Schlumberger

DUAL INDUCTION-SFL 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

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

RECEIVED - PTLD
APR 17 1985
DEPT OF GEOLOGY
[illegible]

DATE: 15 APR 85
RUN NO: 1

DEPTH-DRILLER: 4914.0 F
DEPTH-LOGGER: 4902.0 F
BTM. LOG INTERVAL: 4896.0 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-
LDT/CNL/NGT
DIGITAL SONI
SHDT
HST
CST

API SERIAL NO:
36-009-001

PROGRAM
TAPE NO:
26.2
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: 2.319 OHMM AT 116. DEGF
RMF AT BHT: 1.645 OHMM AT 116. DEGF
RMC AT BHT: .643 OHMM AT 116. DEGF

TIME CIRC. STOPPED: 13:30 4/15
TIME LOGGER ON BTM.: 18:45 4/15

MAX. REC. TEMP: 116.0 DEGF

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

REMARKS:

CHLORIDES: 900PPM
FIN USED FOR CENTRALIZATION

EQUIPMENT NUMBERS-

DIS 567 DIC 342 IEM 304

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 14 15-APR-85 19:48
DATA ACQUIRED 00- -00 00:00

TENS(LB)
10000. 0.0

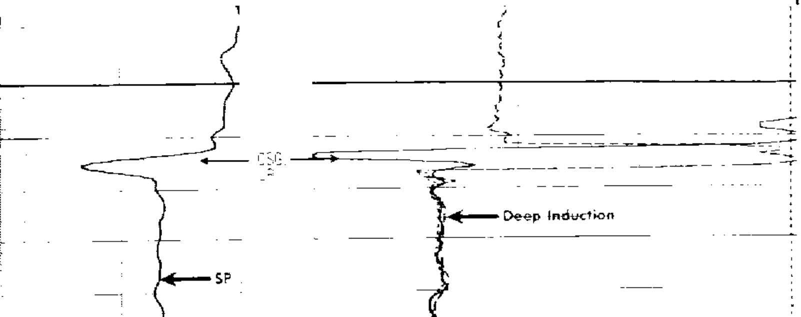
ILD (OHMM)
.20000 2000.0

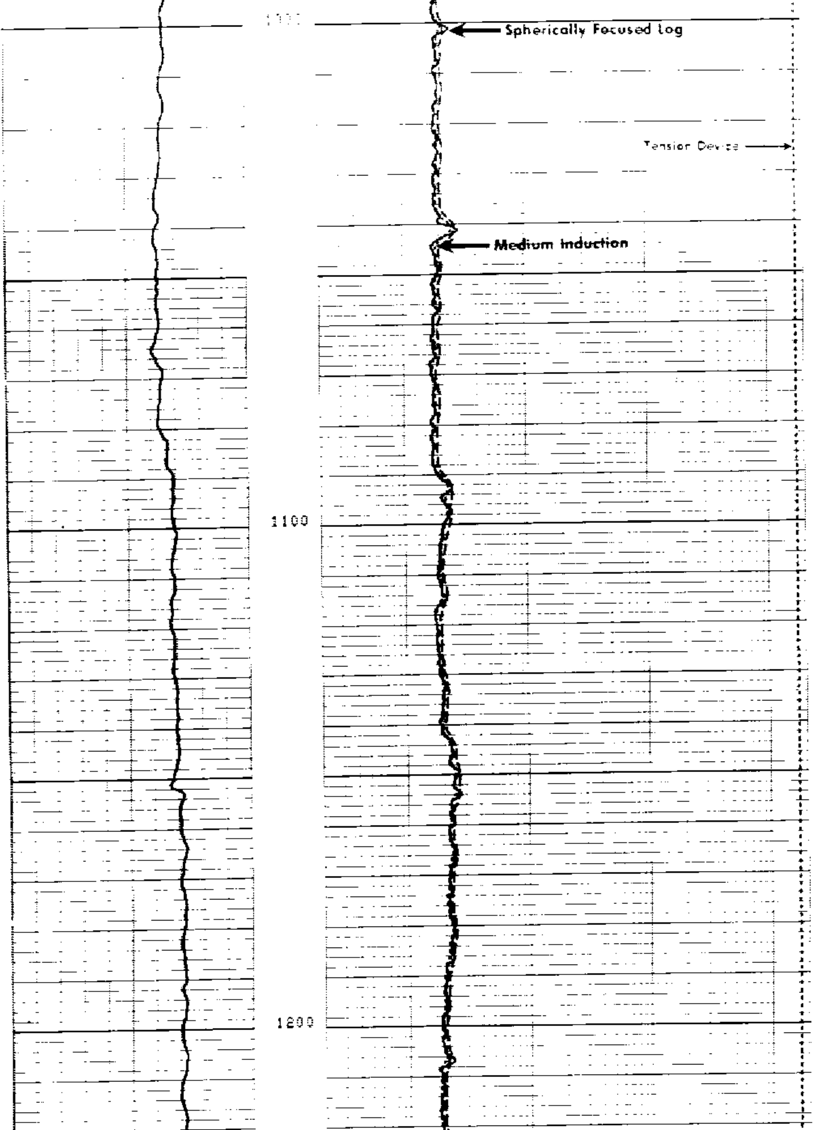
ILM (OHMM)
.20000 2000.0

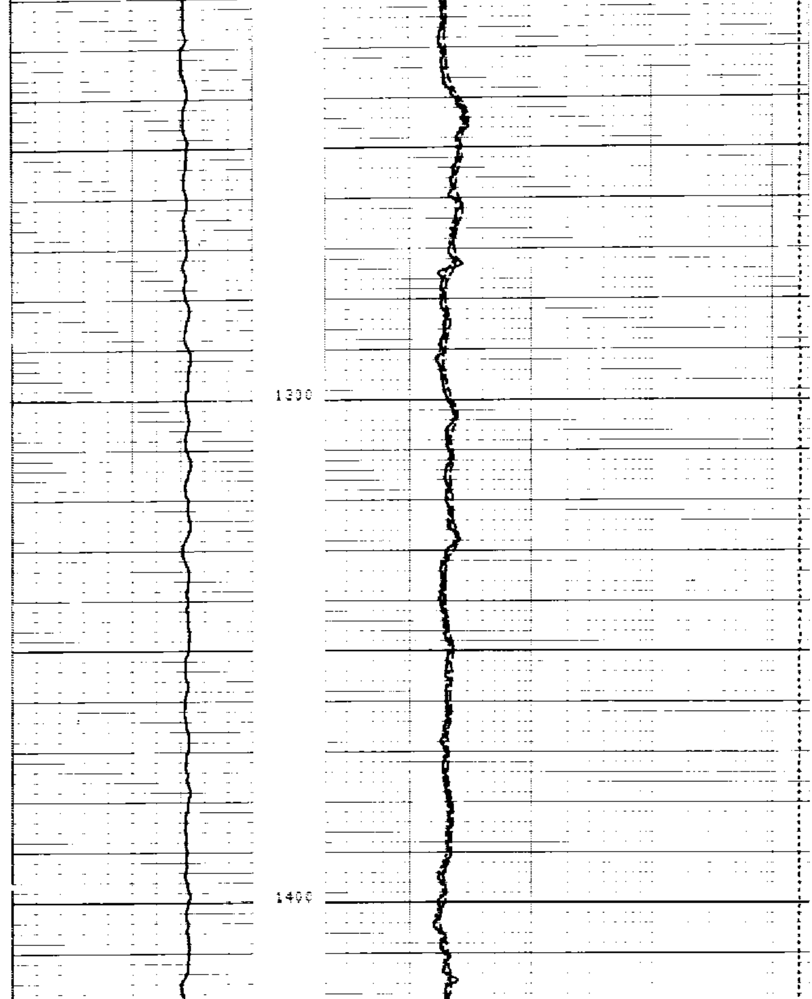
SP (MV)
-100.0 0.0

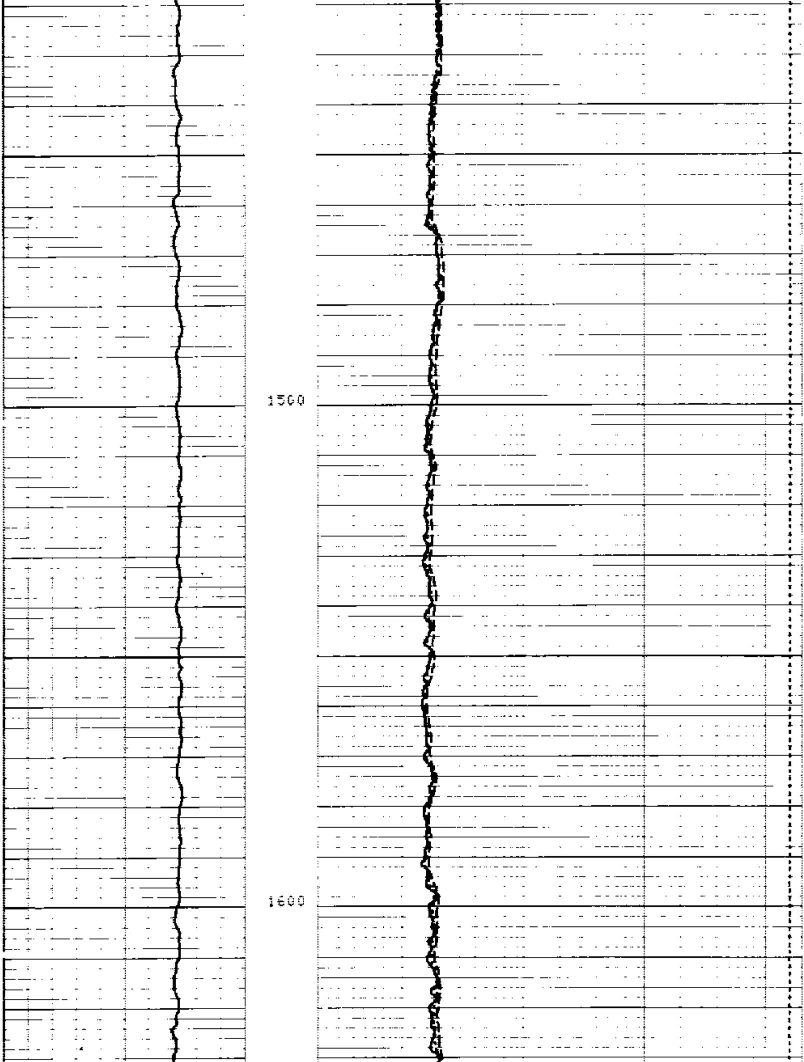
SFLU (OHMM)
.20000 2000.0

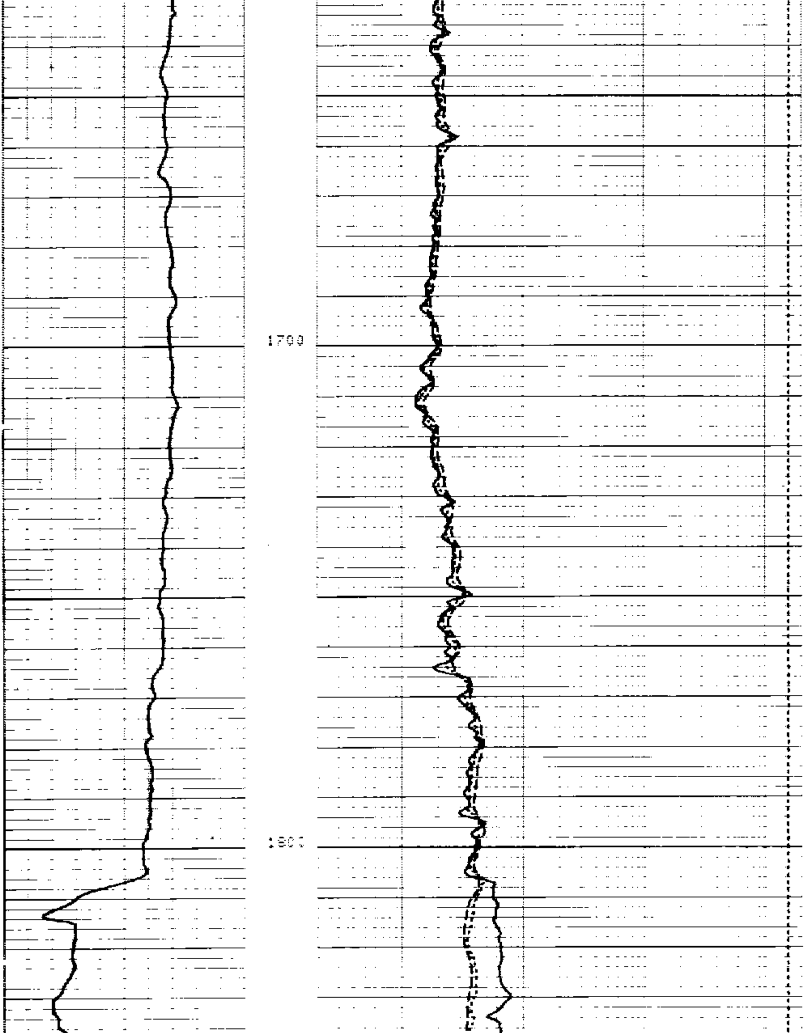
FILE 11 15-APR-85 19:[illegible]

