Schlumberger

BULK DENSITY - PEF 5"

CSU Field Log

COMPANY: ARCO EXPLORATION COMPANY

WELL: BANZER #34-16

FIELD: MIST-WILDCAT
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 90'N & 1992'W OF SE COR

SEC: 16 TWP: 6N RGE: 5W

RECEIVED - PTLD
APR 17 1985
DEPT. OF GEOLOGY & MINERAL INDUS.

OTHER SERVICES-
DIL
DIGITAL SONI
HDT
WST
CST

API SERIAL NO:
36 009 001

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 577.0 F
LOG MEASURED FROM: KB
13.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS
KB: 590.0 F
DF: 589.0 F
GL: 577.0 F

PROGRAM
TAPE NO:
25.002
SERVICE
ORDER NO:
436414

DATE: 16 APR 85
RUN NO: 1

DEPTH-DRILLER: 4914.0 F
DEPTH-LOGGER: 4902.0 F
BTM. LOG INTERVAL: 4899.0 F
TOP LOG INTERVAL: 964.0 F

CASING-DRILLER: 966 F
CASING-LOGGER: 964 F
CASING: 9 5/8"
WEIGHT: 36.00 LB/F
BIT SIZE: 8 3/4"
DEPTH: 4914 F

TYPE FLUID IN HOLE: [illegible]
DENSITY: 10.3 LB/G
VISCOSITY: 44.0 S
PH: 9.5
FLUID LOSS: 4.8 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 3.170 OHMM AT 93.0 DEGF
RMF: 2.350 OHMM AT 64.0 DEGF
RMC: 1.370 OHMM AT 67.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 2.300 OHMM AT 117. DEGF
RMF AT BHT: 1.431 OHMM AT 117. DEGF
RMC AT BHT: .838 OHMM AT 117. DEGF

TIME CIRC. STOPPED: 13:30 4.15
TIME LOGGER ON BTM.: 21:45 4.15

MAX. REC. TEMP: 117.0 DEGF

LOGGING UNIT NO: 8188
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAHER
WITNESSED BY: BUIKEMA

REMARKS:

CHLORIDES: 500PPM
LDT,CNL,AND NGT WERE RUN IN COMBINATION.

EQUIPMENT NUMBERS-

DRS 4775	NSC 1955	PGS 8848	CNC 88
NGD 1798	NGC 1798	SGC 2381	TCM 670

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.

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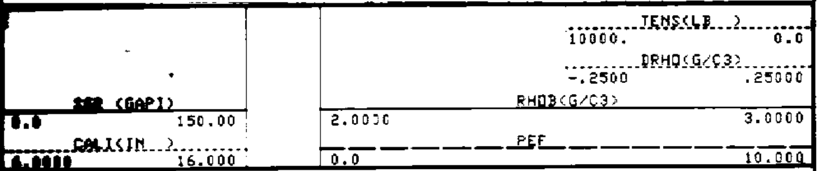
DATA ACQUIRED   15-APR-85 23:41



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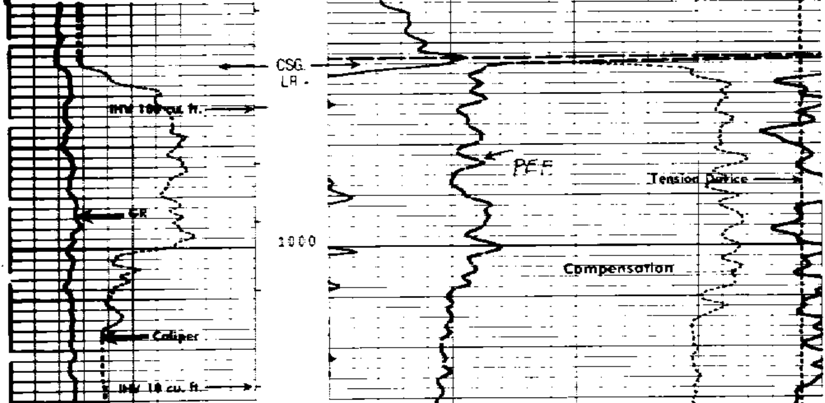

