Schlumberger

NATURAL GAMMA RAY SPECTROMETRY 5"

CSU Field Log

COMPANY: ARCO EXPLORATION COMPANY
WELL: BANZER 034-16
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.

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

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

OTHER SERVICES-
DIL
DIGITAL SONI
SHDT
NST
CST
LDT/CNL

API SERIAL NO:
36-009-001

PROGRAM
TAPE NO:
25.802
SERVICE
ORDER NO:
432414

TYPE FLUID IN HOLE: DESCO-DRISPAC
DENSITY: 10.2 LB/G
VISCOSITY: 44.0 S
PH: 9.5
FLUID LOSS: 4.8 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 3.170 OHMM AT 83.0 DEGF
RMF: 2.850 OHMM AT 64.0 DEGF
RMC: 1.070 OHMM AT 67.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 2.300 OHMM AT 117. DEGF
RMF AT BHT: 1.631 OHMM AT 117. DEGF
RMC AT BHT: .638 OHMM AT 117. DEGF

TIME CIRC. STOPPED: 18:30 4/15
TIME LOGGER ON BTM.: 21:45 4/15

MAX. REC. TEMP: 117.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: BUIKEMA

REMARKS:

CHLORIDES: 900PPM
LDT,CNL,AND NGT WERE RUN IN COMBINATION.

EQUIPMENT NUMBERS-

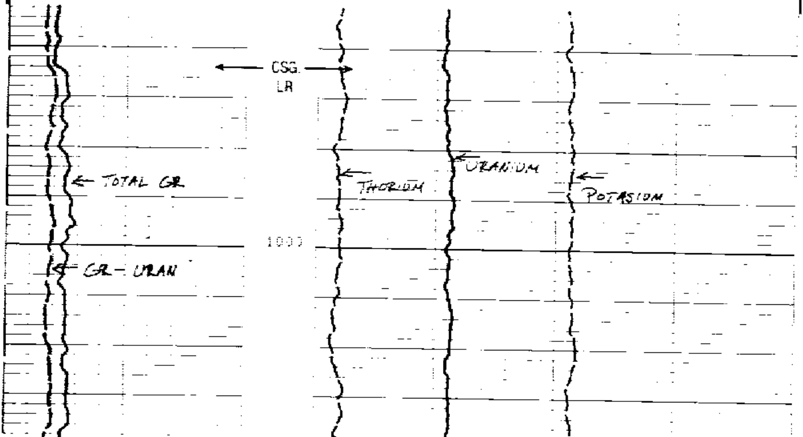
DRS 4775	NSC 1955	PDH 2942	CNC 39
NGD 1798	NSC 1798	CCCB 2880	CIM 270

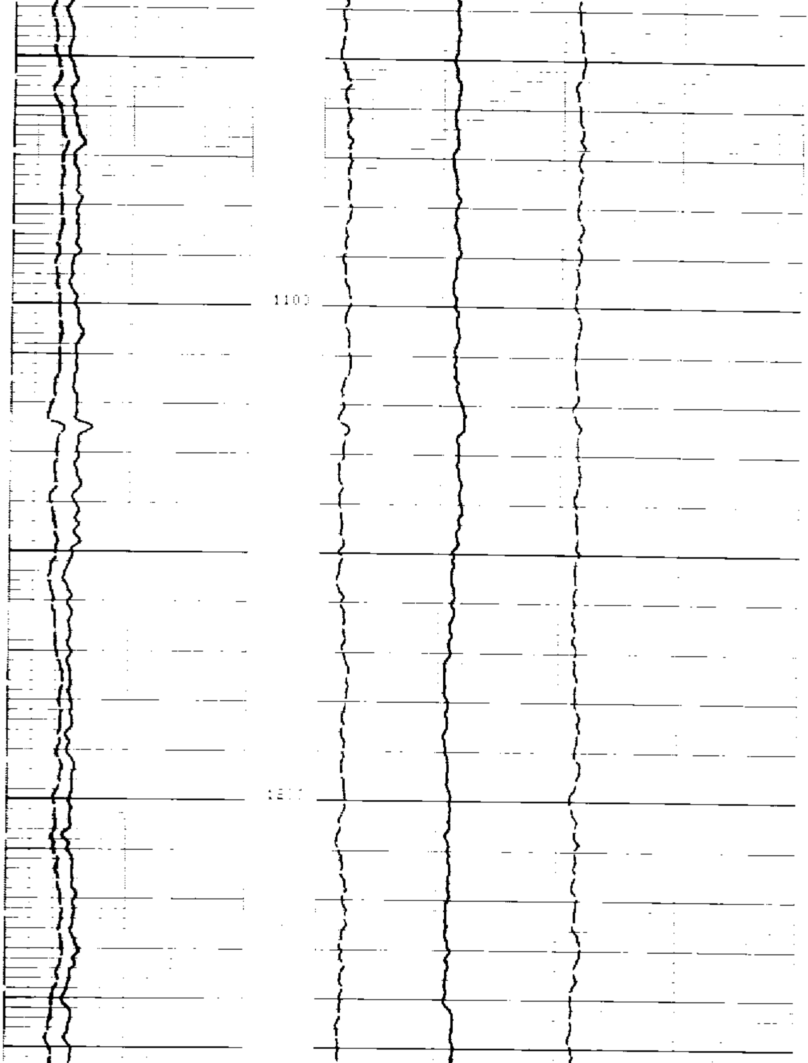
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR **OTHER** MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR **CORRECTNESS** OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE **OF GROSS** OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR **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.

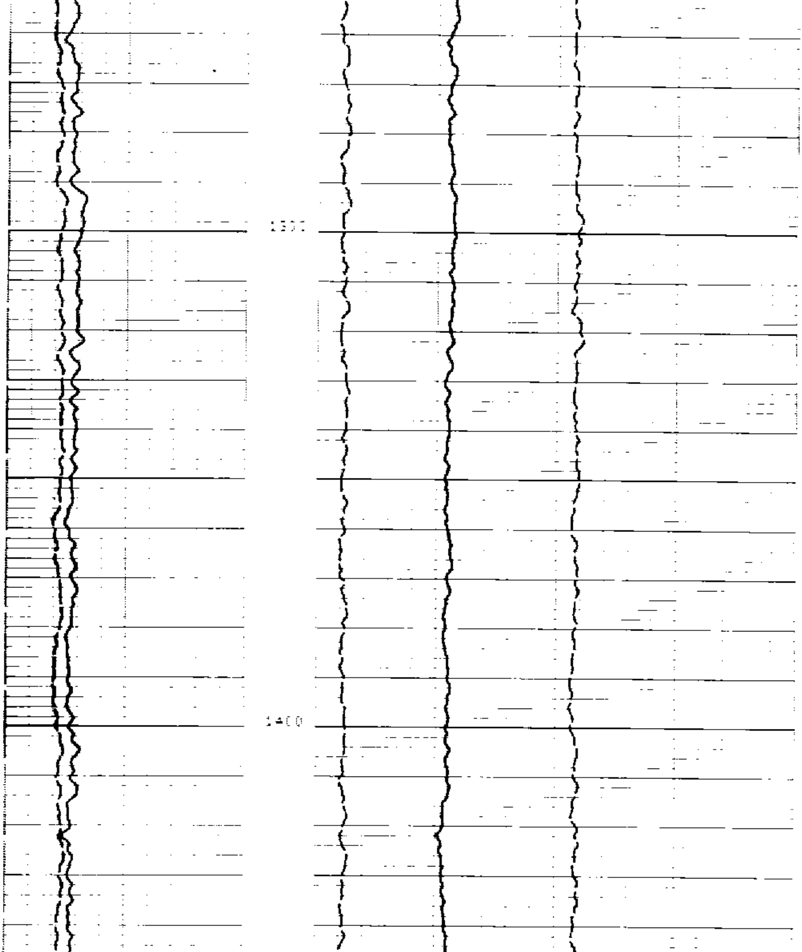
FILE 15 16-APR-85 03:49
DATA ACQUIRED 00- -00 00:00