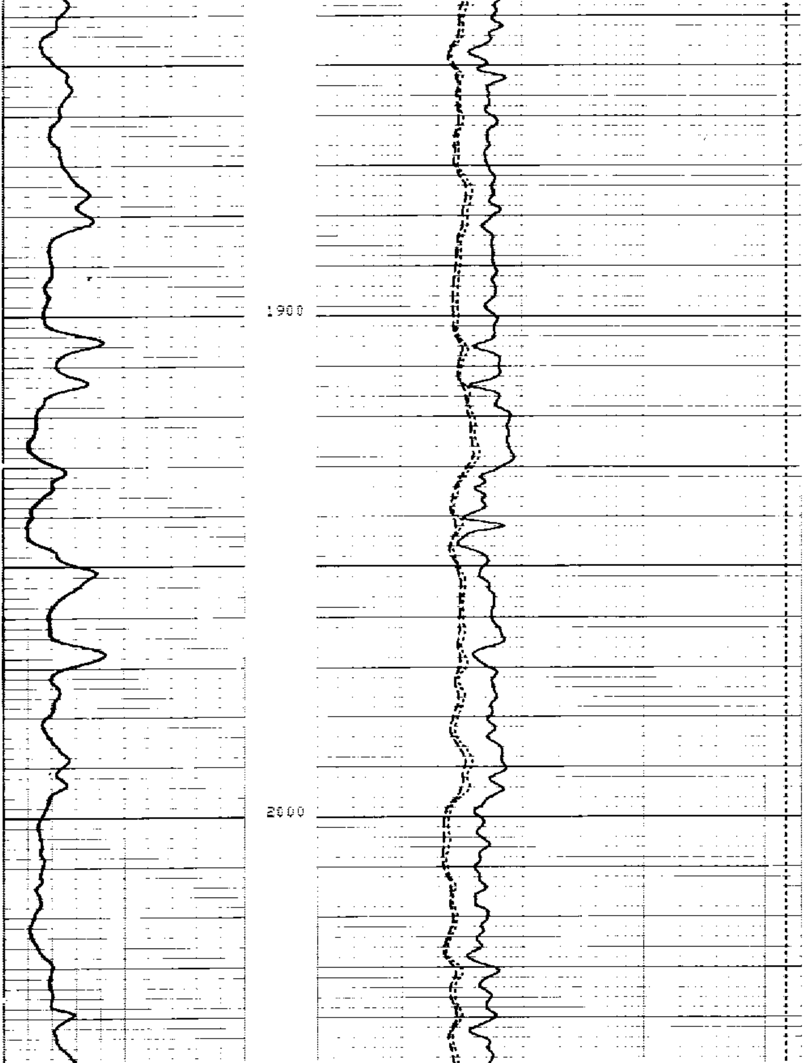


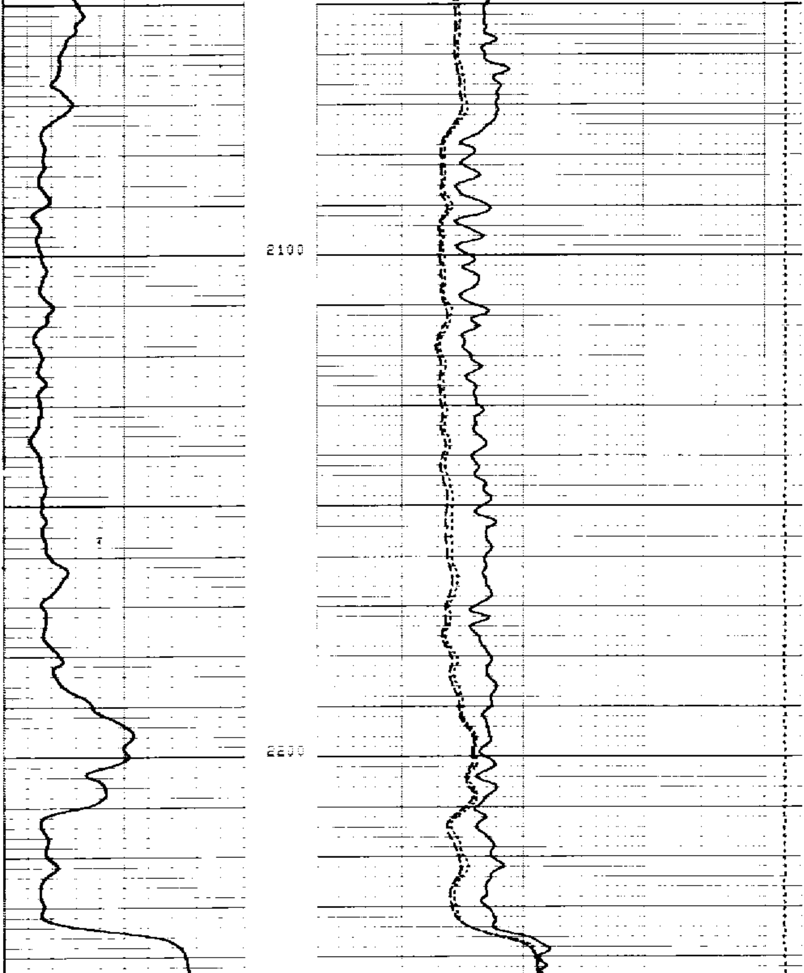


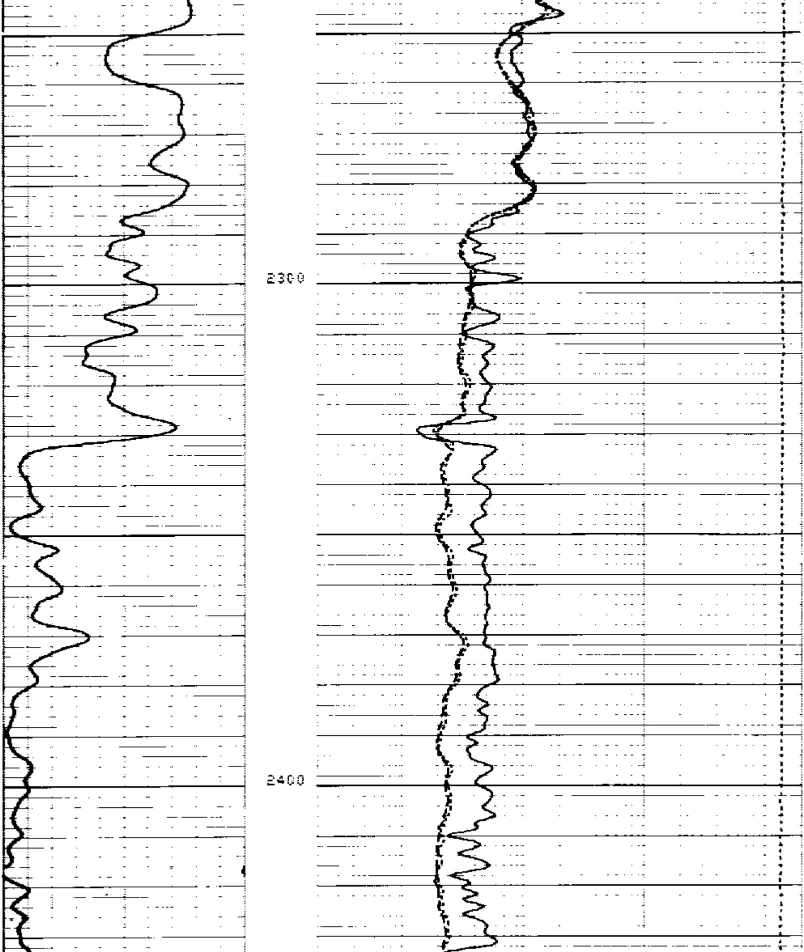


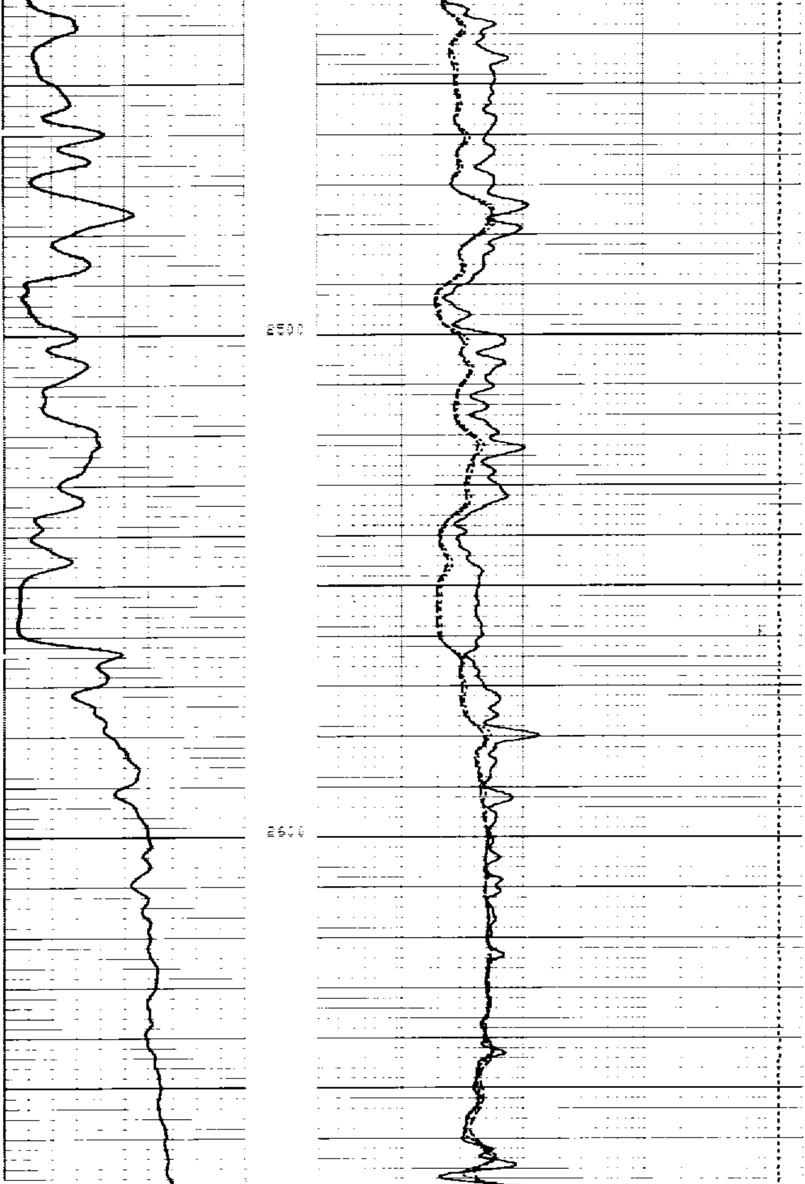


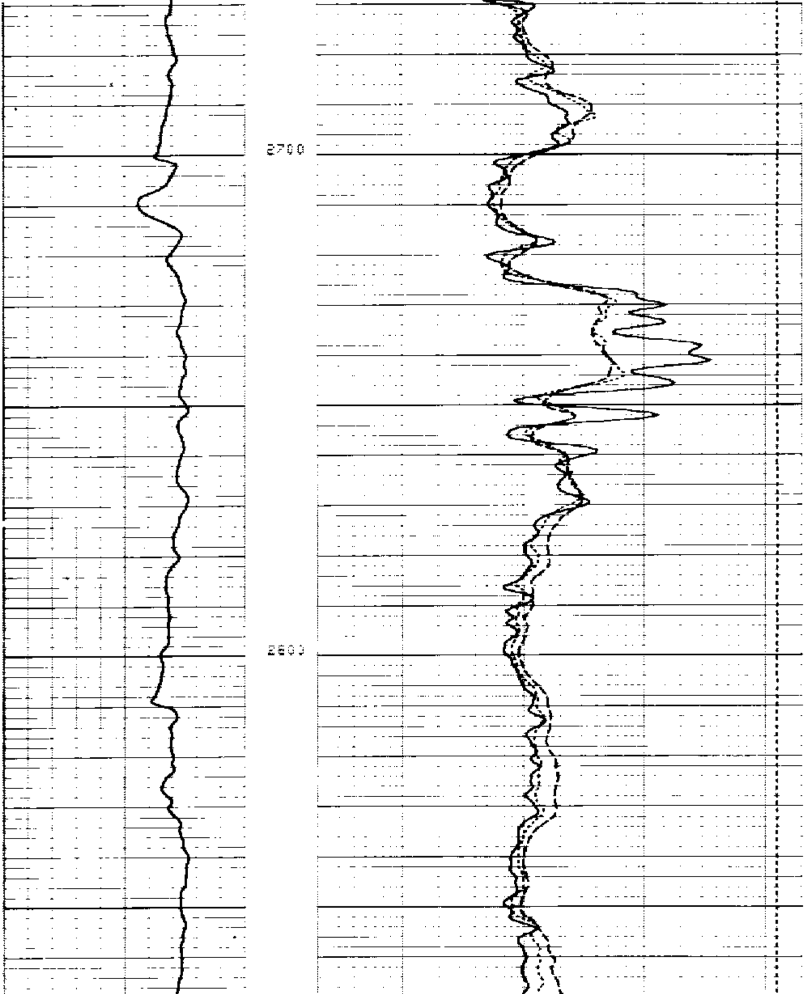


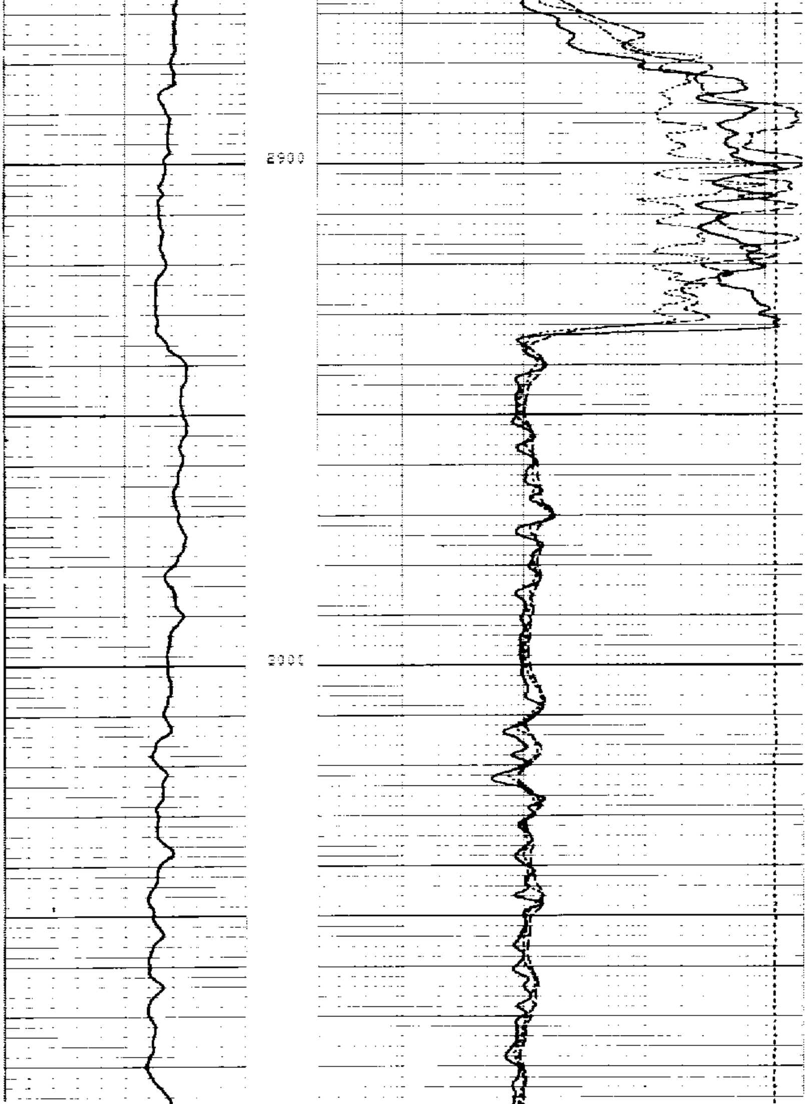


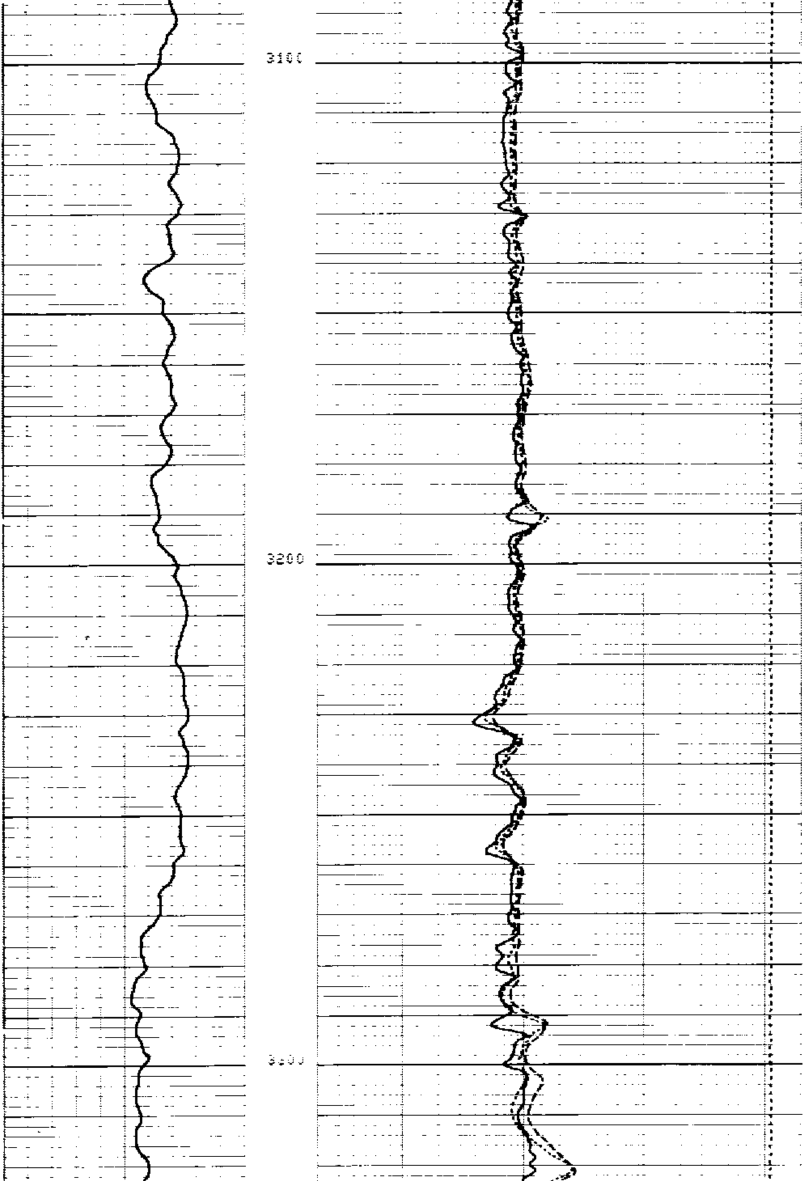


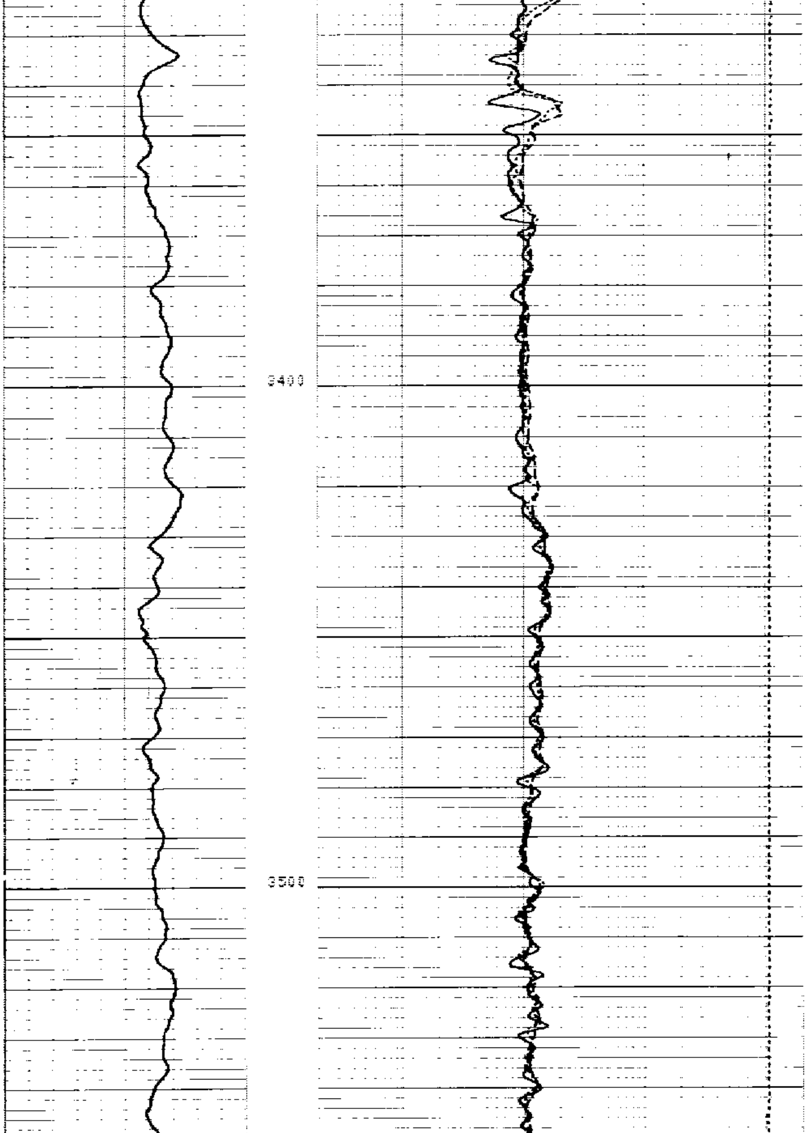


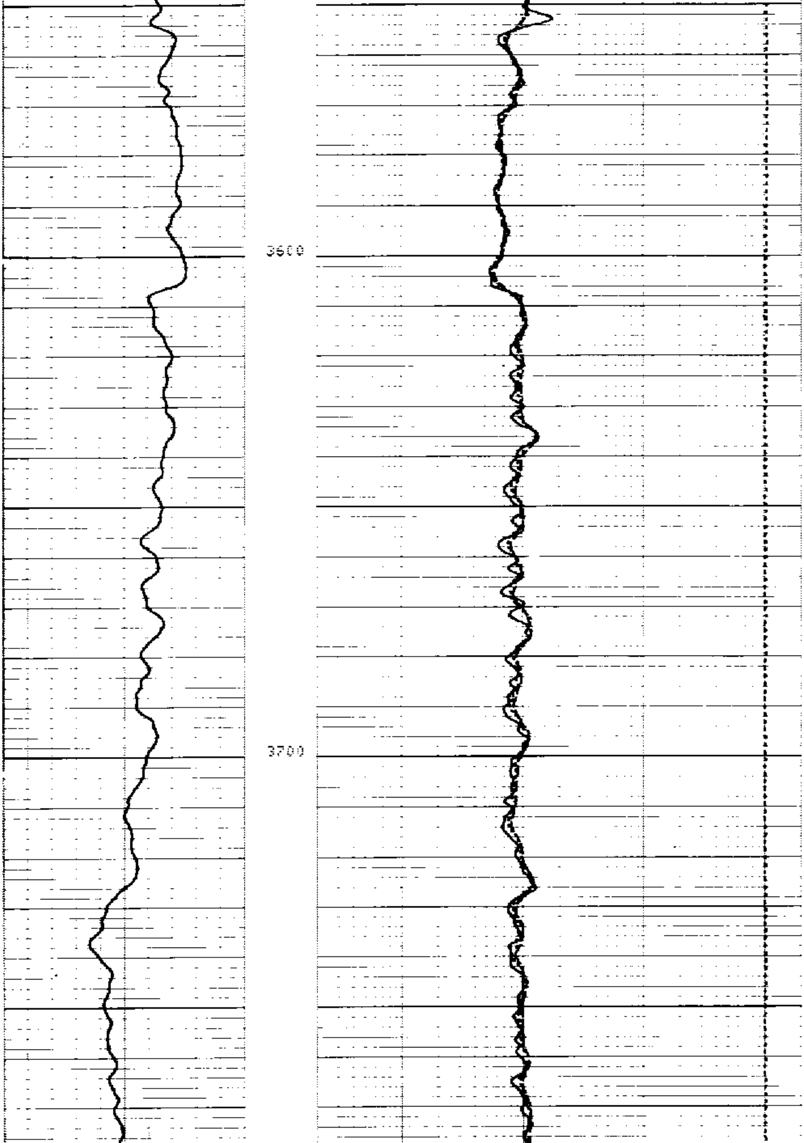


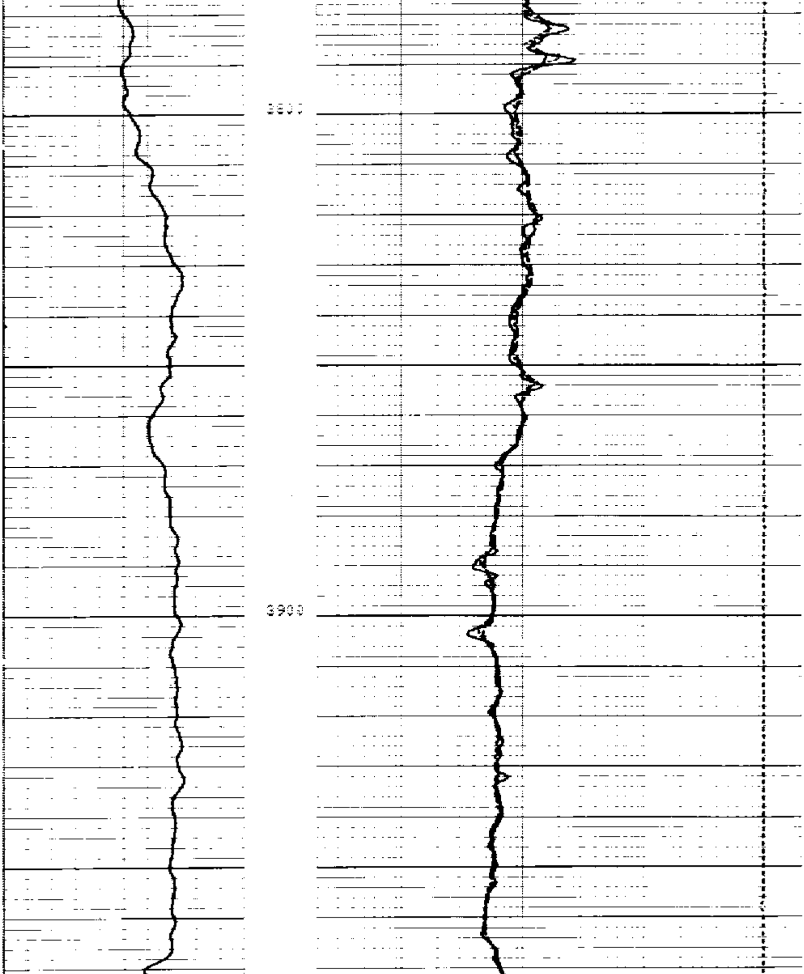


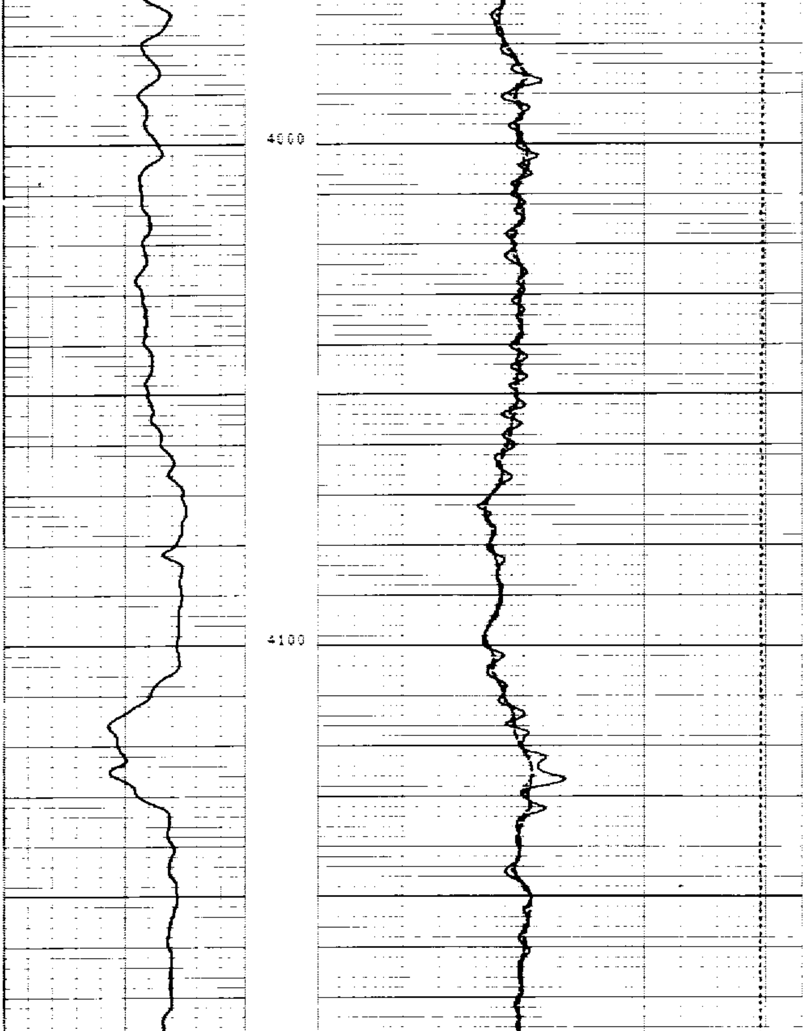


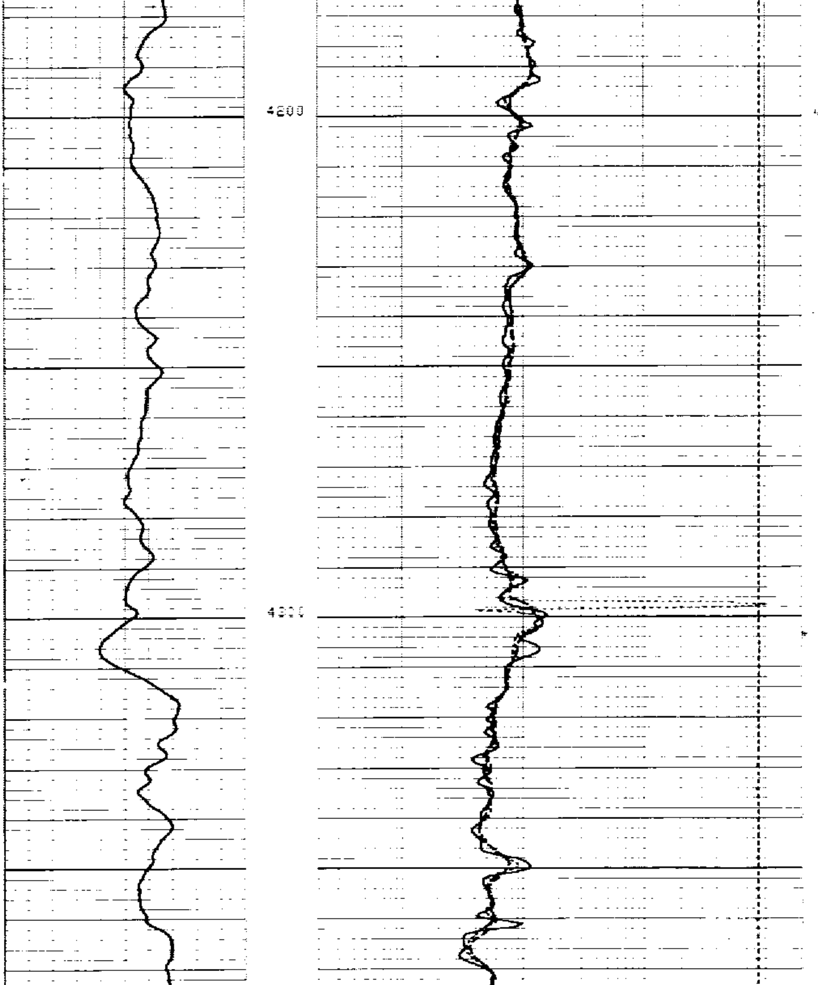


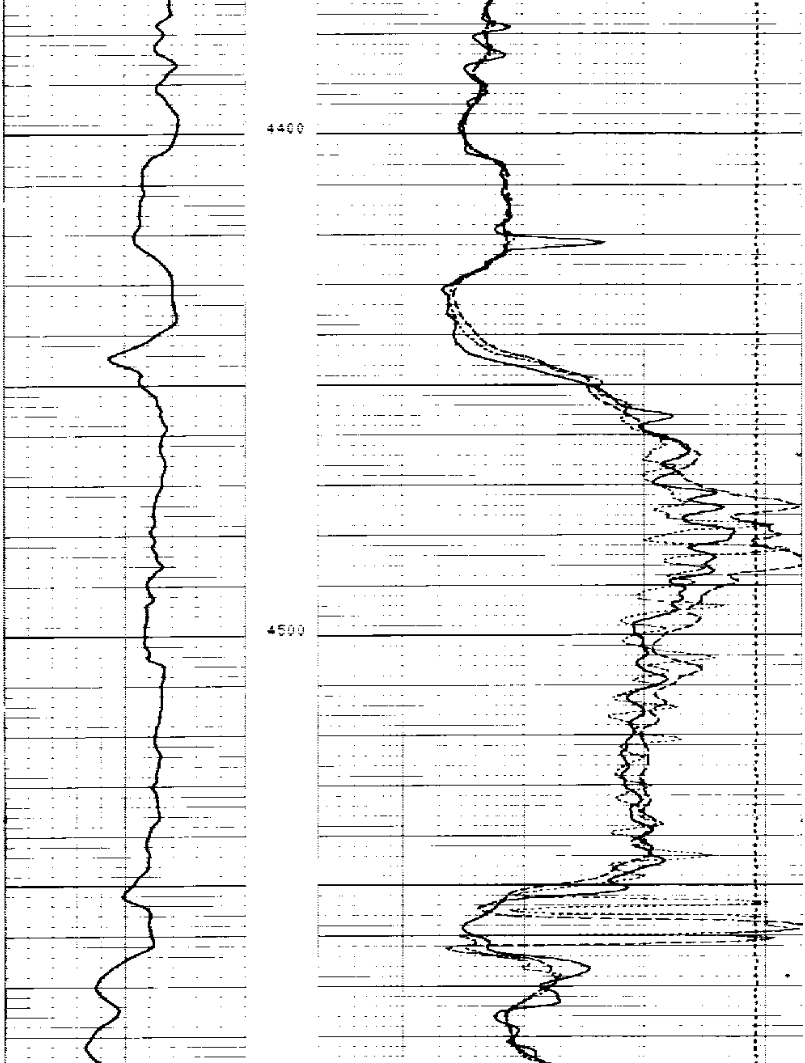


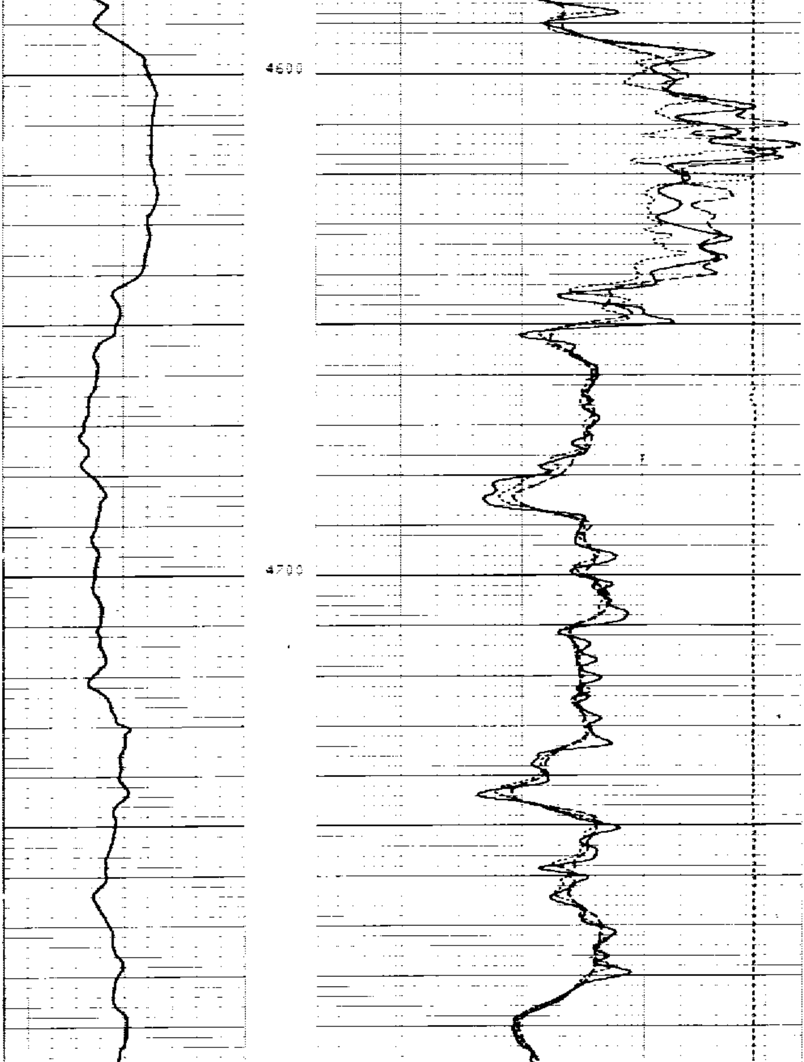