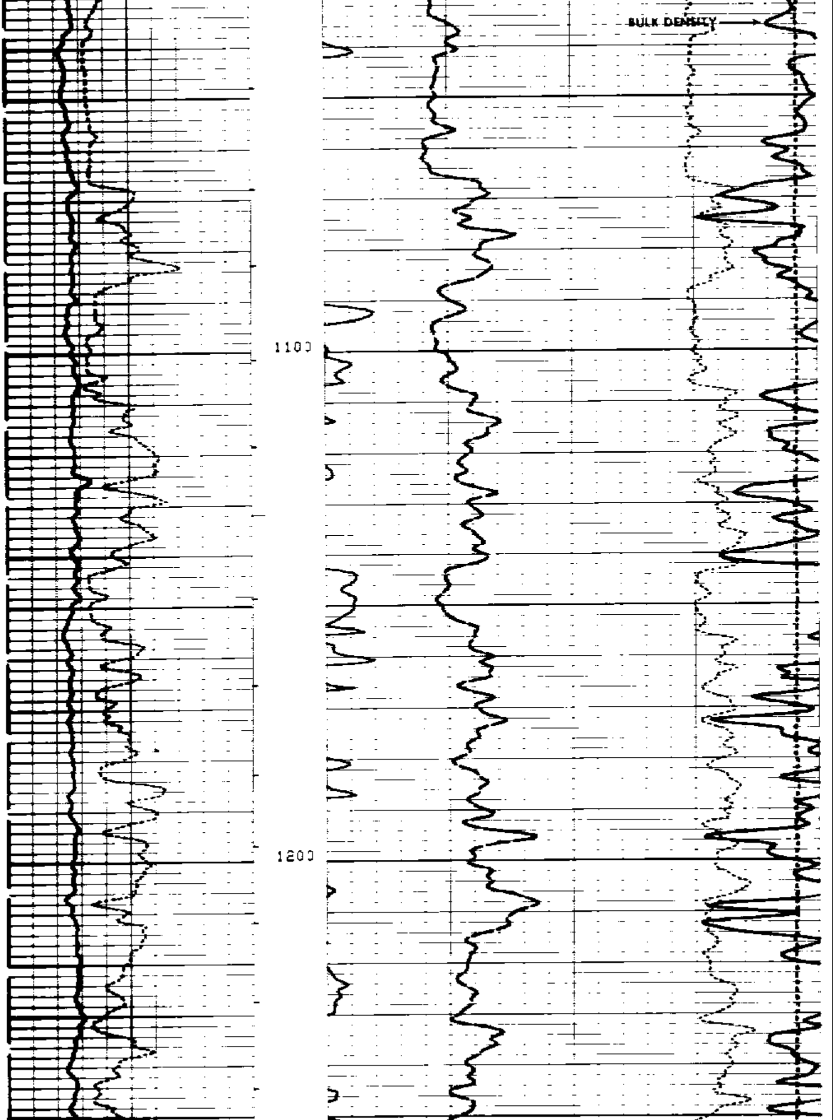

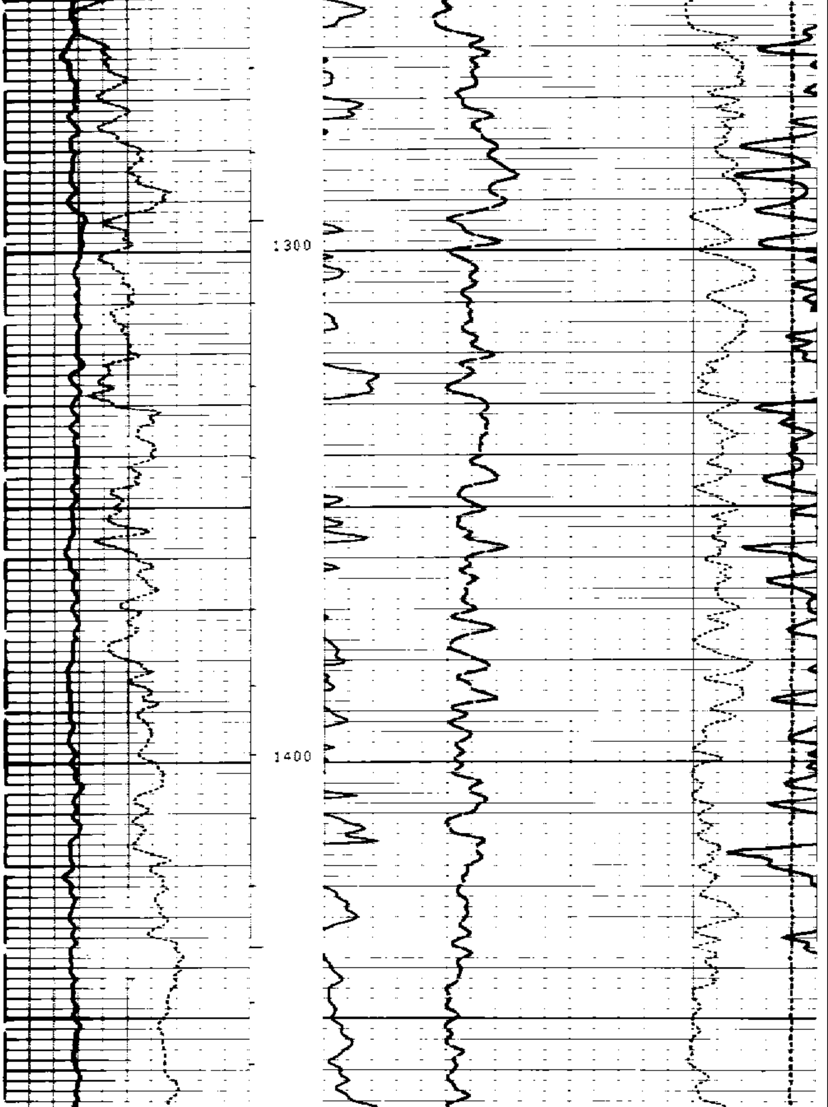

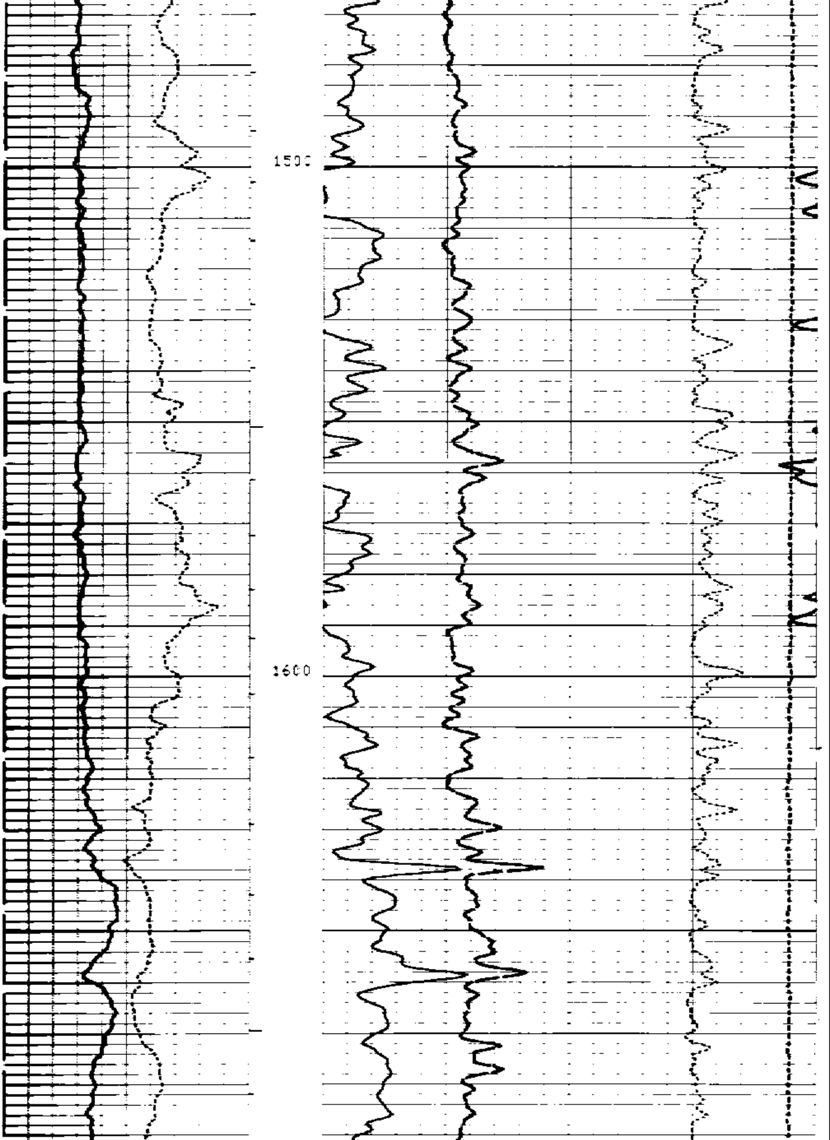

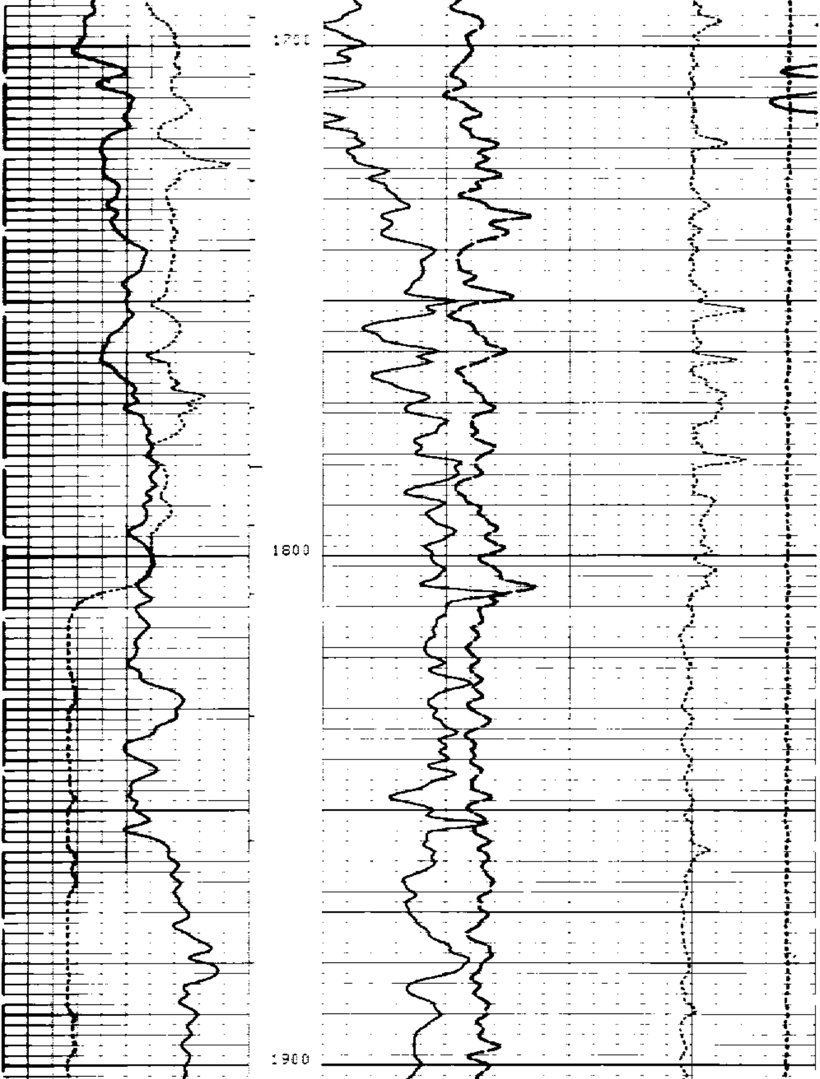

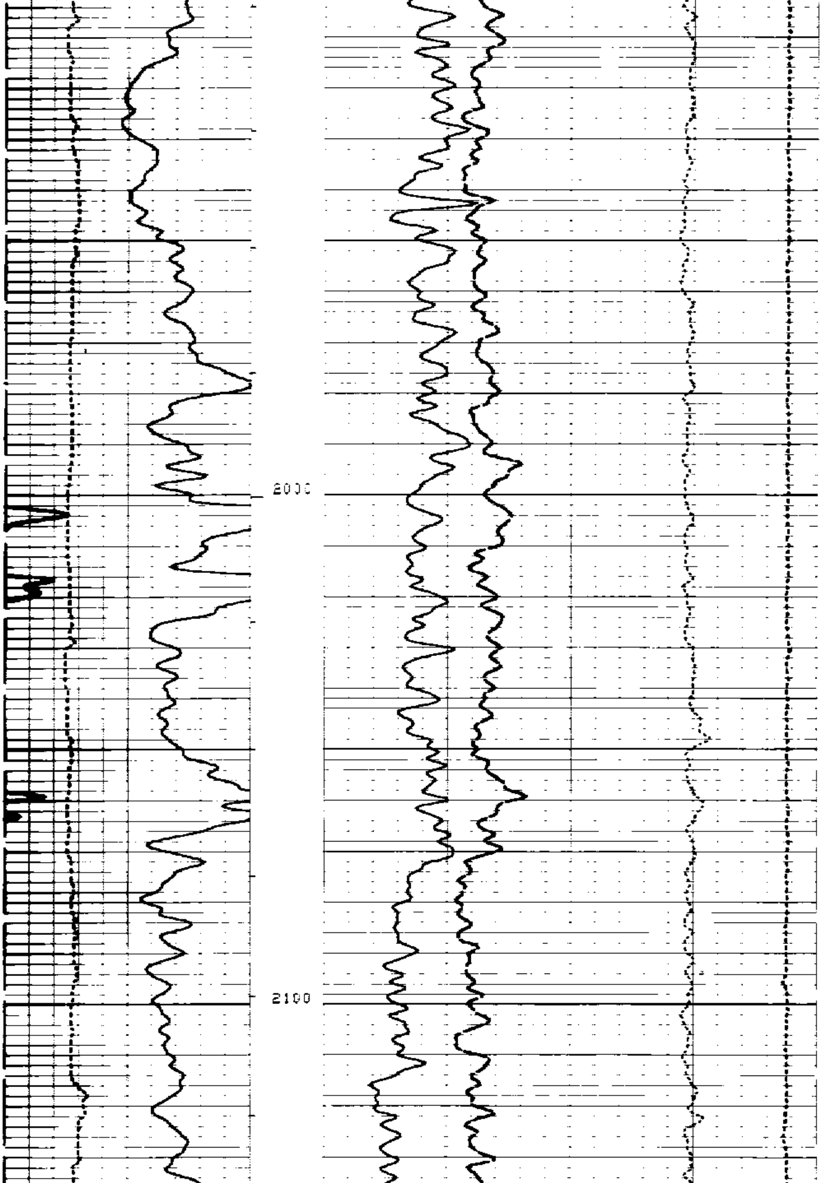

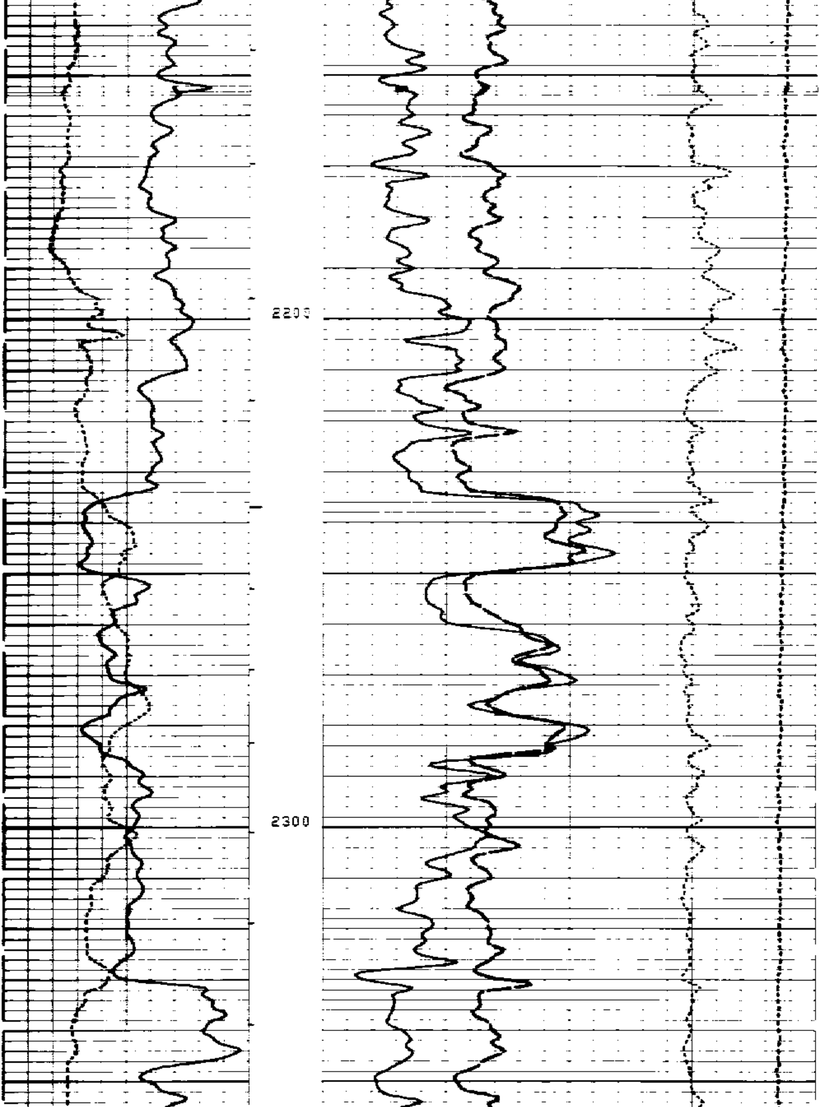

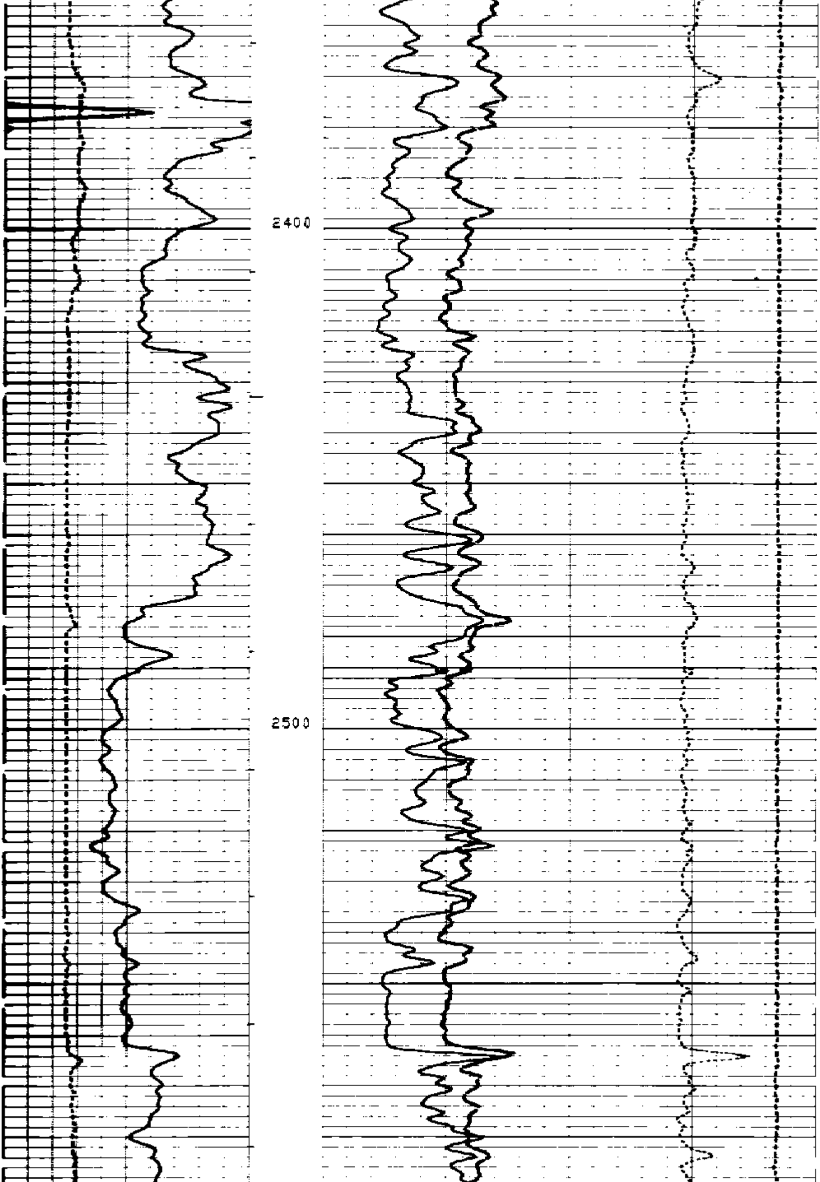

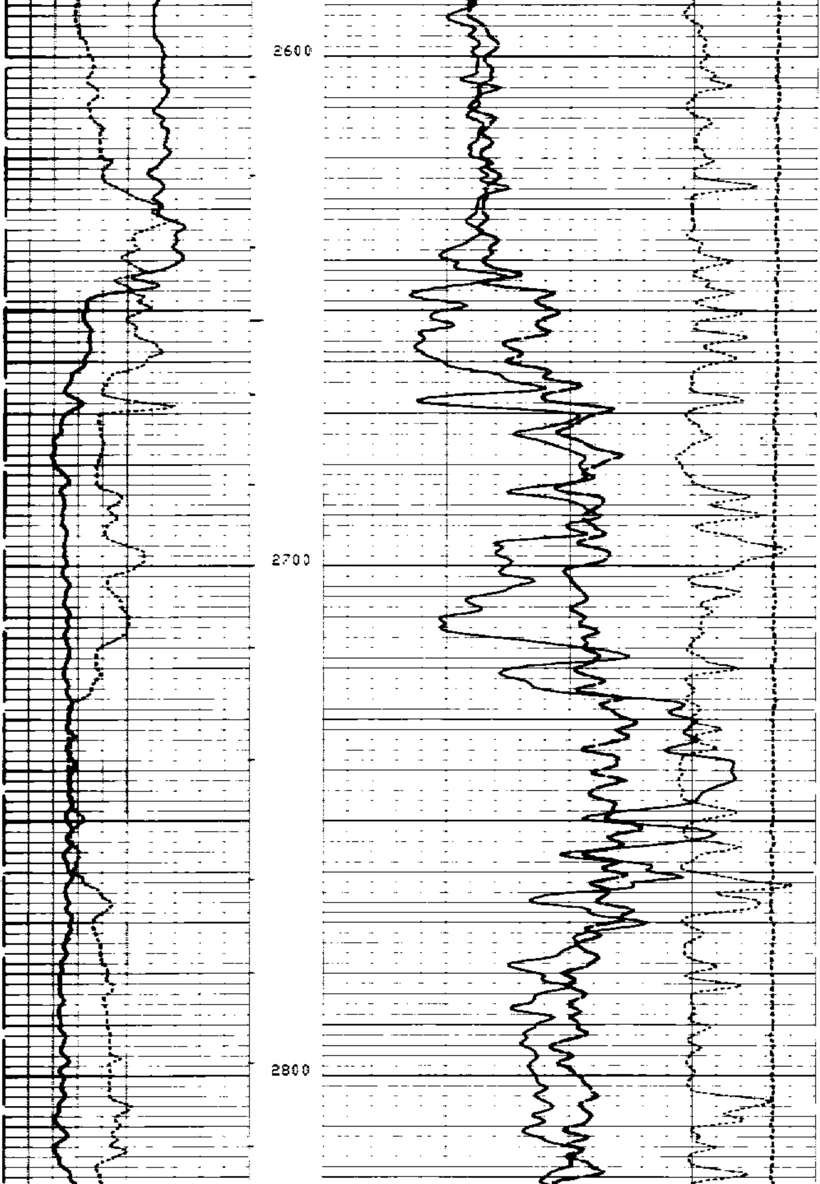

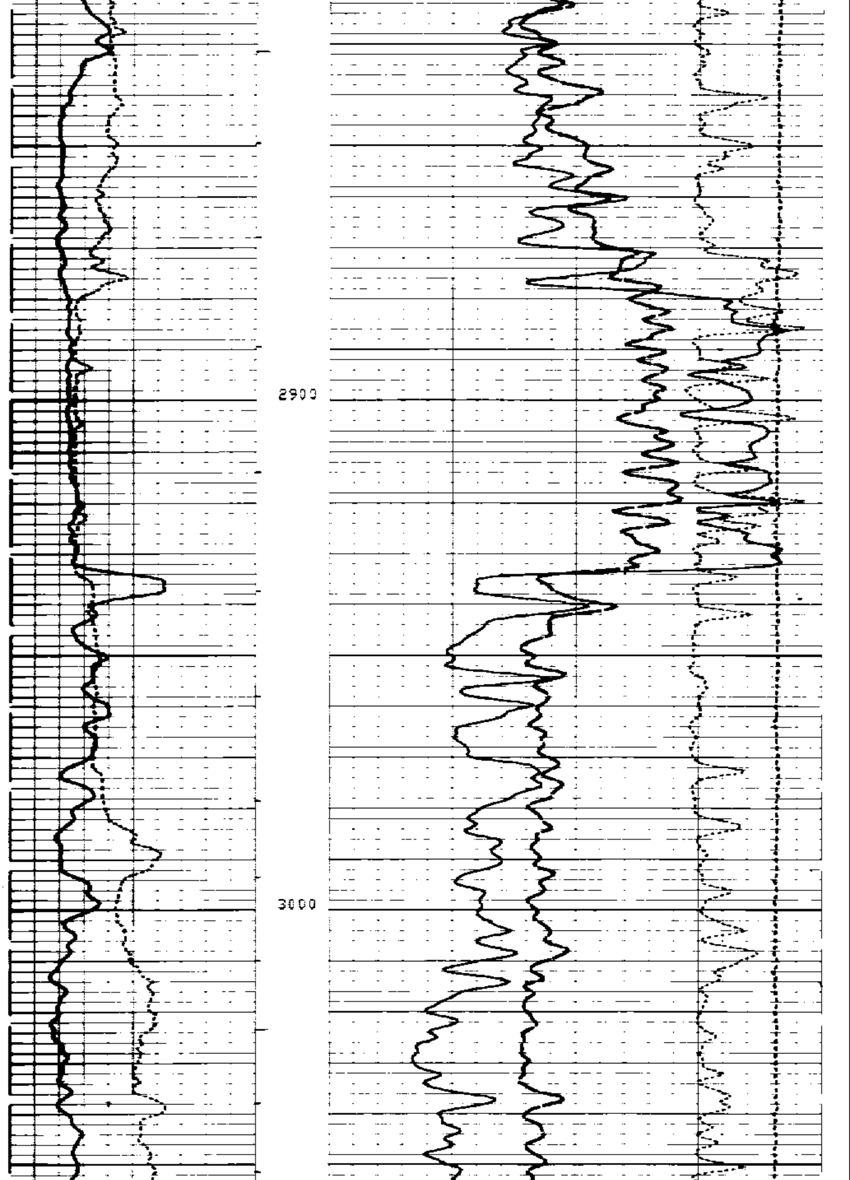

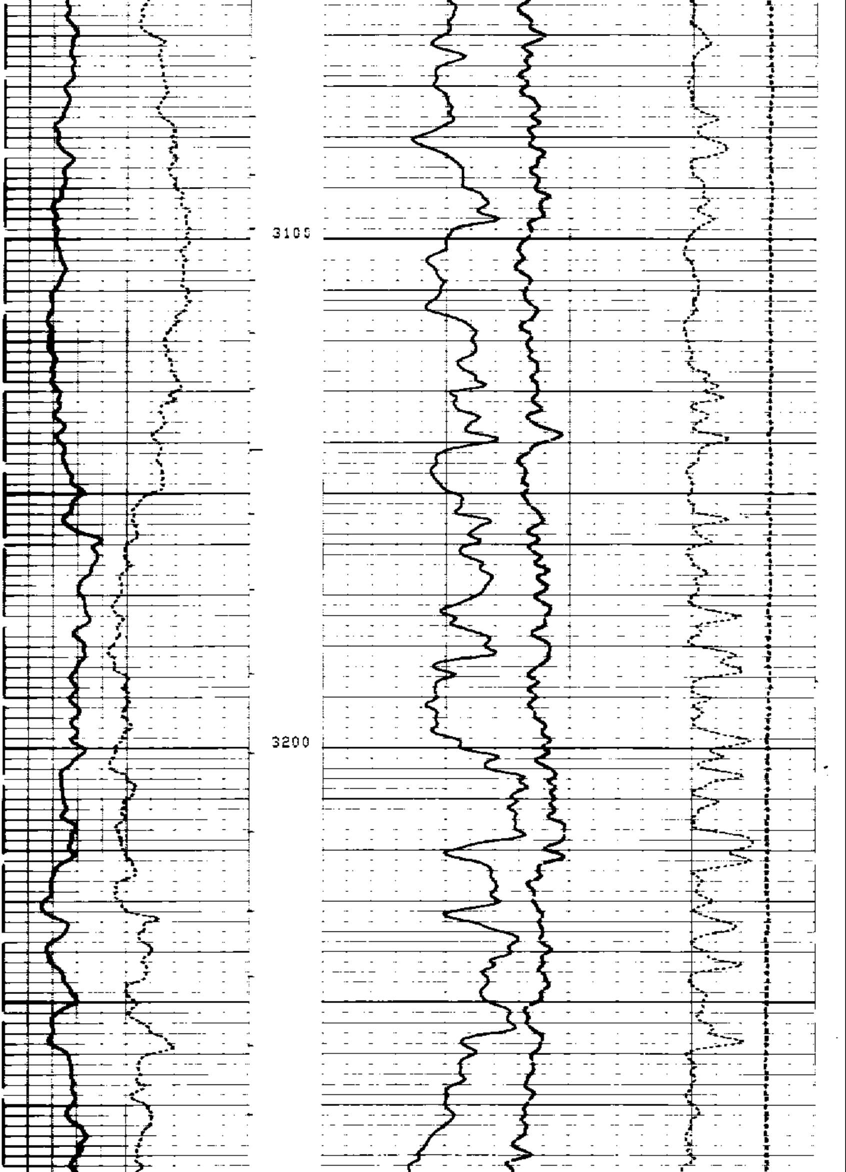

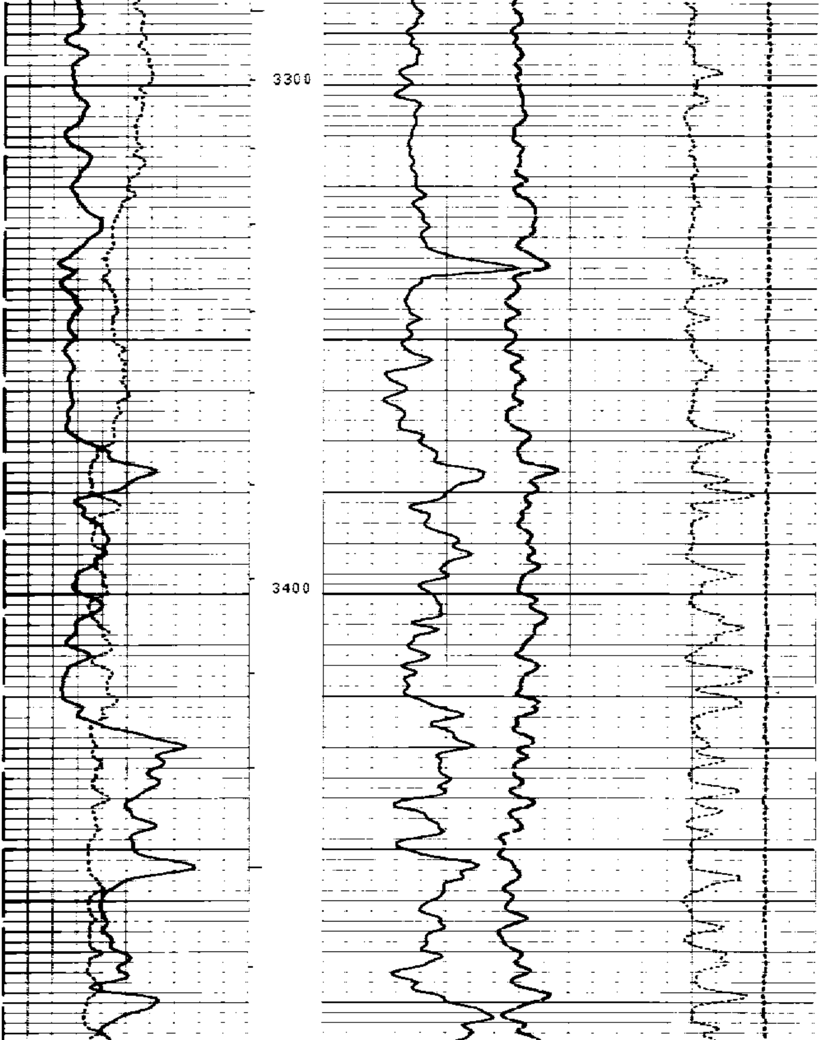

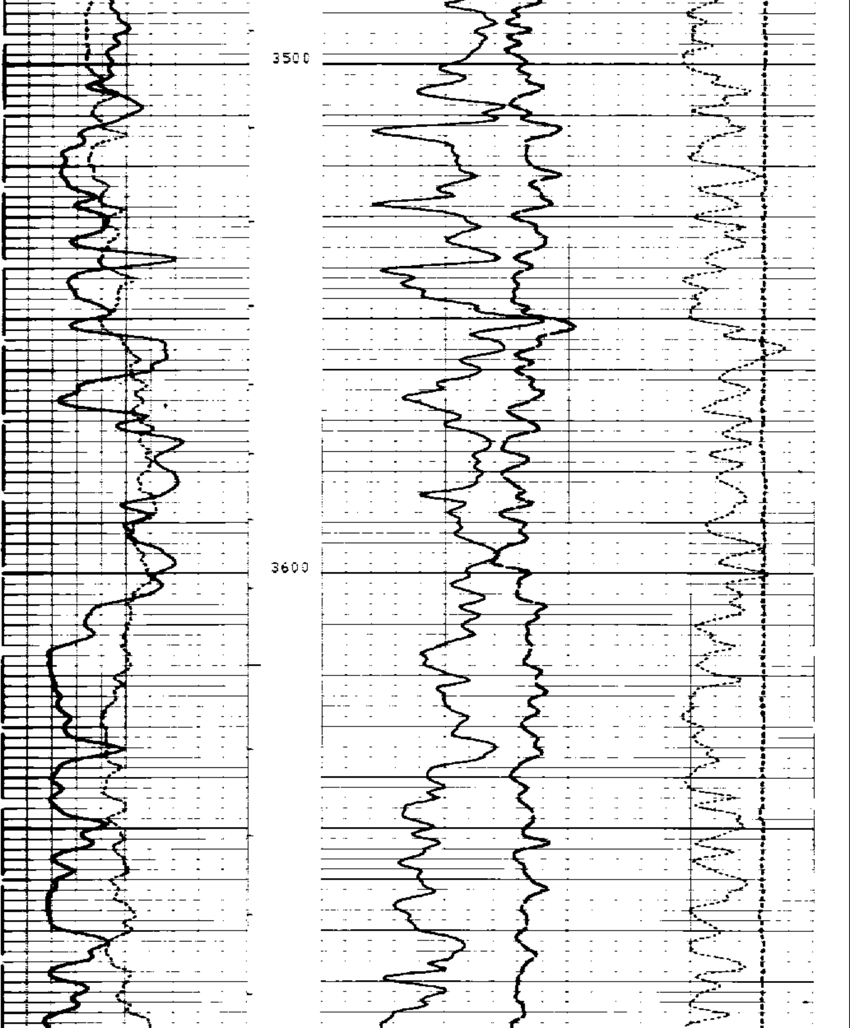