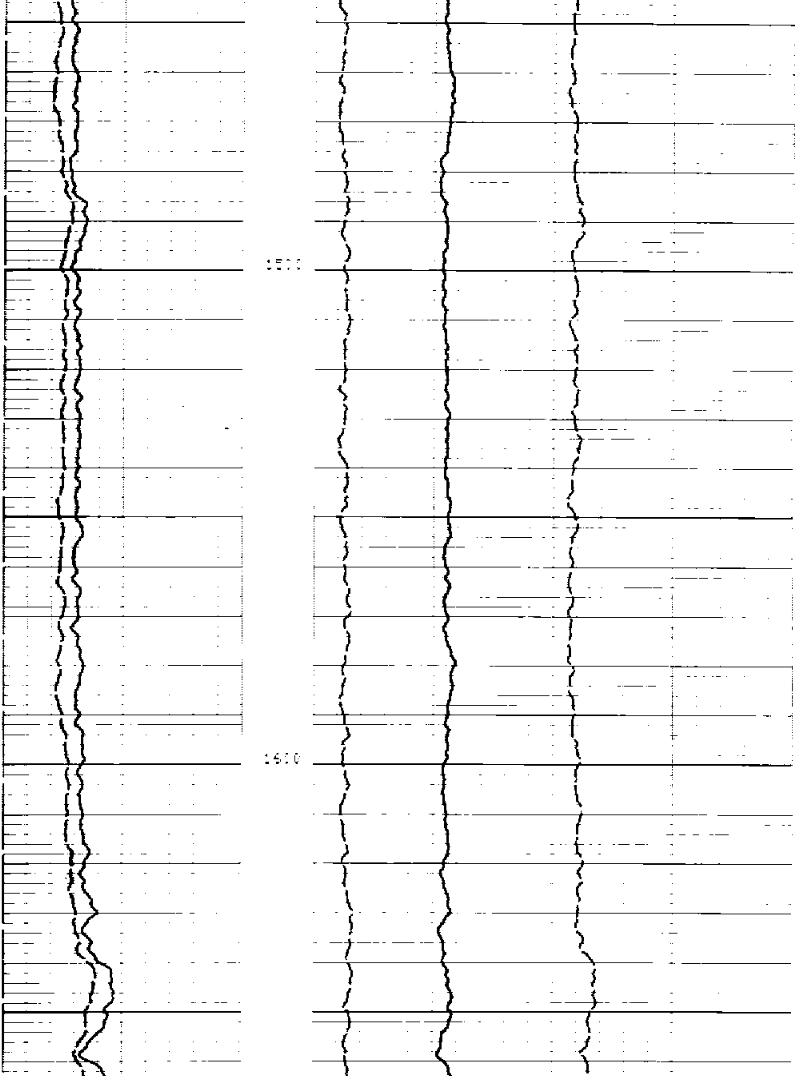
CGR (GAPI)		THOR (PPM)		POTA	
0.0	150.00	0.0	40.000	0.0	.10000
SGR (GAPI)		URAN (PPM)			
0.0	150.00	-10.00			30.000

