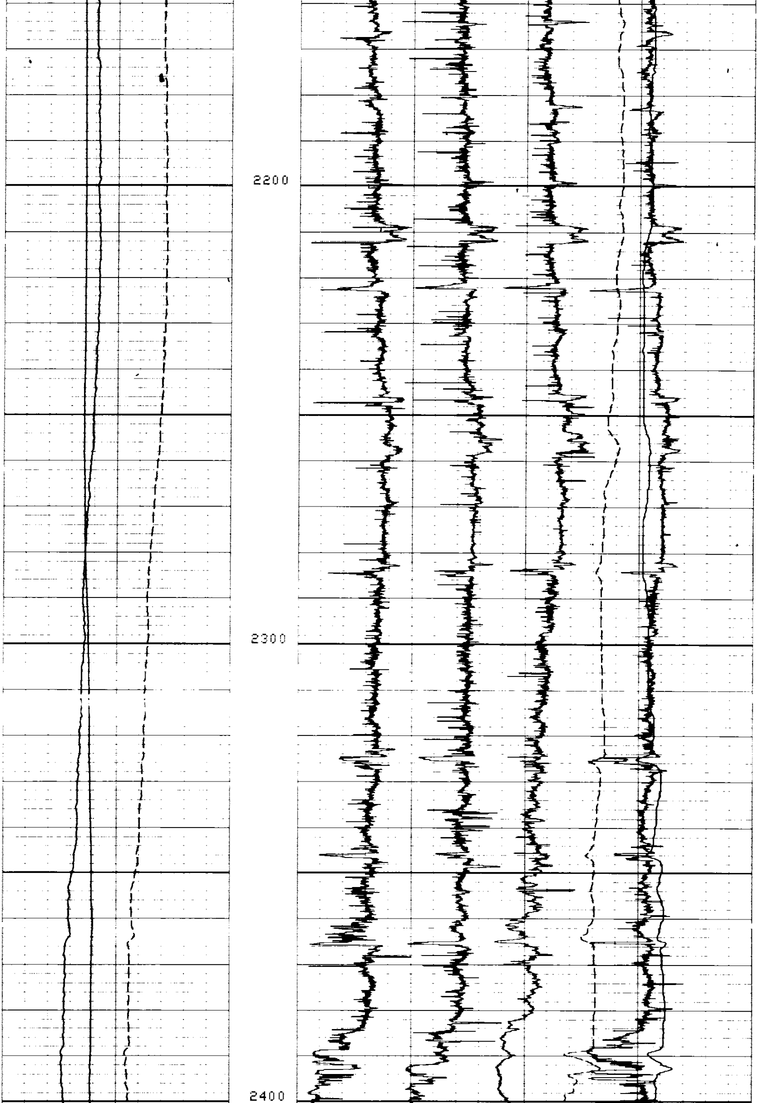
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