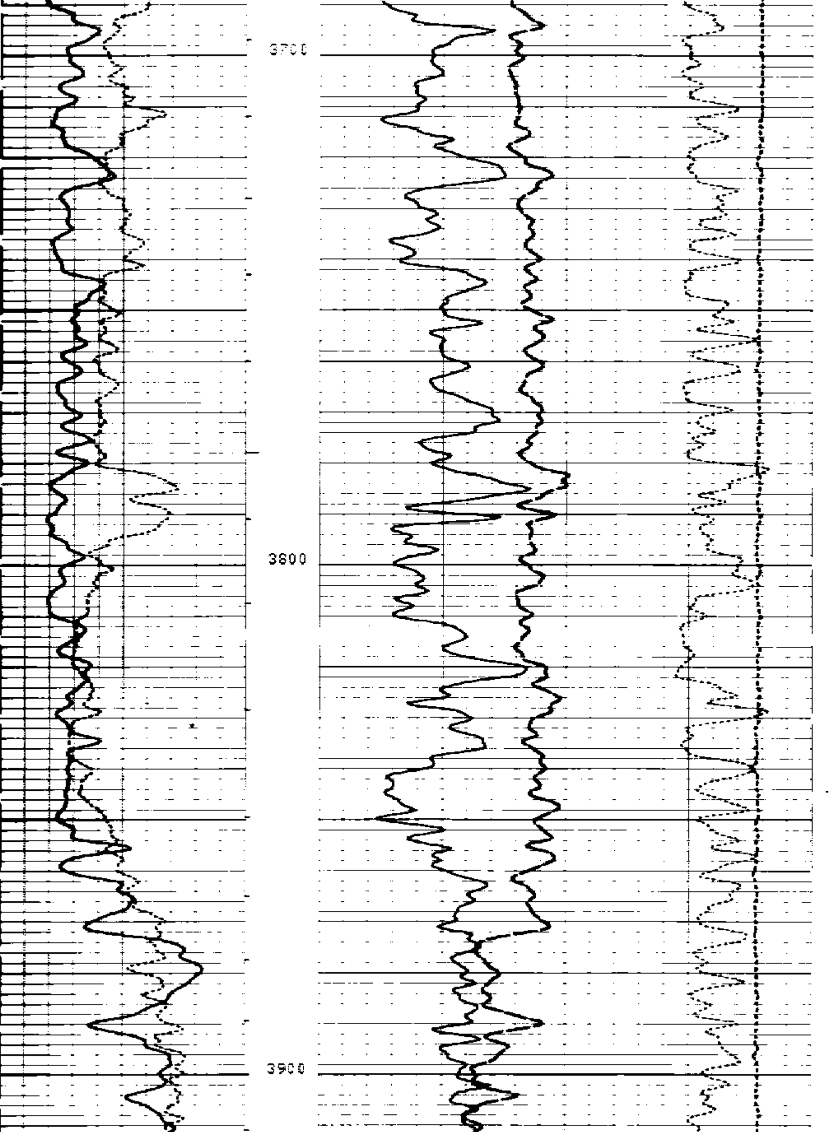

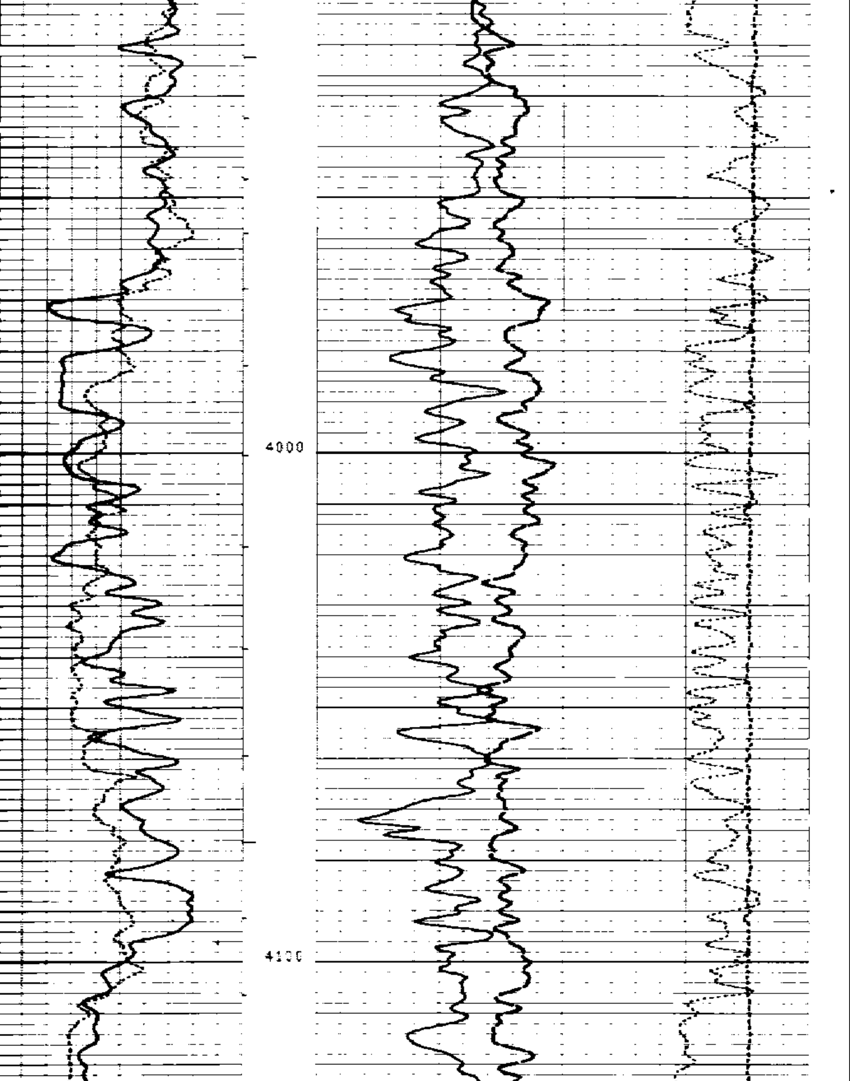

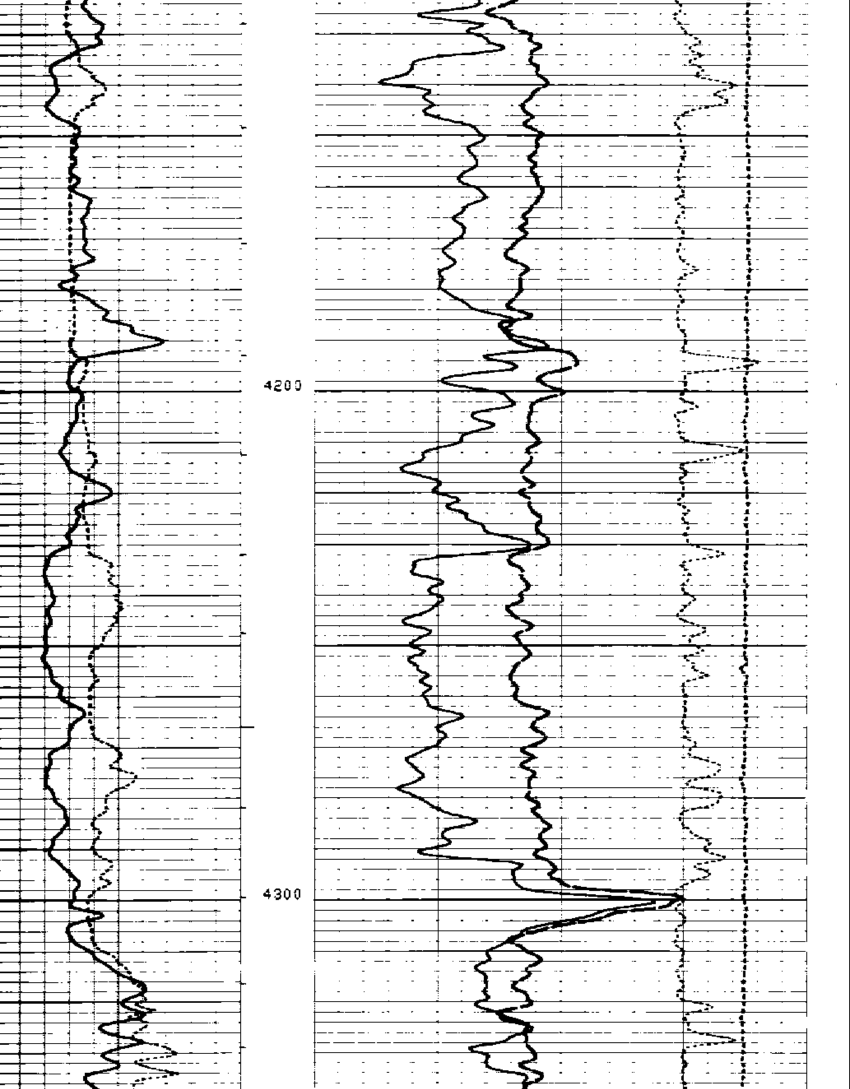

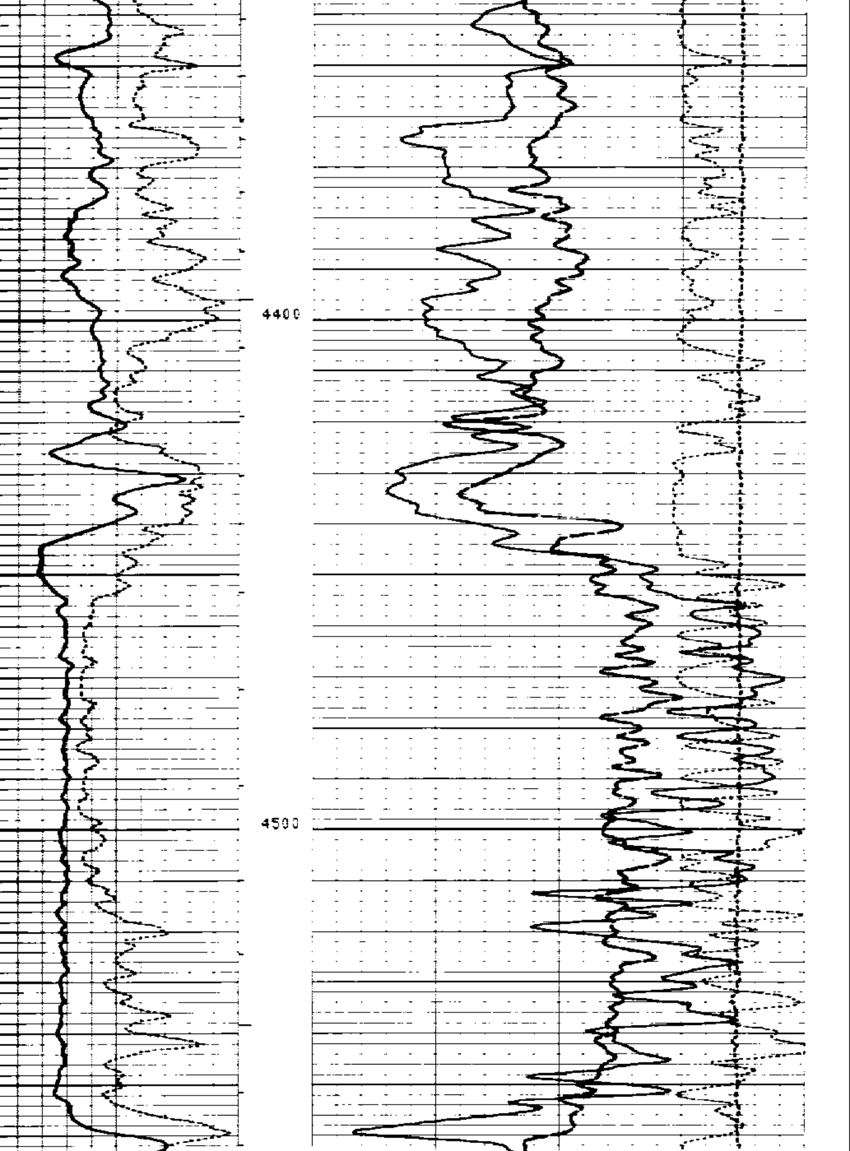

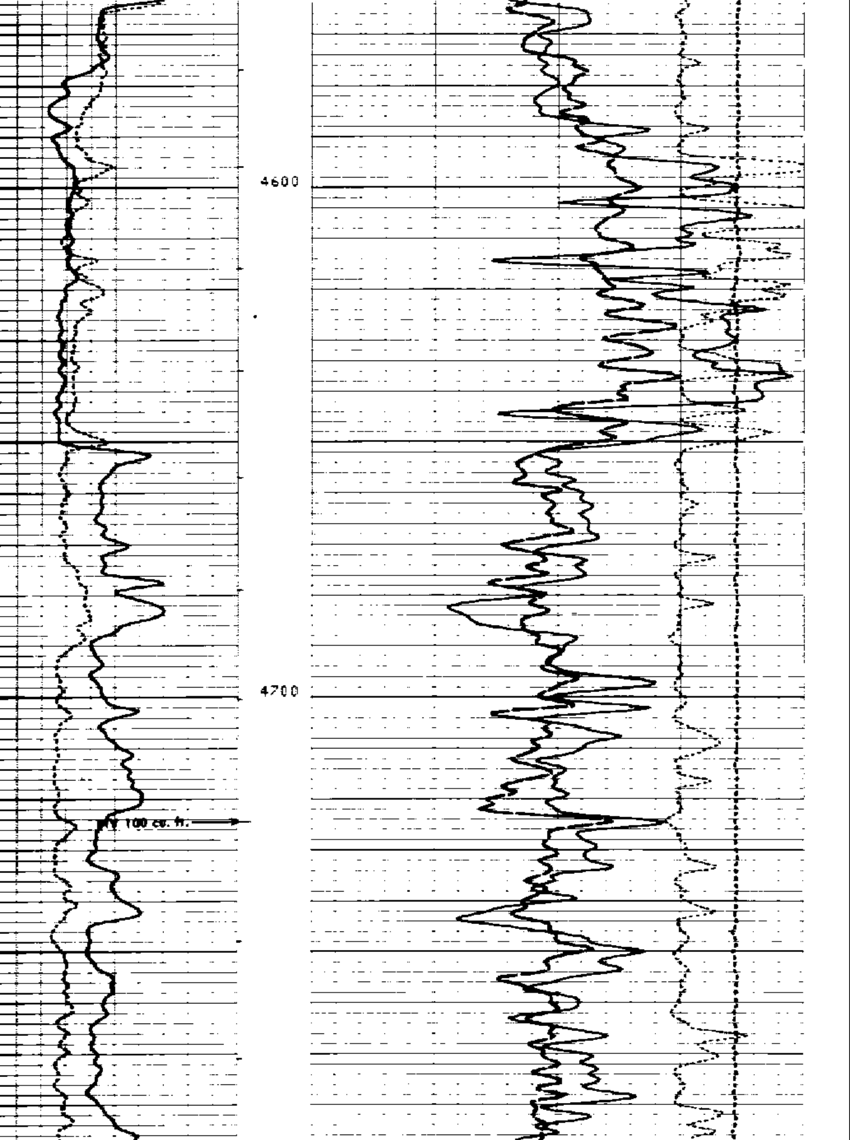

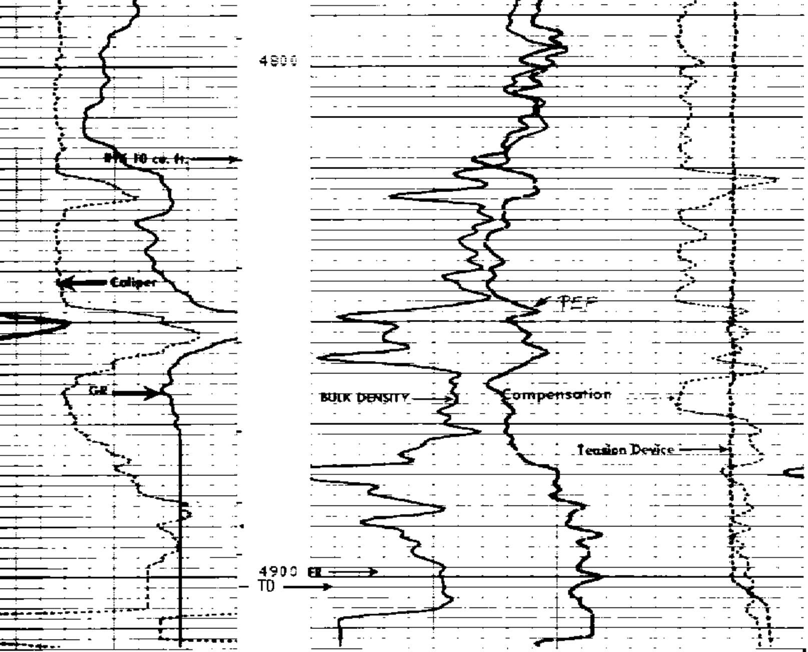

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FILE   12        16-APR-85 08:37
DATA ACQUIRED    15-APR-85 21:47
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                                                          TENS(LB  )