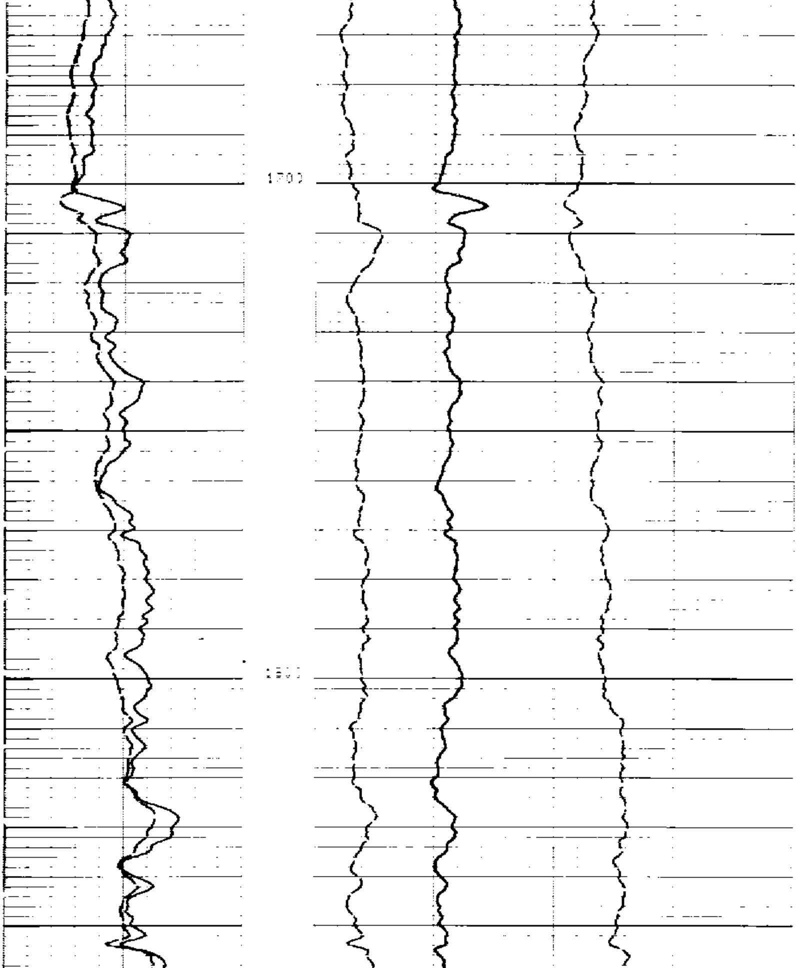
FILE 12 16-APR-85 02:19

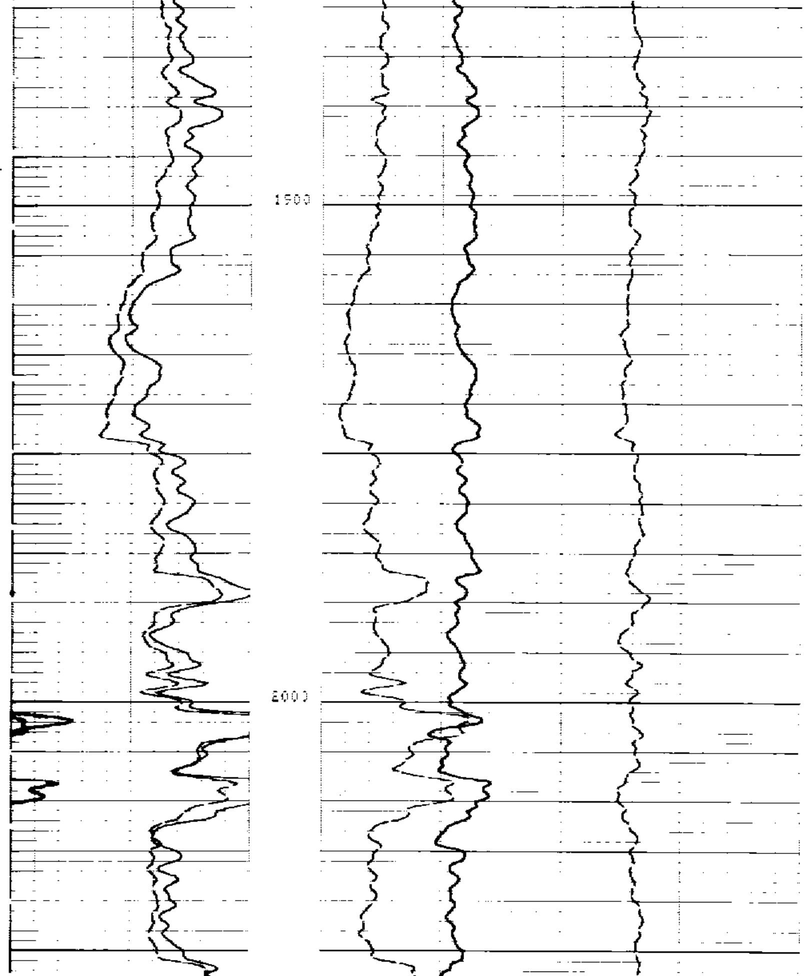


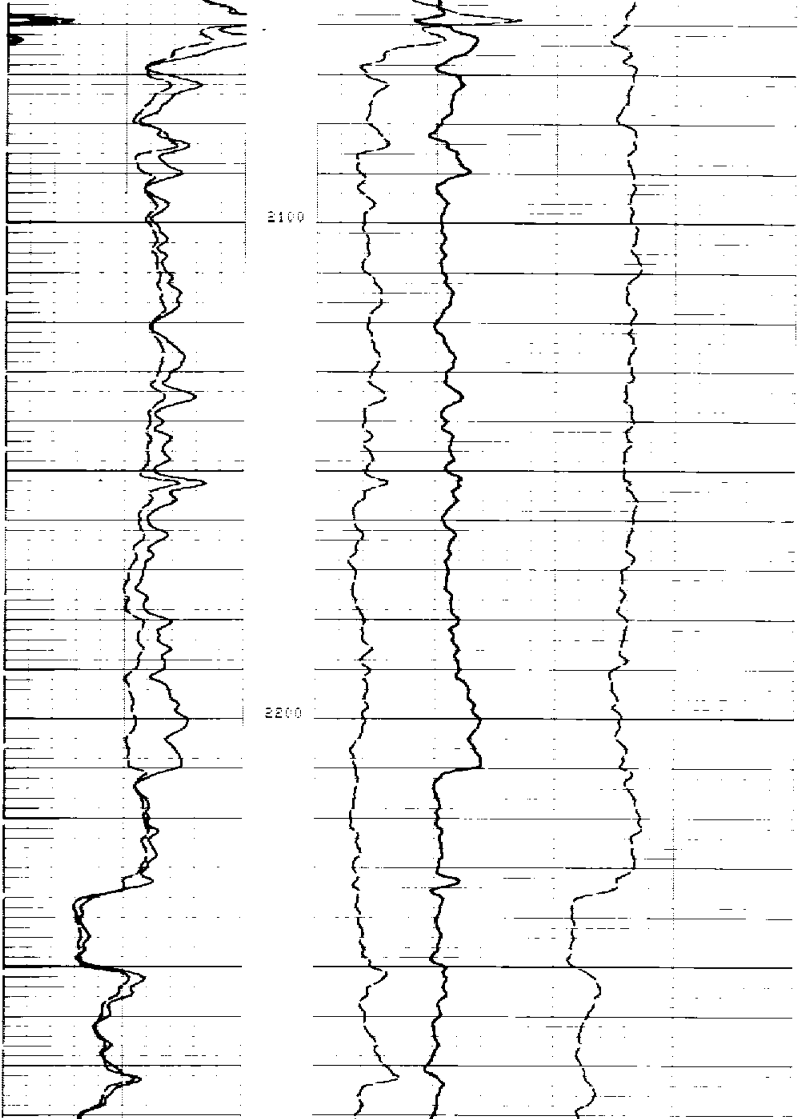


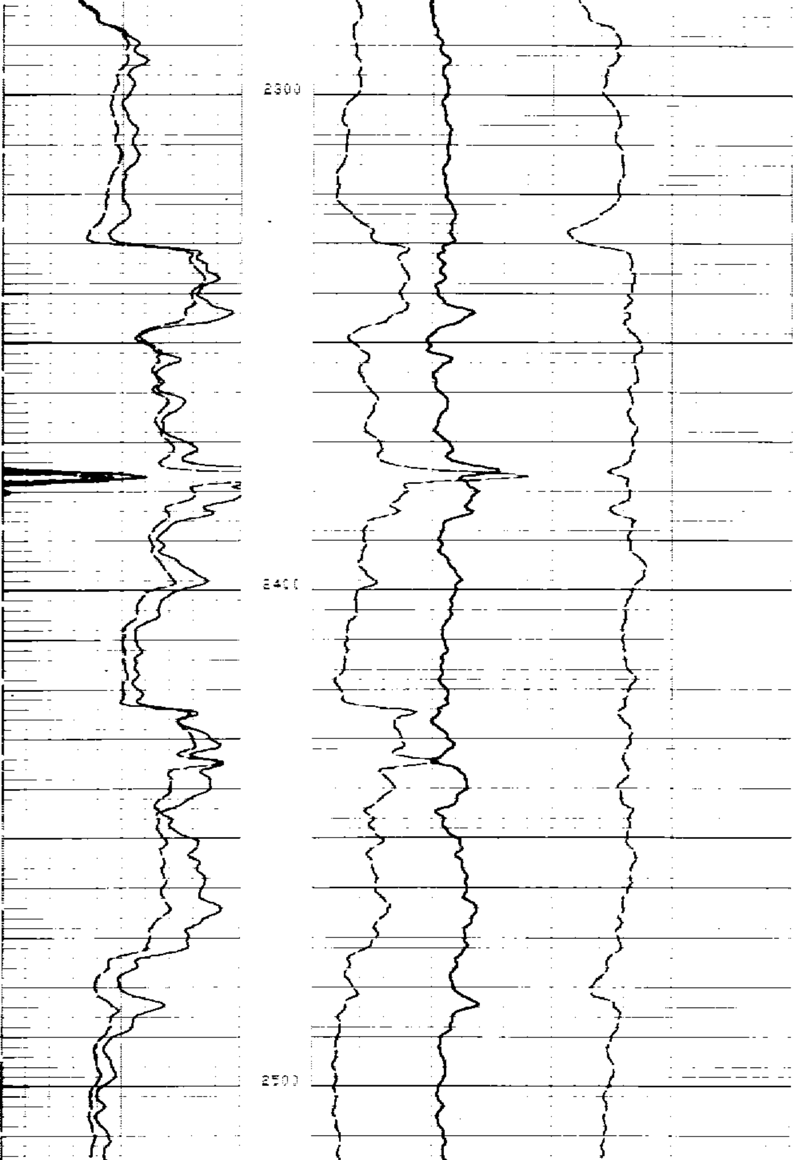


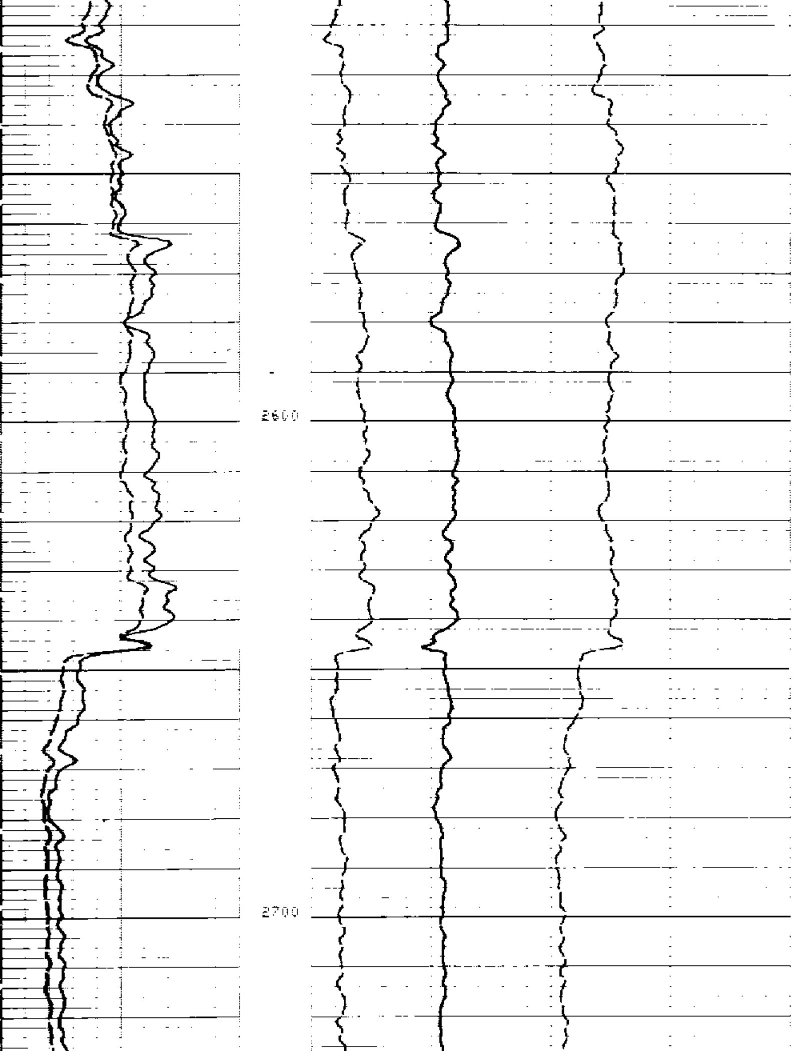


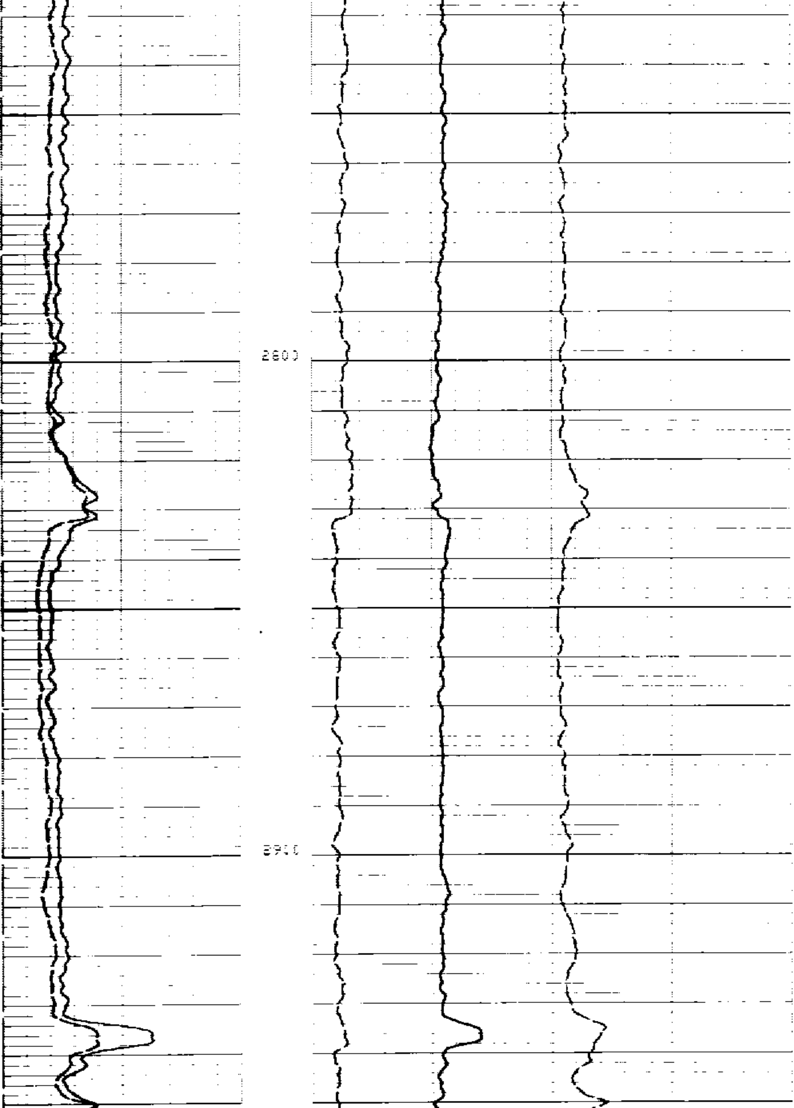


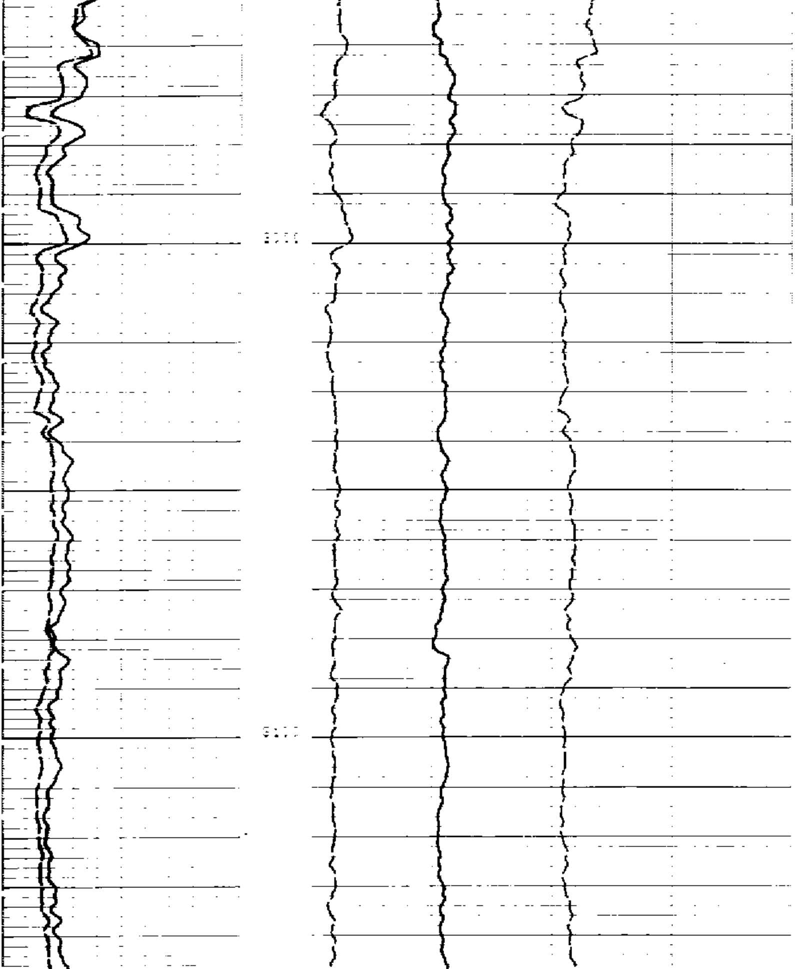


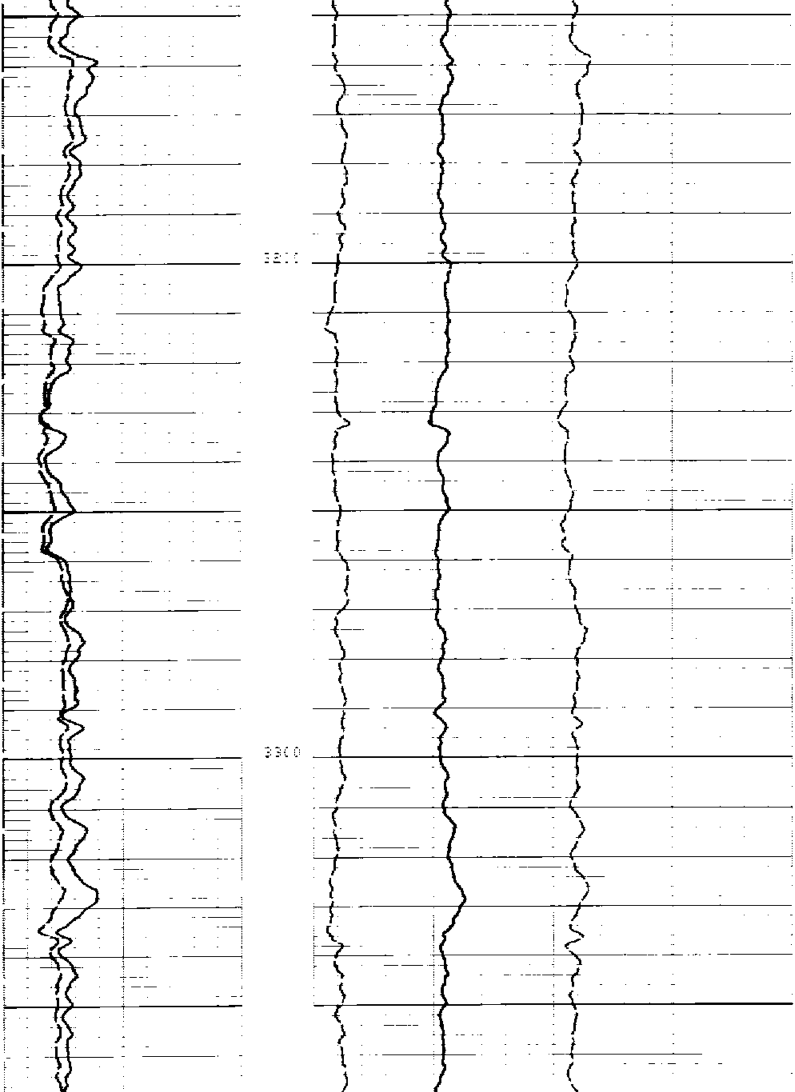


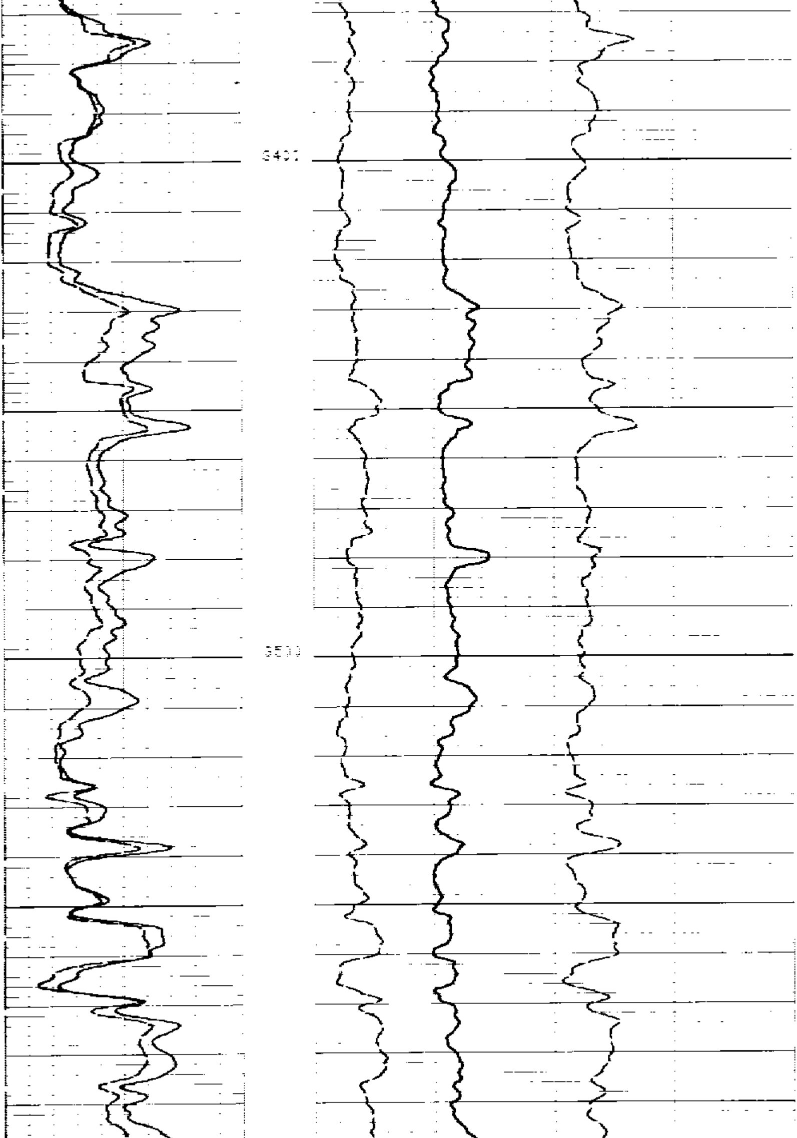


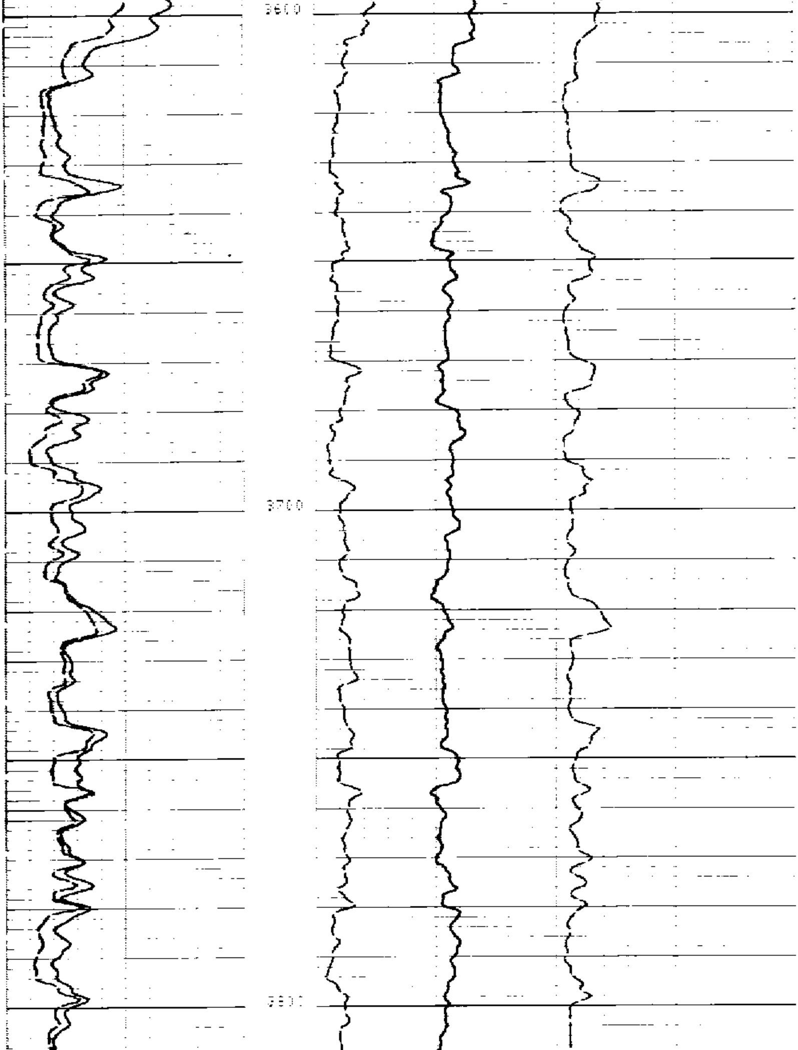


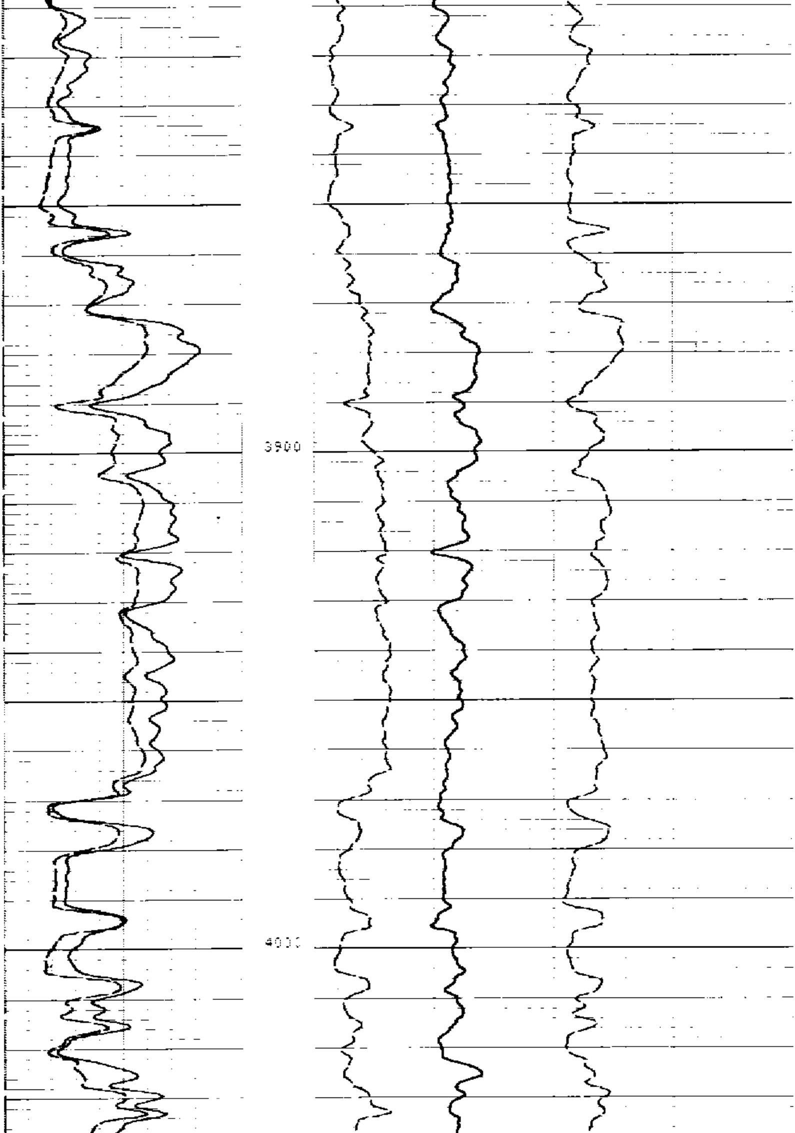


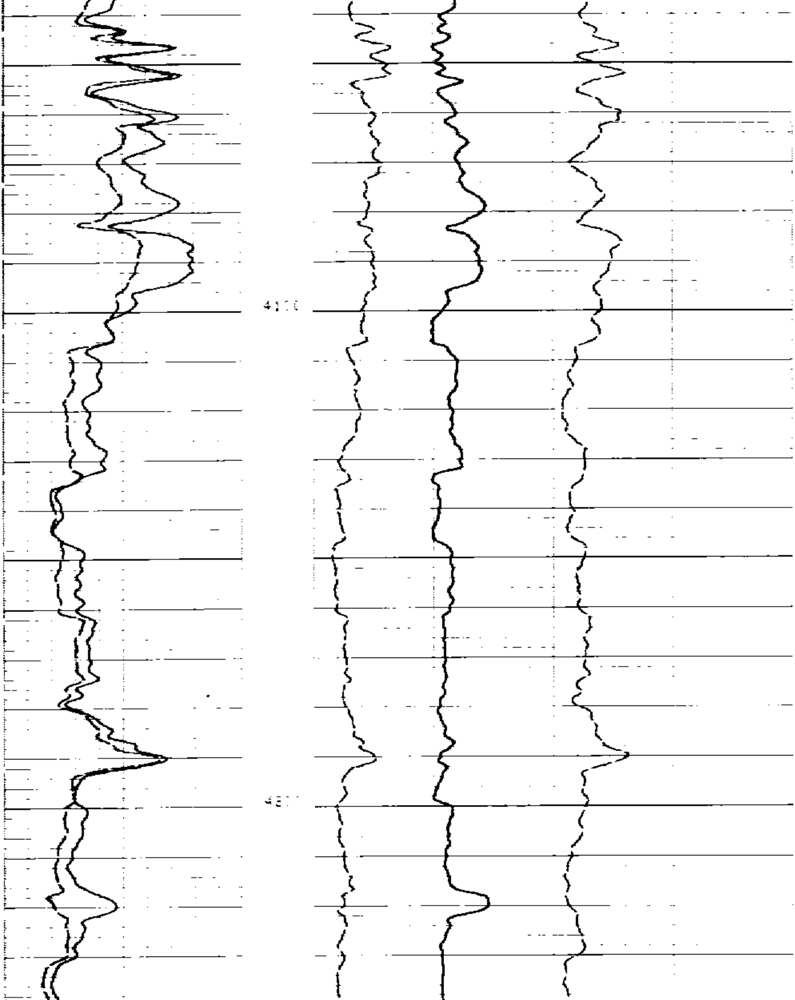


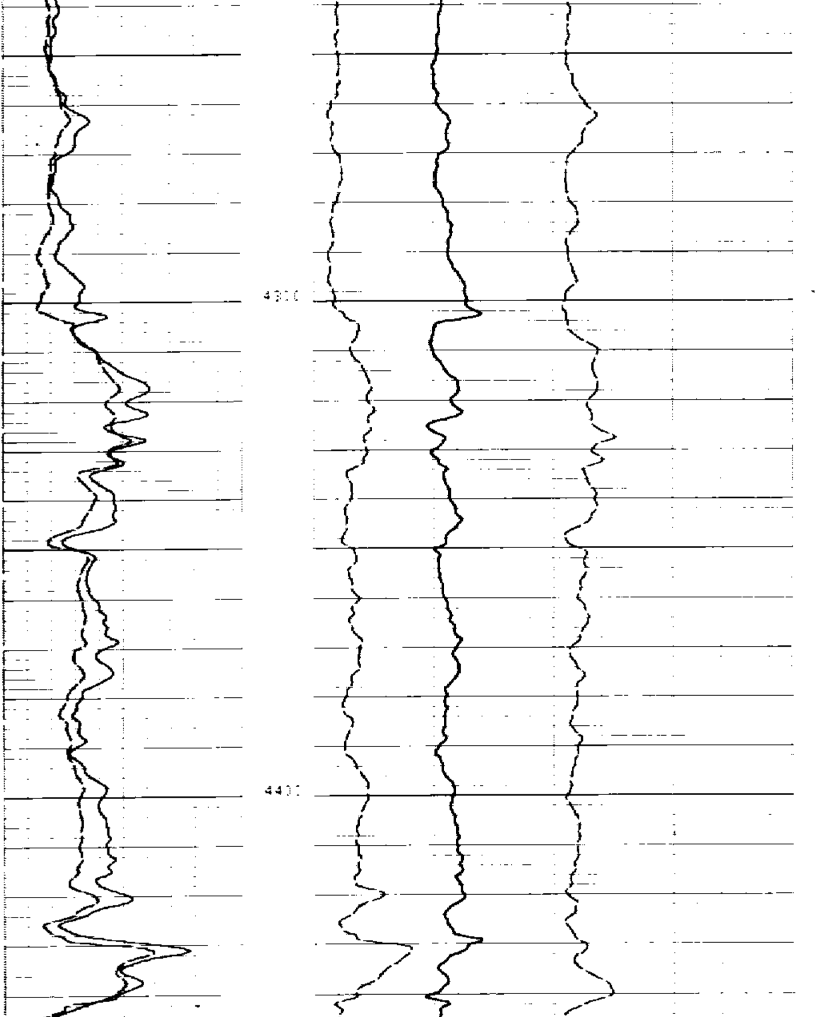