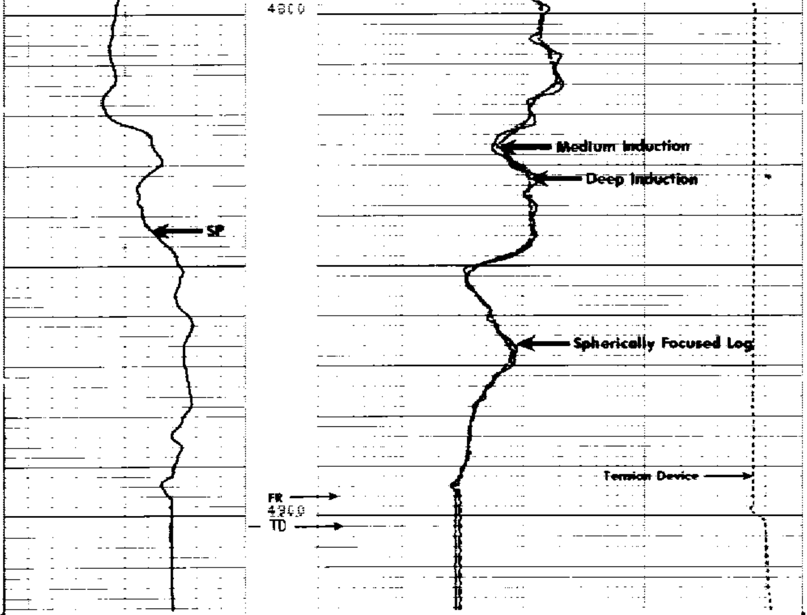












FILE 11 15-APR-85 18:40

TENS(LB)
10000. 0.0

ILD (OHMM)
.20000 2000.0

ILM (OHMM)
.20000 2000.0

SFLU(OHMM)
.20000 2000.0

SP (MV)
-100.0 0.0

SENSOR MEASURE POINT TO TOOL ZERO

SFL 6.4 FEET
SP 2.5 FEET
TENS 2.5 FEET
ILD 9.4 FEET
ILM 5.7 FEET
SPAR 2.5 FEET

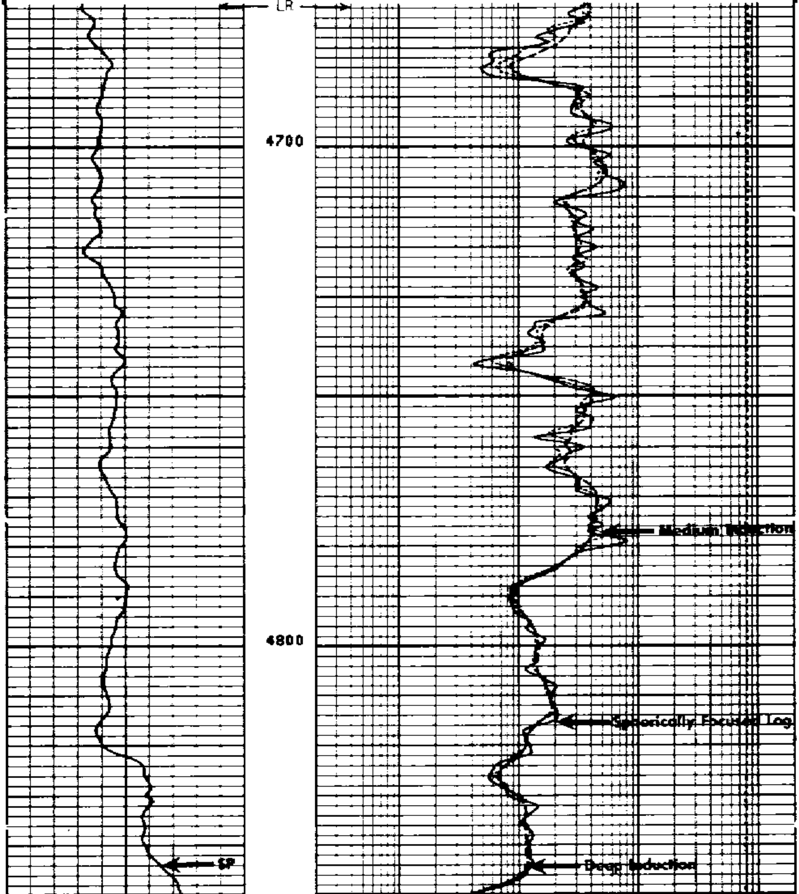
PARAMETERS

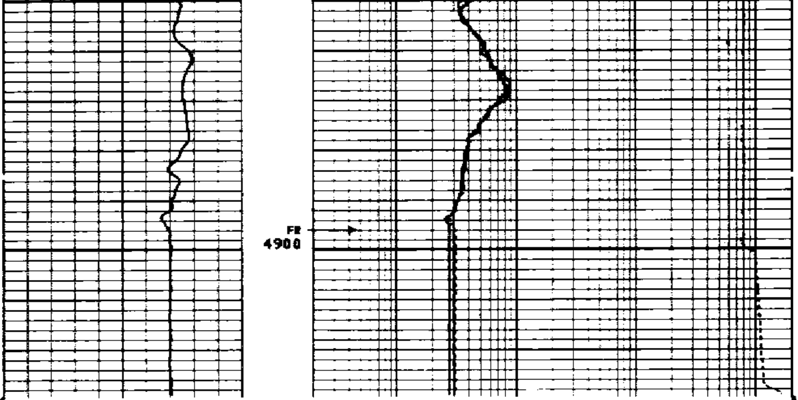
NAME	VALUE	UNIT	NAME	VALUE	UNIT
SBR	1.00000	OHMM	DSEC	6.00000	MMHO
BHS	OPEN		MSEC	6.70000	MMHO
SPDR	.0100000		BS	8.75000	IN

SP (MV)	-100.0	0.0
TENS(LB)	10000.	0.0