                                                   10000.             0.0
                                                          DRHO(G/C3)
                                                   -.2500          .25000
        SGR (GAPI)                                 RHOB(G/C3)
0.0              150.00      2.0000                                3.0000
        CALI(IN  )                              PEF
6.0000           16.000      0.0                                   10.000
```

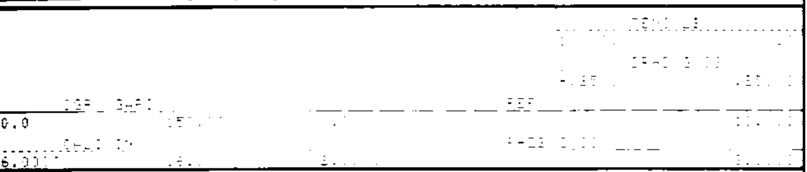
```
                  SENSOR MEASURE POINT TO TOOL ZERO

        W4NG 39.8  FEET                      W5NG 39.8  FEET
        W2NG 39.8  FEET                      W3NG 39.8  FEET
        SNGT 39.8  FEET                      W1NG 39.8  FEET
        TPUW 39.8  FEET                      NGPE 39.8  FEET
        PPUW 39.8  FEET                      TPLW 39.8  FEET
        APUW 39.8  FEET                      PPLW 39.8  FEET