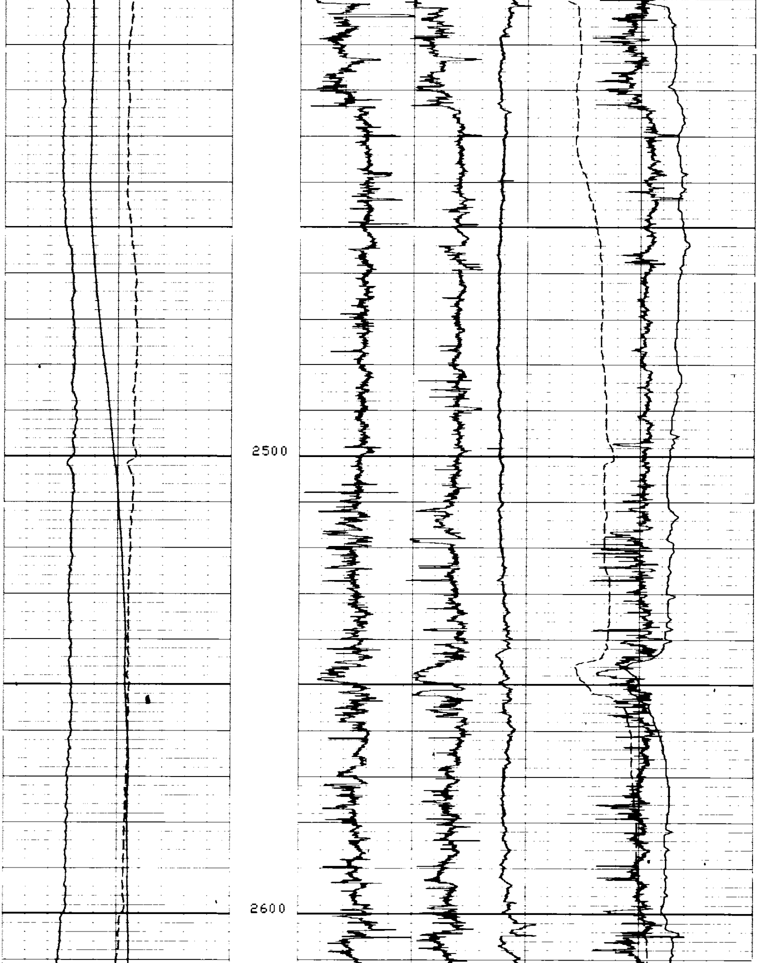
ORIENTATION	DEPTHS	CORRELATION CURVES ←CONDUCTIVITY

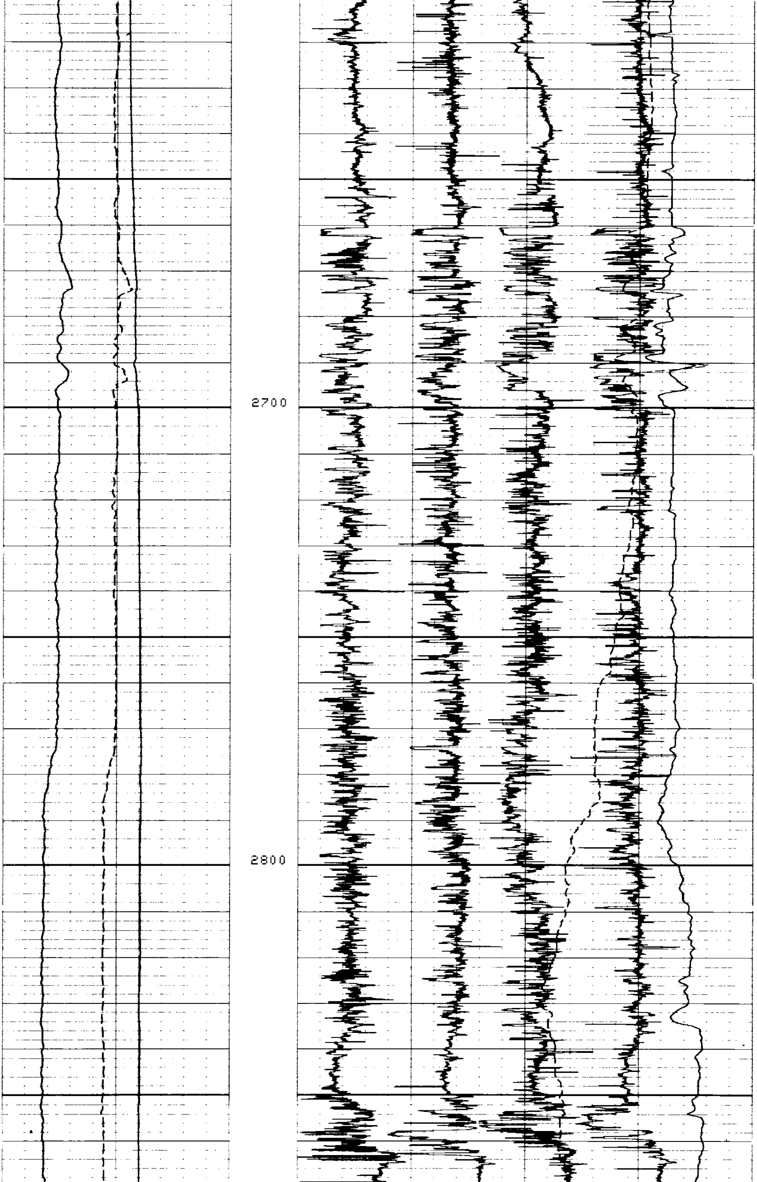
PARAMETERS

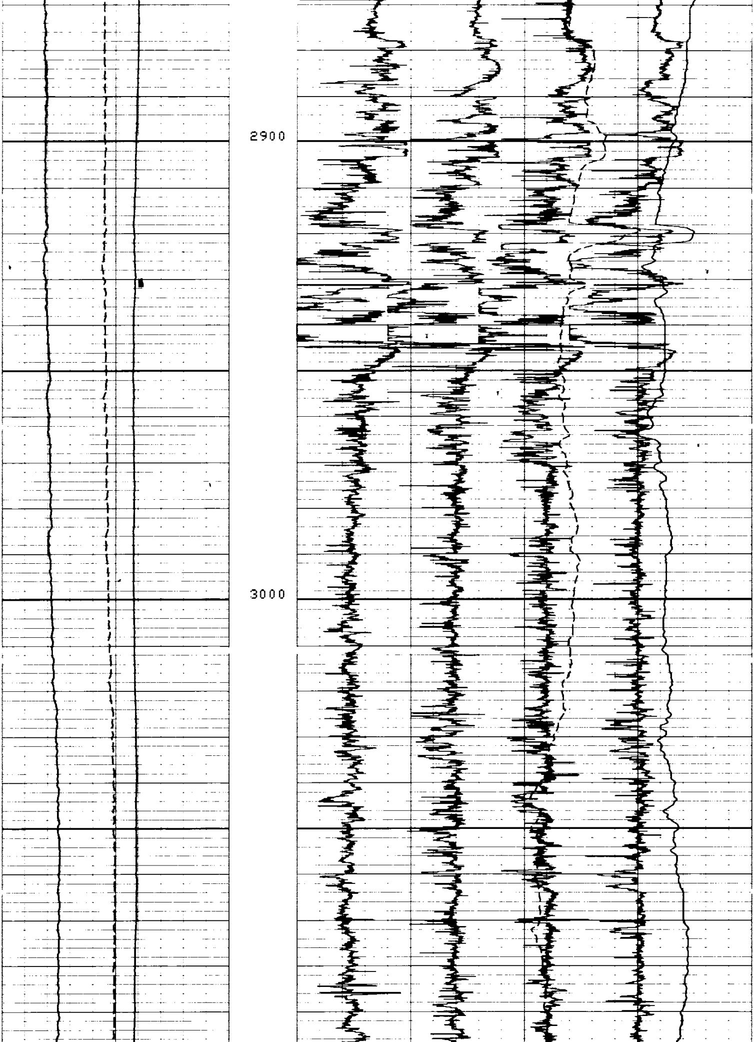
NAME	UNIT	VALUE	NAME	UNIT	VALUE	NAME	UNIT	VALUE
STYP		STAN	MCT	DEG	36	BS	INCH	8.500
DO		0.0	BHS		OPEN	FPHI		PHIX