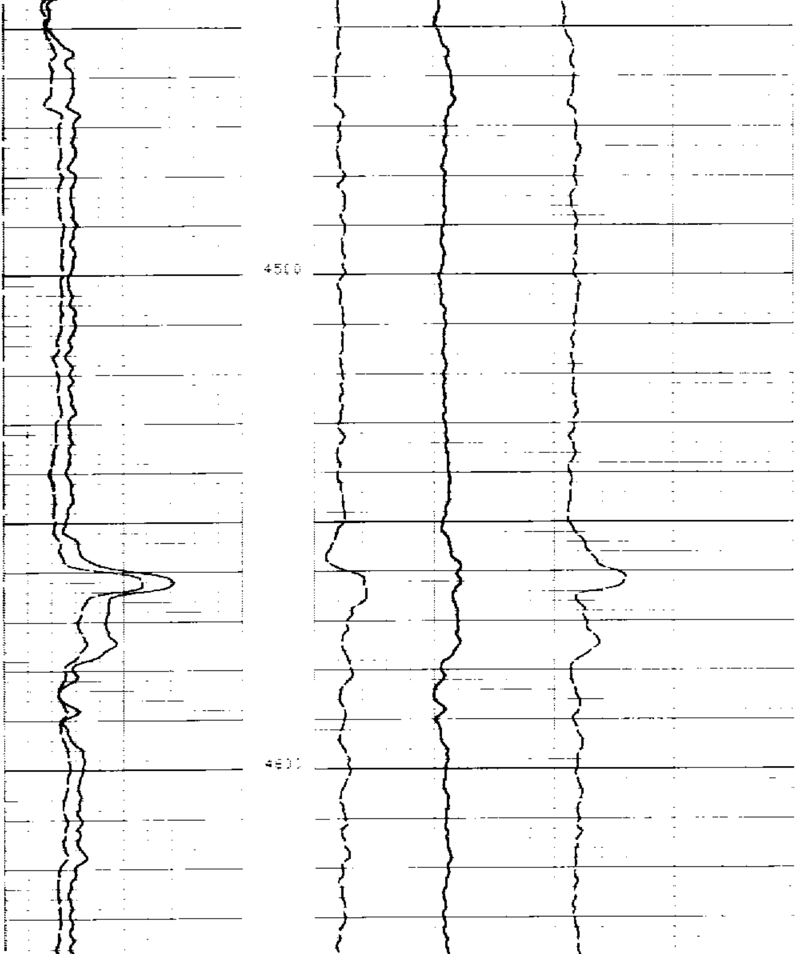


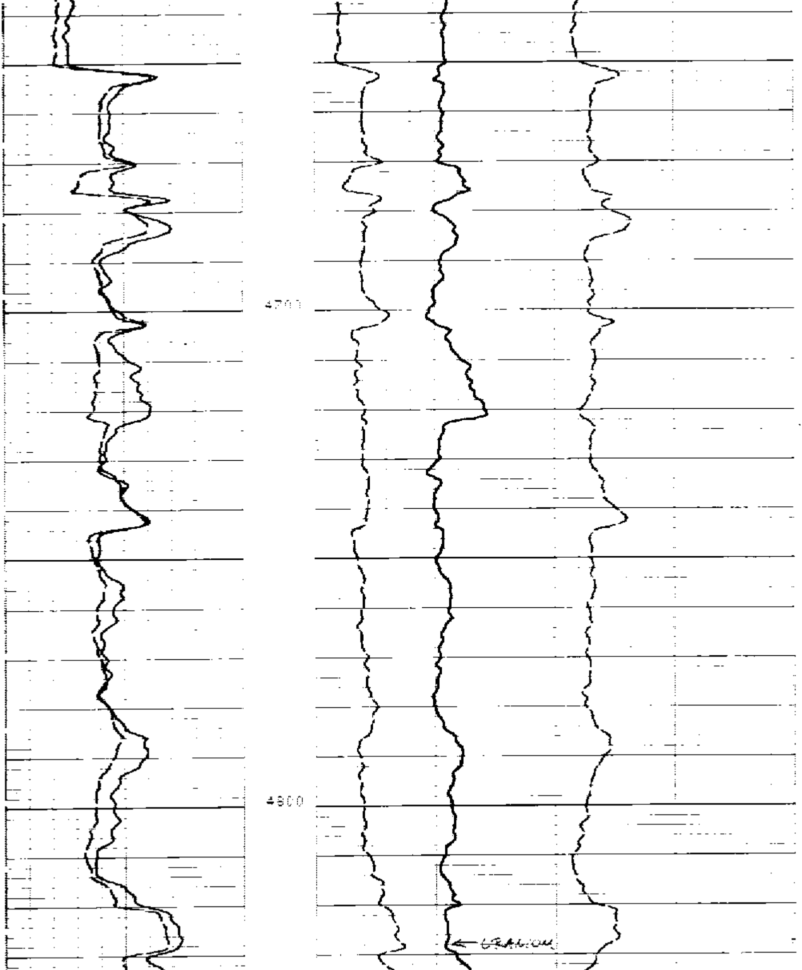


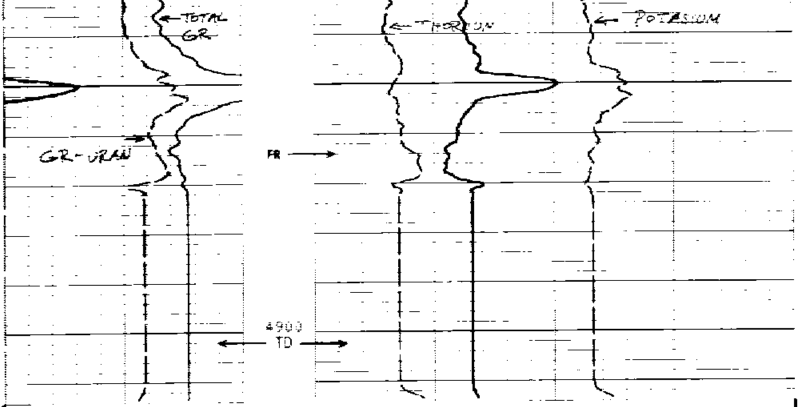












FILE 12 15-APR-85 21:46

CGR (GAPI)		THOR(PPM)		POTA	
0.0	150.00	0.0	40.000	0.0	.10000
SGR (GAPI)		URAN(PPM)			
0.0	150.00	-10.00	30.000		

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	39.3	FEET	TENS	-.9	FEET
ENRA	23.5	FEET	TNPH	26.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BHT	145.000	DEGF	TD	4914.00	F
MFT	0.0	DEGF	SHT	80.0000	DEGF
MW	10.2000	LB	RMFS	0.0	OHMM
ENPS	ERAT		NSSN	0	
TNPS	NORM		PIIF	THEN	