        NTCN 25.7  FEET                      APLW 39.8  FEET
        FTCN 26.2  FEET                      NECN 24.2  FEET
        SS2   2.0  FEET                      FECN 23.7  FEET
        LITH  2.5  FEET                      SS1   2.0  FEET
        LU    2.5  FEET                      LS    2.5  FEET
        CALI  2.6  FEET                      LL    2.5  FEET
        SGR  39.8  FEET                      TENS  -.9  FEET
        ENRA 23.5  FEET                      TNRA 26.5  FEET
```

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
TD	4914.00	F	RMFS	2.85000	OHMM
SHT	80.0000	DEGF	BHT	145.000	DEGF
RMFS	0.0	OHMM	MFT	0.0	DEGF
NSSN	0		MW	10.2000	LB
PDIF	THEN		ENFS	ERAT	
HC	CALI		TNPS	NORM	
FD	1.00000	G/C3	MATR	SAND	
WMUD	10.2000	LB/G	MDEN	2.65000	G/C3
DHC	CALI		LPCS	THIN	
BS	8.75000	IN	BHS	OPEN	
PP	NORM		DD	0.0	F

TAPE NOT MADE



REPEAT SECTION

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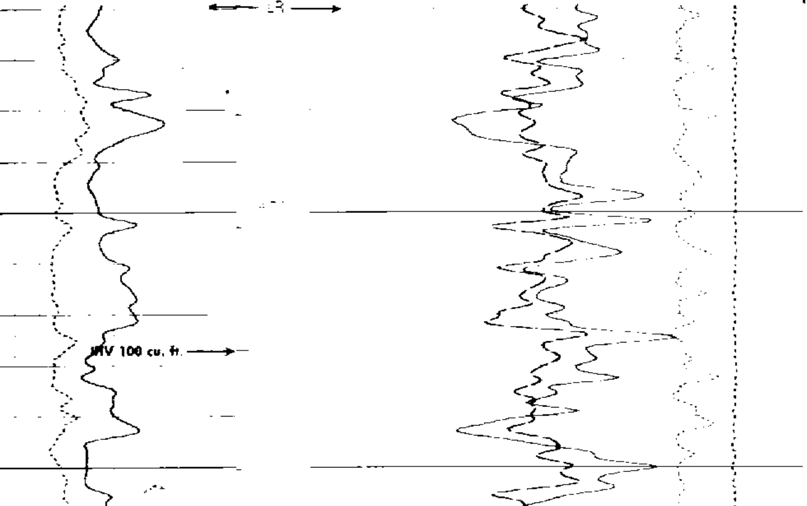

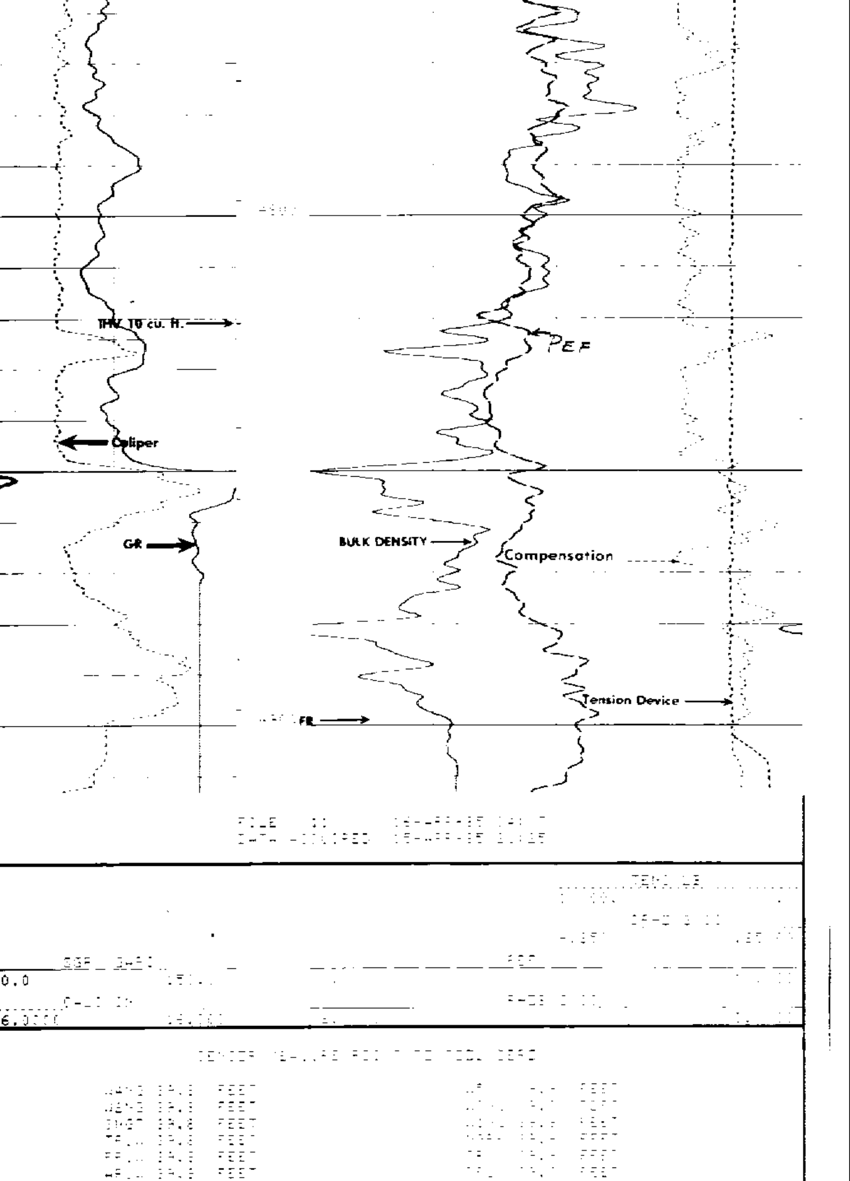

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[illegible] [illegible] FEET          [illegible] [illegible] [illegible]
[illegible] [illegible] FEET          [illegible] [illegible] FEET
[illegible] [illegible] FEET          [illegible] [illegible] FEET
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                         PARAMETERS

NAME     VALUE      UNIT                    NAME     VALUE      UNIT

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