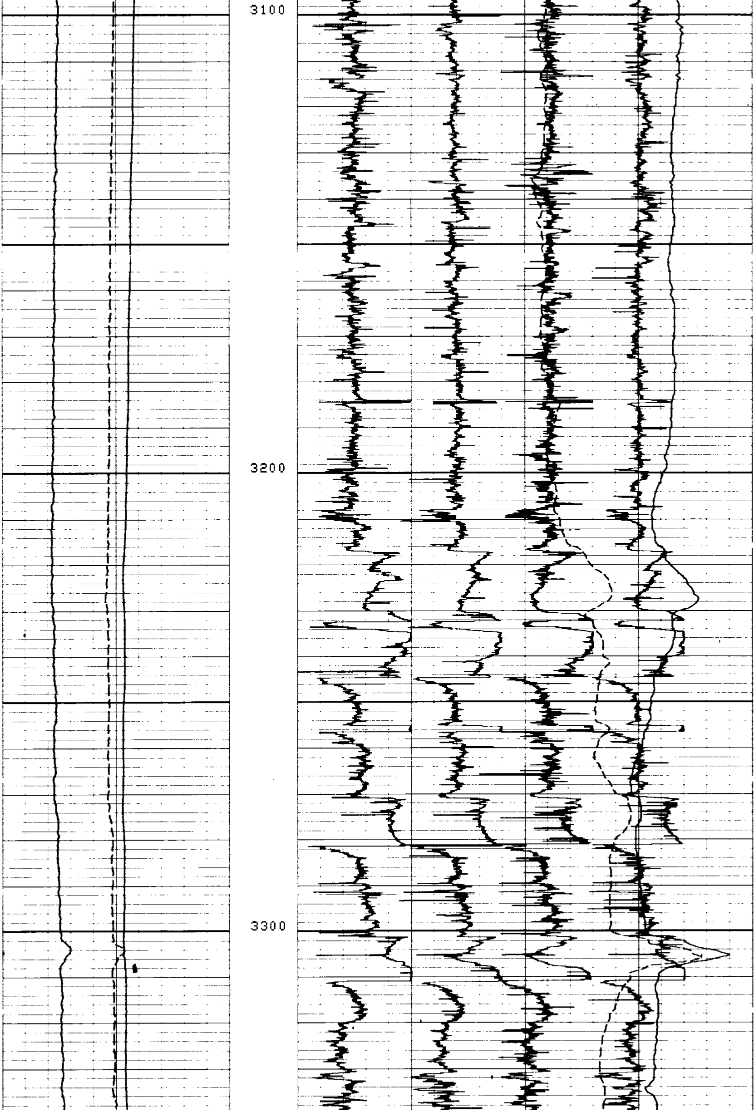


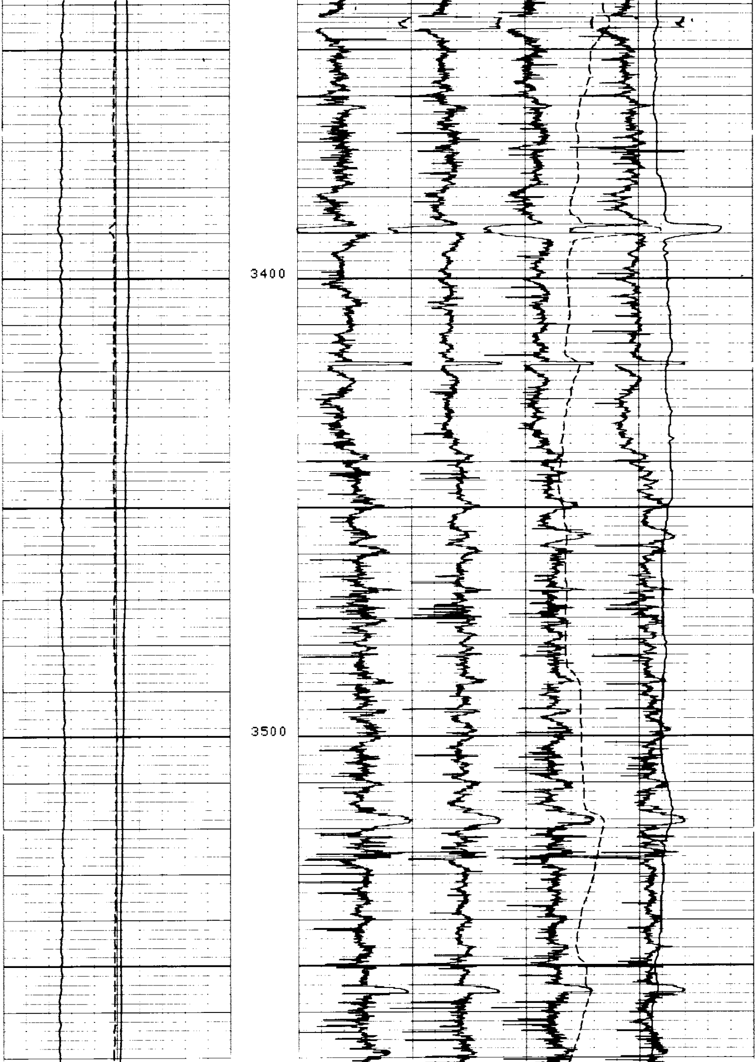


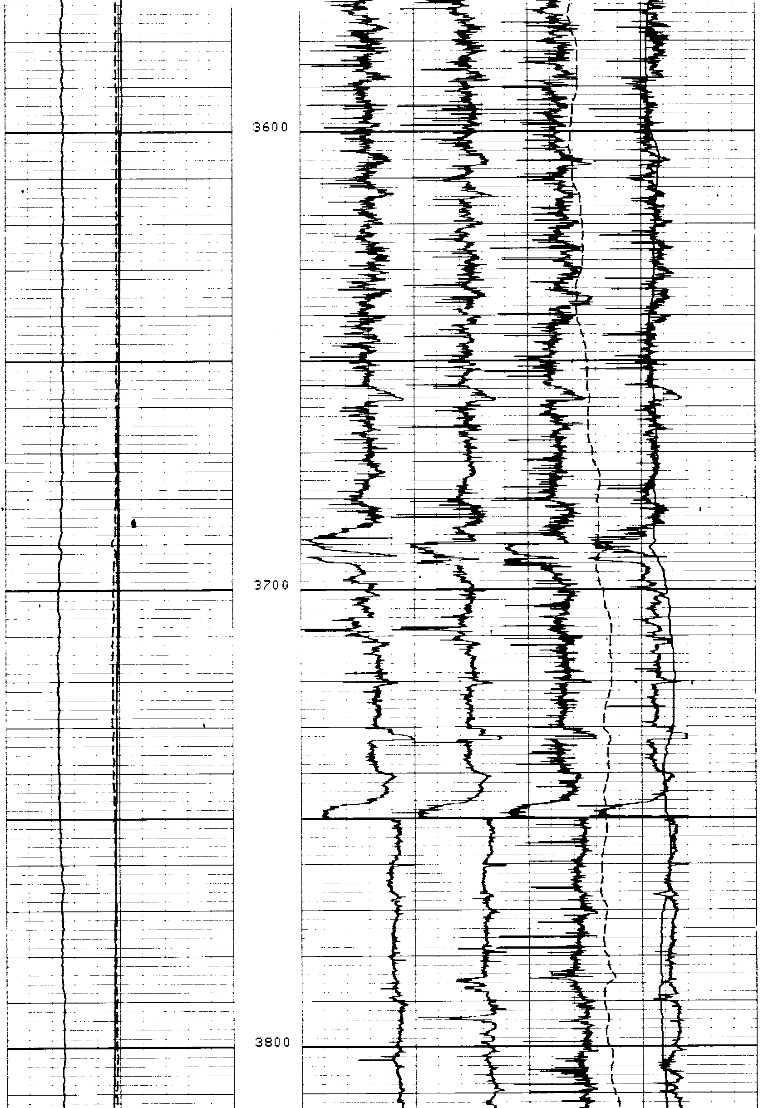


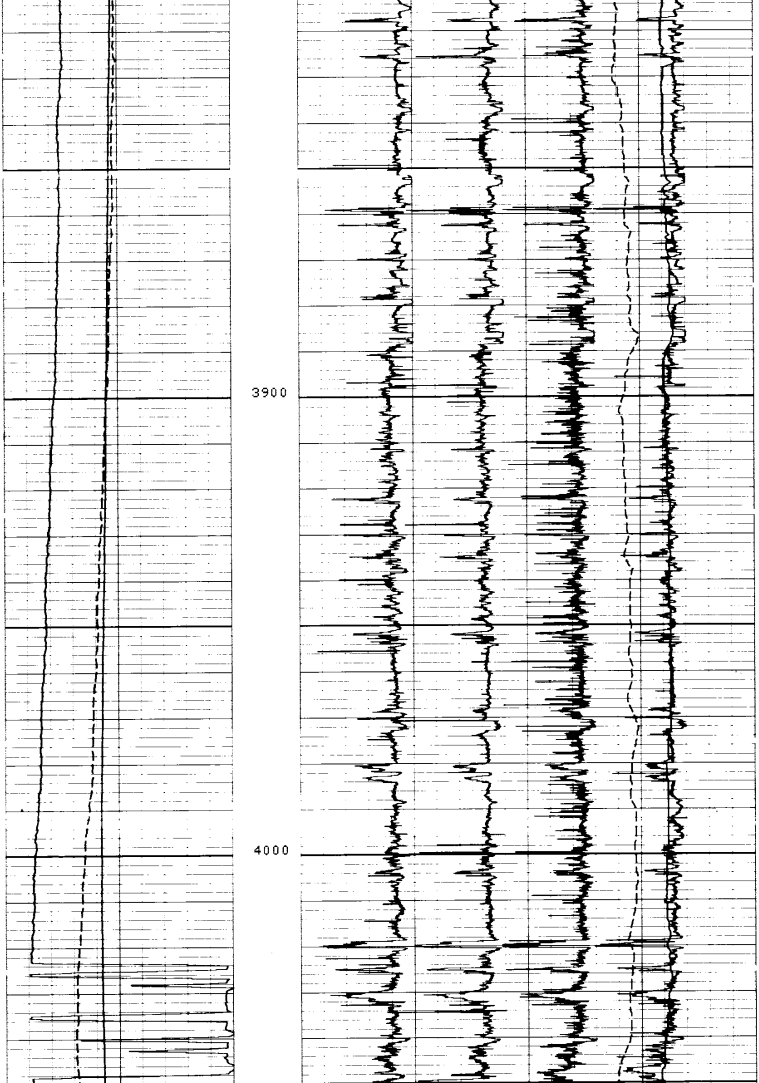


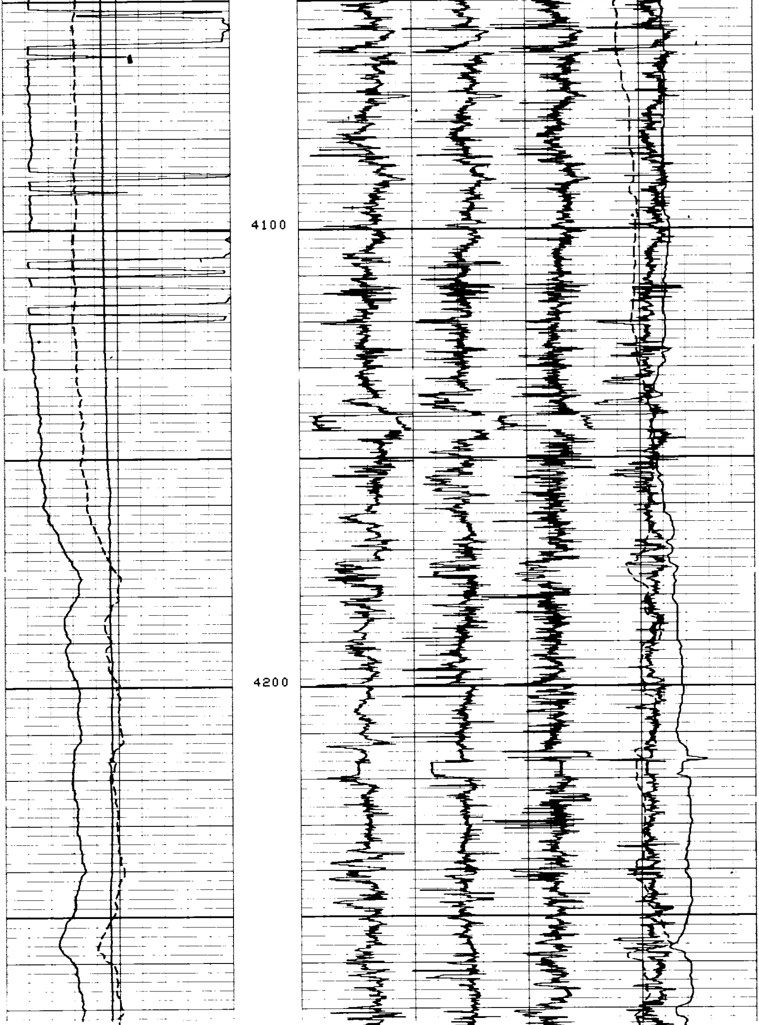


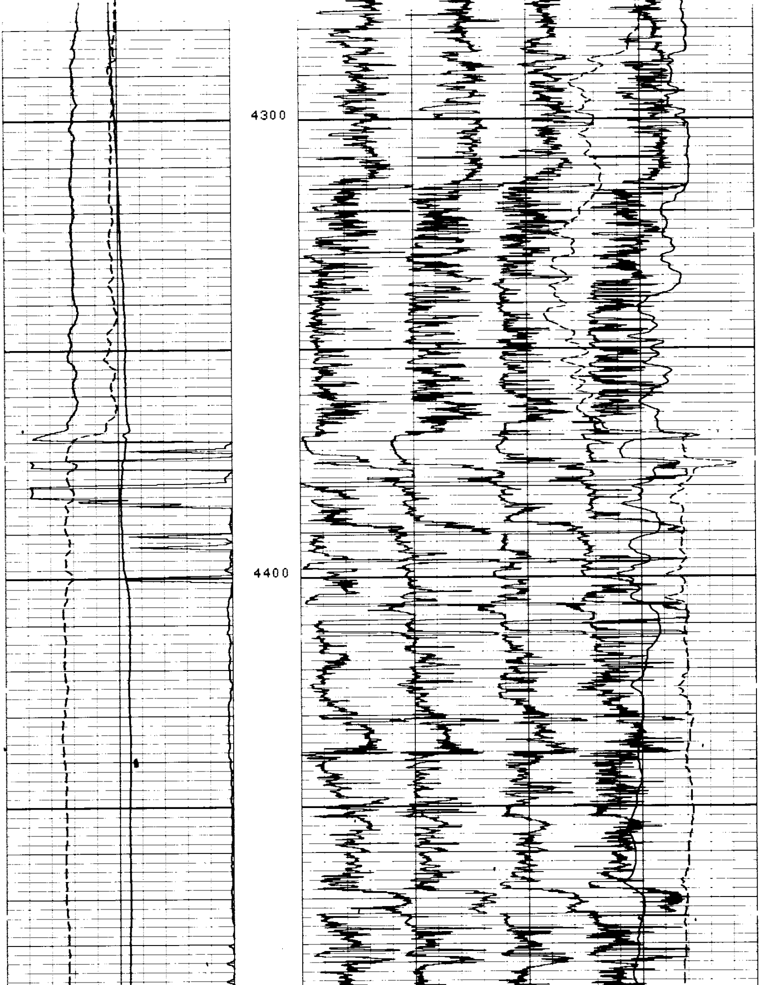


