CC 23-19-65

Schlumberger

5" DUAL INDUCTION-SFL

CSU Field Log

COMPANY: ARCO EXPLORATION COMPANY

WELL: "COLUMBIA COUNTY" #23-19

FIELD: MIST-WILDCAT
COUNTY: COLUMBIA
STATE: OREGON
NATION: U.S.A.
LOCATION: 2097.6'E AND 356.66'S
FR WEST 1/4 CORNER
SEC: 19 TWP: 6N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 754.1 F
LOG MEASURED FROM: KB
11.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 765.1 F
DF: 764.1 F
GL: 754.1 F

DATE: 10 JUL 85
RUN NO: 1

DEPTH-DRILLER: 3435.0 F
DEPTH-LOGGER: 3436.0 F
BTM. LOG INTERVAL: 3430.0 F
TOP LOG INTERVAL: 420.0 F

CASING-DRILLER: 420 F
CASING-LOGGER: 420 F
CASING: 9 5/8"

BIT SIZE: 8 3/4"
DEPTH: 3435 F

RECEIVED - PTLD
JUL 11 1985
DEPT. OF GEOLOGY

OTHER SERVICES-
DIL BHC
FDC-CNL-GR
HDT
CST

API SERIAL NO:
36-009-001

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
431981

TYPE FLUID IN HOLE: LIGNITE/DESCO
DENSITY: 10.3 LB/G
VISCOSITY: 45.0 S
PH: 8.8
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 1.770 OHMM AT 75.0 DEGF
RMF: 2.450 OHMM AT 65.0 DEGF
RMC: 2.330 OHMM AT 65.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.170 OHMM AT 117. DEGF
RMF AT BHT: 1.422 OHMM AT 117. DEGF
RMC AT BHT: 1.352 OHMM AT 117. DEGF

TIME CIRC. STOPPED: 7/10 1130
TIME LOGGER ON BTM.: 1513

MAX. REC. TEMP: 117.0 DEGF

LOGGING UNIT NO: 8057
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: ANDERSEN
WITNESSED BY: BUIKEMA

REMARKS:

950 PPM CHLORIDES
INDUCTION AND SONIC RUN IN COMBINATION.
CME-Z AND FINS USED FOR CENTRALIZATION.

EQUIPMENT NUMBERS-

DIS-EC 567	DIC-DA 552	MCD-D 1237	SLS-RC 252
SLC-FA 1321	IEM-BD 304	SLM-DA 383	

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 104 10-JUL-85 16:46
DATA ACQUIRED 10-JUL-85 16:08

CHANGED PARAMETERS

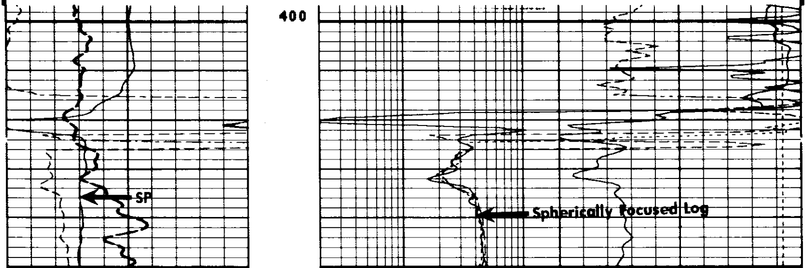
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
SPDR	0.0		3439.0	SPDR	.0050000		3370.5

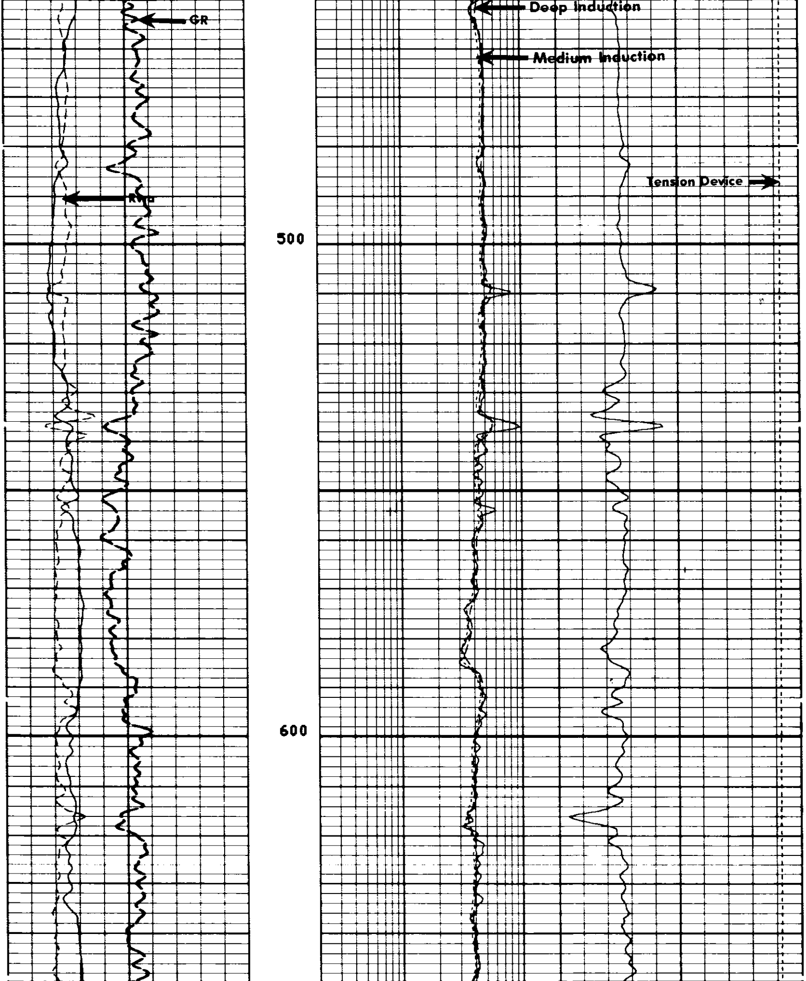
TENS(LB)
10000. 0.0
DT (US/F)
150.00 50.000