MATR	SAND		HC	CALI	
MDEN	2.65000	G/C3	FD	1.00000	G/C3
LPCS	TWIN		WMUD	10.2000	LB/G
BHS	OPEN		I-C	CALI	
BS	8.75000	IN			

CGR (GAPI)		THOR(PPM)		POTA	
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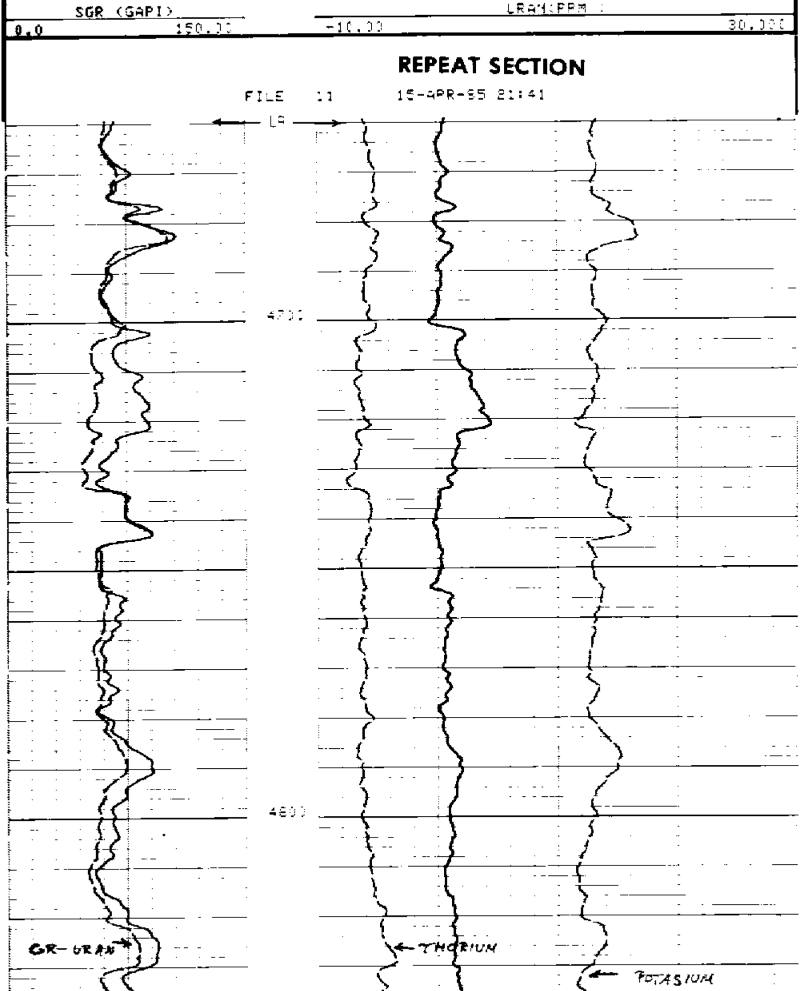
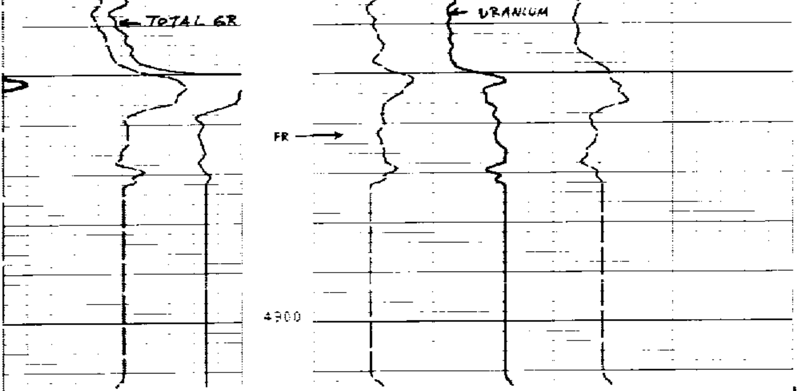


REPEAT SECTION

FILE 11 15-APR-95 21:41



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                         FILE   11        15-APR-85 21:23

      CGR (GAPI)                         THOR(PPM )              POTA
0.0               150.00       0.0                  40.000 0.0               .10000