ILD (OHMM)	.20000	2000.0
ILM (OHMM)	.20000	2000.0
SFLU(OHMM)	.20000	2000.0

REPEAT SECTION

FILE 10 15-APR-85 18:31





FILE 10 15-APR-85 18:27

TENS(LB)
10000. 0.0

ILD (OHMM)
.20000 2000.0

ILM (OHMM)
.20000 2000.0

SP (MV)
-100.0 0.0

SFLU(OHMM)
.20000 2000.0

SENSOR MEASURE POINT TO TOOL ZERO

SFL	6.4	FEET	ILD	9.4	FEET
SP	2.5	FEET	ILM	5.7	FEET
TENS	2.5	FEET	SPAR	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SBR	1.00000	OHMM	DSEC	6.00000	MMHO
BHS	OPEN		MSEC	6.70000	MMHO
SPDR	.0100000		BS	8.75000	IN

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 85/04/15
PROGRAM FILE: ISM (VERSION 26.2 83/11/17)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	ZERO	PLUS	ZERO	PLUS	UNITS
ILD	.2	550.0	0.0	501.3	MMHO
ILM	.2	552.5	0.0	503.6	MMHO
SFL	.7	524.0	0.0	500.0	MMHO

ILD SONDE ERROR CORRECTION : 6.0 MMHO
ILM SONDE ERROR CORRECTION : 6.7 MMHO

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                         FILE    9      15-APR-85 18:24
                   AFTER SURVEY TOOL CHECK SUMMARY


     PERFORMED:      85/04/15
     PROGRAM FILE: ISM    (VERSION    26.2    83/11/17)


   DITD                        TOOL  CHECK