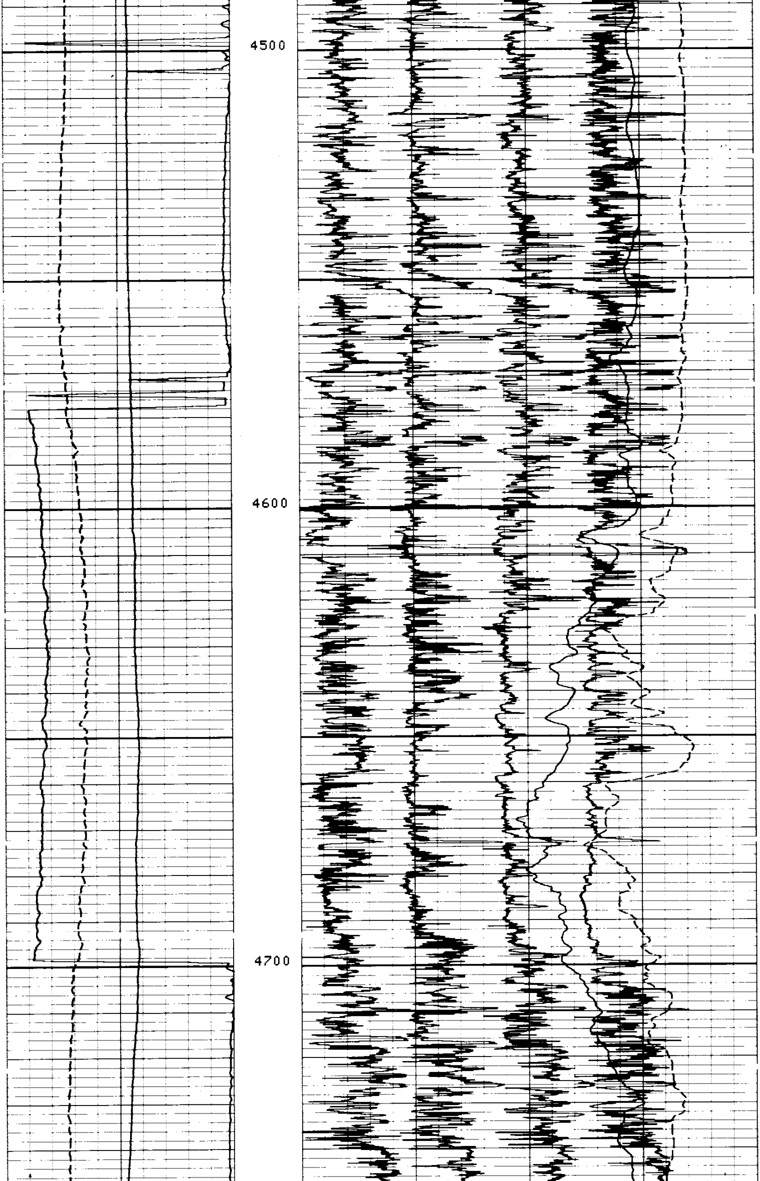


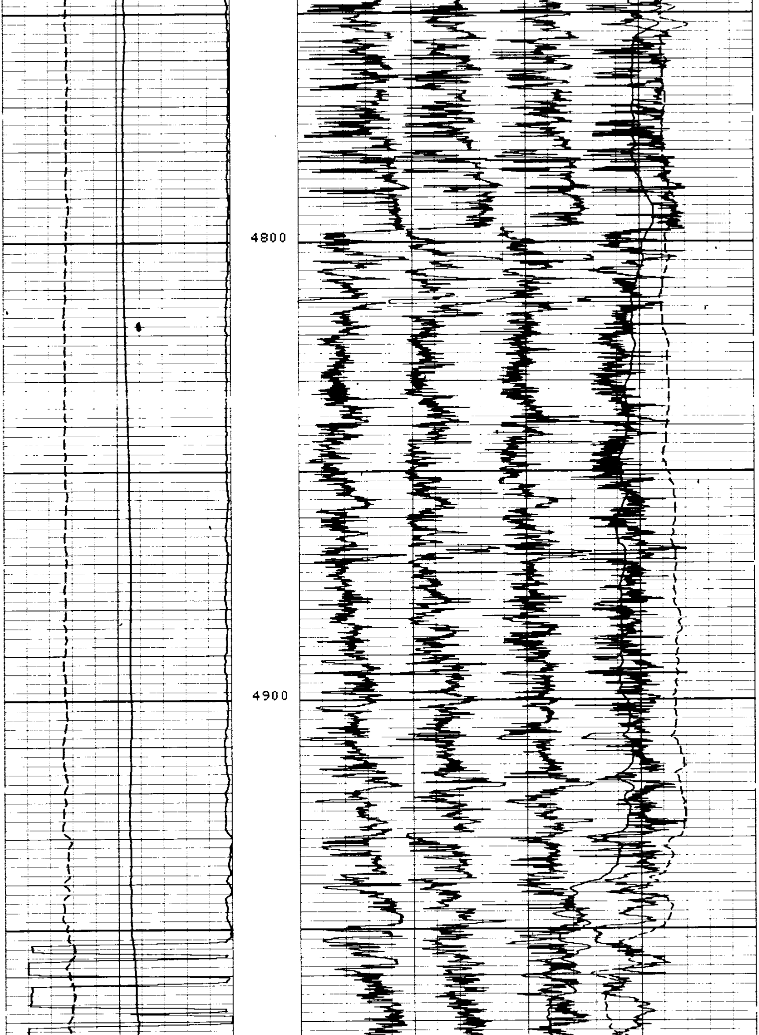


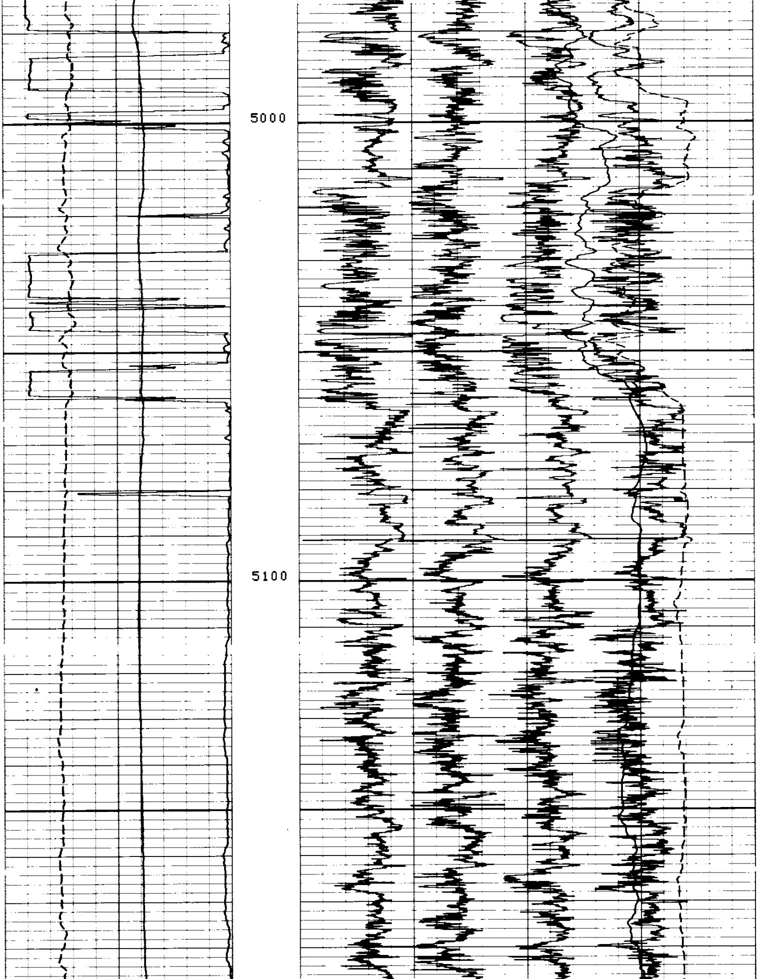


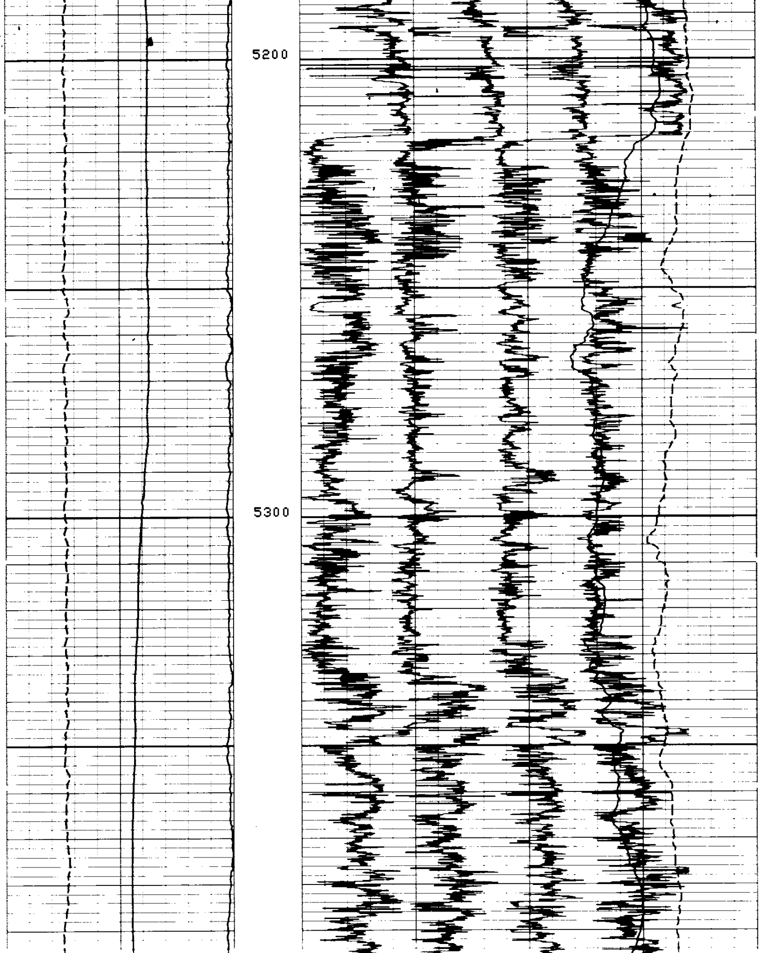


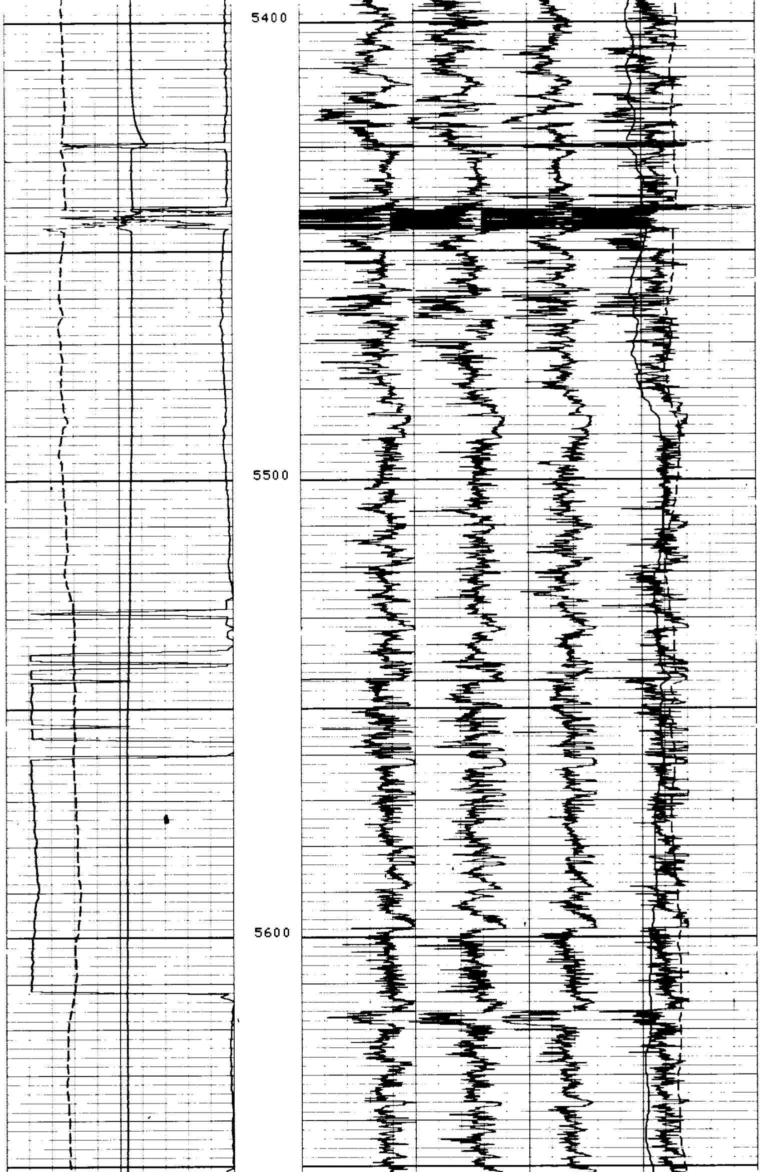


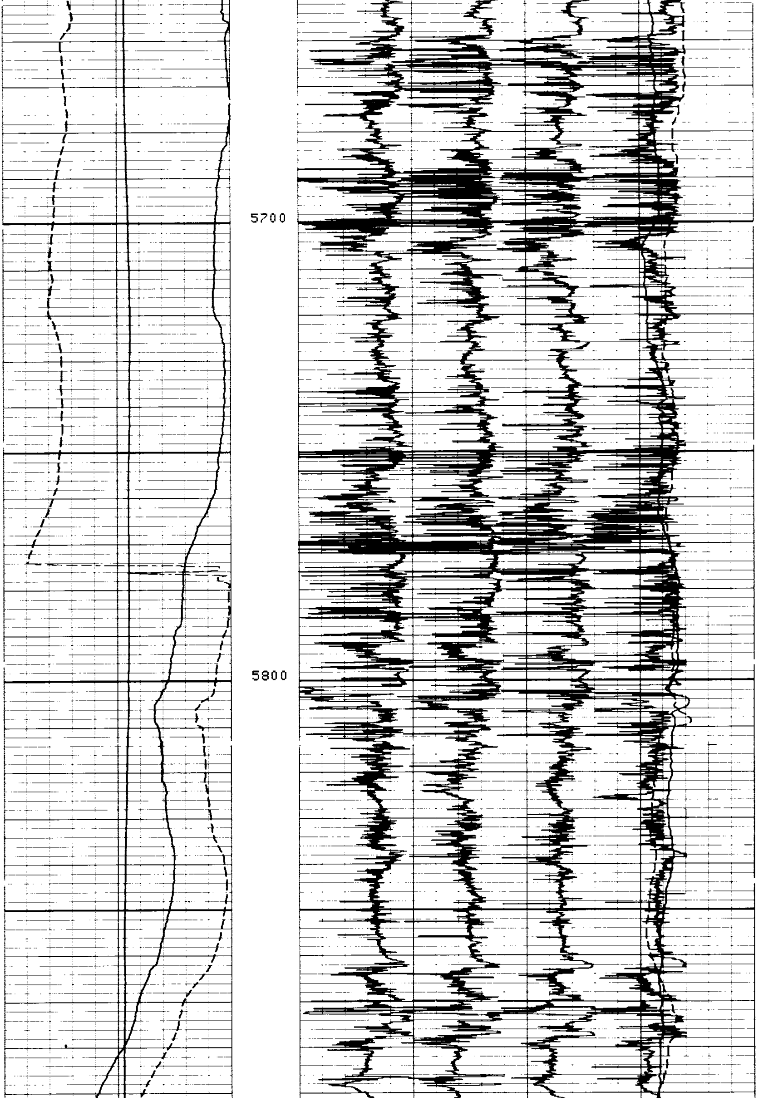