      SGR (GAPI)                                     URAN(PPM )
0.0               150.00       -10.00                                        30.000

                    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                         NGRE 39.8   FEET
          PPUW 39.8   FEET                         TPLW 39.8   FEET
          APUW 39.8   FEET                         PPLW 39.8   FEET
          MTON 25.7   FEET                         APLW 39.8   FEET
          FTON 26.2   FEET                         MEDN 24.2   FEET
          SS2   2.0   FEET                         FEDN 23.7   FEET
          LITH  2.5   FEET                         SS1   2.0   FEET
          LU    2.5   FEET                         LS    2.5   FEET
          CALI  2.4   FEET                         LL    2.5   FEET
          CGR  39.8   FEET                         TENS  -.9   FEET
          ENRA 33.5   FEET                         TNRA 26.5   FEET

                              PARAMETERS

          NAME  VALUE     UNIT                     NAME  VALUE      UNIT

          BHT  145.000    DEGF                     TD    4914.00    F
          MFT  0.0        DEGF                     SHT   80.0000    DEGF
          MW   10.2000    LB                       RMFS  0.0        OHMM
          ENPS EPAT                                MCON  0
          TNPS NORM                                FDIF  THEN
          MATR SAND                                HC    CALI
          MDEN 2.65000    G/C3                     FD    1.00000    G/C3
          LPCS TWIN                                WMUD  10.2000    LB/G
          BHS  OPEN                                SHC   CALI
          BS   8.75000    IN
```