                       ZERO                          PLUS
              BEFORE       AFTER            BEFORE       AFTER      UNITS
      ILD      0.0           .0             501.9        499.9      MMHO
      ILM      0.0           .0             503.6        501.8      MMHO
      SFL      0.0          -.1             500.0        497.6      MMHO

   ILD  SONDE ERROR CORRECTION :          6.0 MMHO
   ILM  SONDE ERROR CORRECTION :          6.7 MMHO
                         FILE    13     15-APR-85 19:25



                    SHOP SUMMARY


     PERFORMED:      85/04/06
     PROGRAM FILE: SHOP   (VERSION    26.2    83/11/17)


   DITD                  ELECTRONICS CALIBRATION SUMMARY

                     TEST LOOP CALIBRATION            TOOL CHECK
                  MEASURED        CALIBRATED          CALIBRATED
                ZERO     PLUS     ZERO       PLUS     ZERO       PLUS   UNITS
      ILD      -3.1     516.9     0.0       499.7     0.0       501.2  MMHO
      ILM      -4.1     499.7     0.0       499.8     0.0       503.5  MMHO
   ILD  SONDE ERROR CORRECTION :          6.0 MMHO
   ILM  SONDE ERROR CORRECTION :          6.7 MMHO

                        (IS:567 , IC:342 )
```