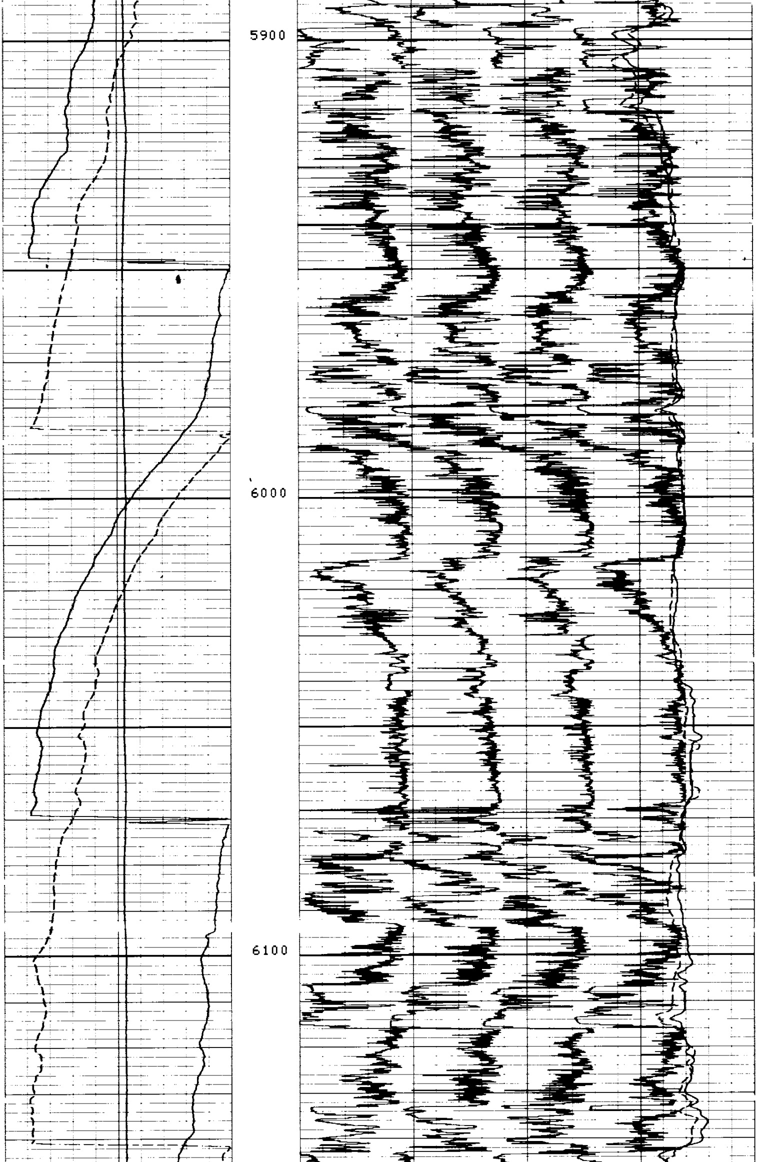


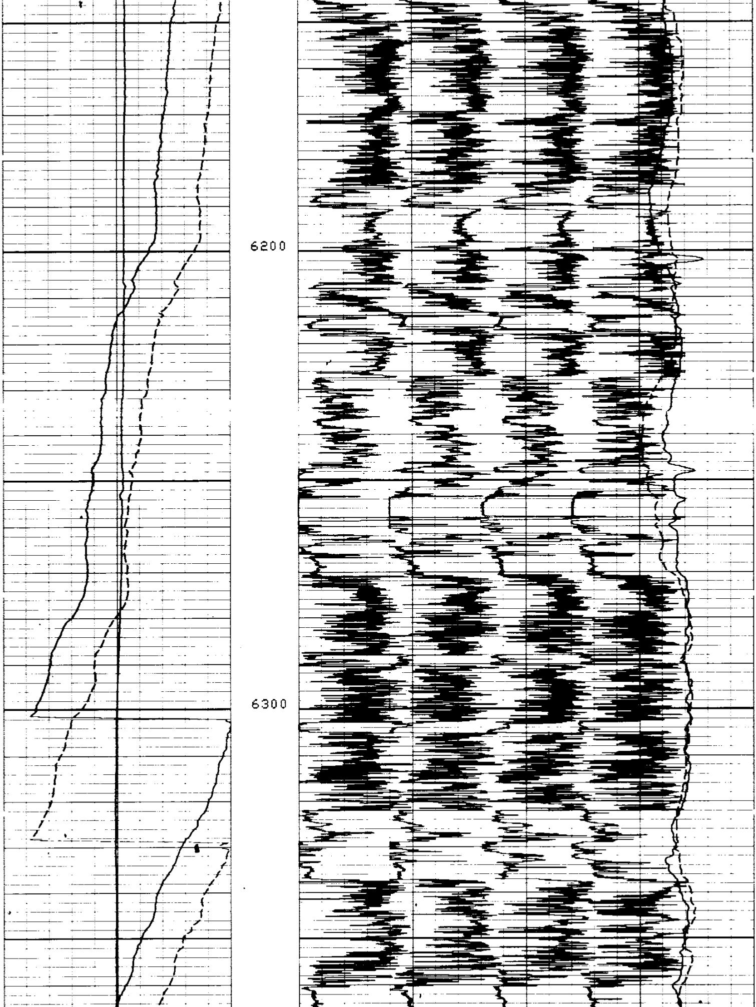


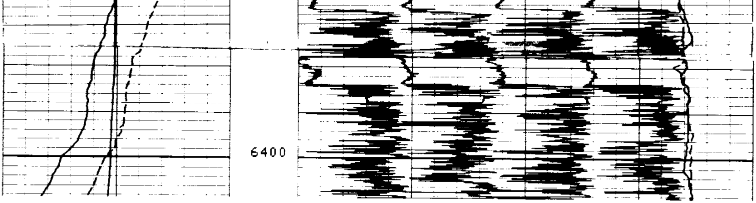












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                 BEFORE SURVEY CALIBRATION SUMMARY


     PERFORMED:      81/02/01
     PROGRAM FILE: HDT    (VERSION    18.2    80/ 4/29)


   HDT               CALIPER CALIBRATION SUMMARY

               MEASURED                     CALIBRATED
             SMALL    LARGE               SMALL      LARGE        UNITS
      C1      6.5     13.4                 6.0       12.0          IN
      C2      6.4     13.3                 6.0       12.0          IN
                         FILE

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ORIENTATION	DEPTHS	CORRELATION CURVES ←CONDUCTIVITY

COMPANY TEXACO, INC.

WELL LOGAN BUTTE UNIT 17 NO.1

FIELD LOGAN BUTTE

COUNTY CROOK STATE CALIFORNIA

ROLL NO. ________

DEPTH INTERVAL THIS ROLL

________ To ________

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