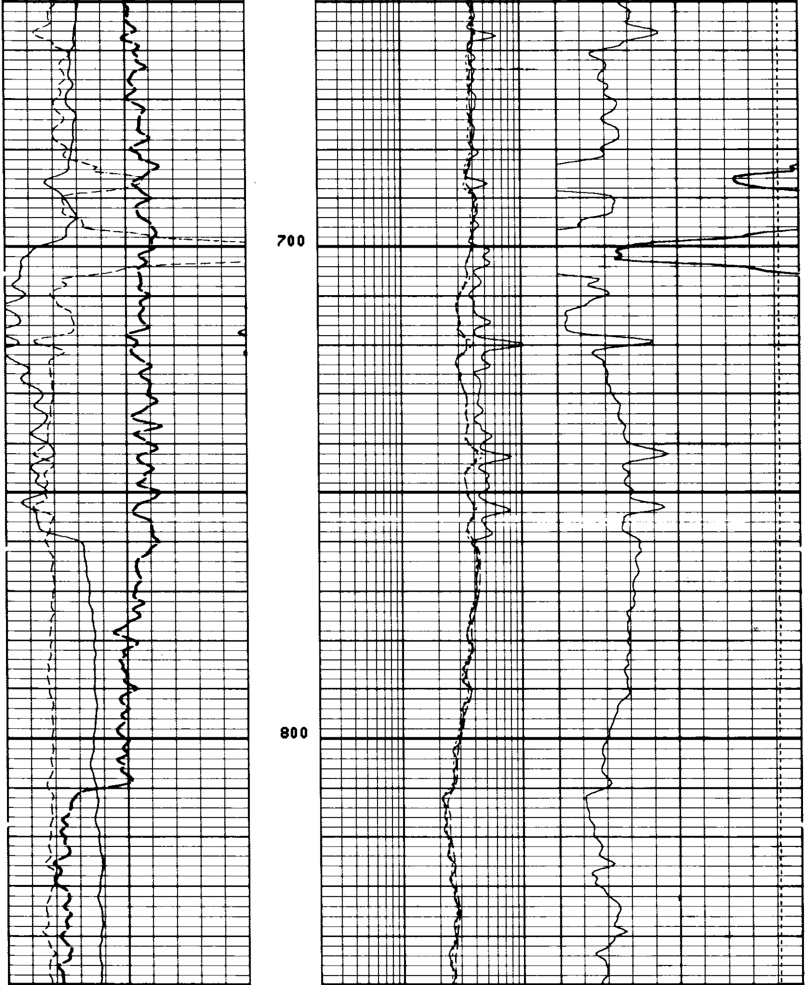
RWA (OHMM)
0.0 5.0000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

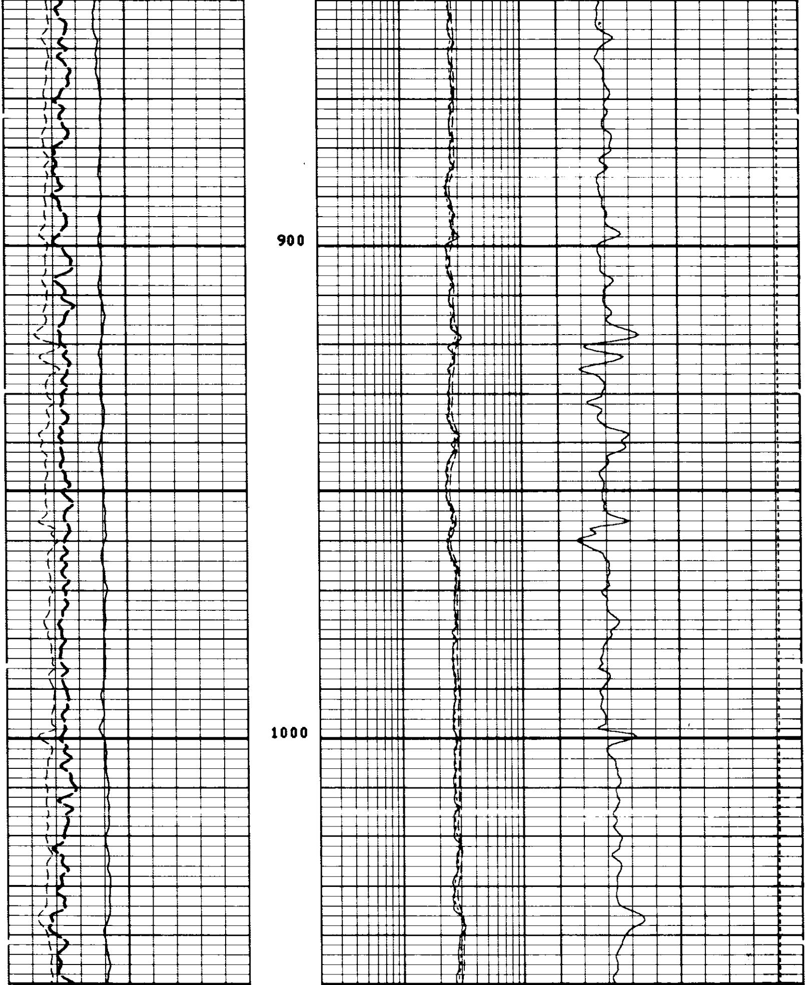
ILD (OHMM)
.20000 2000.0
ILM (OHMM)
.20000 2000.0
SFLU(OHMM)
.20000 2000.0

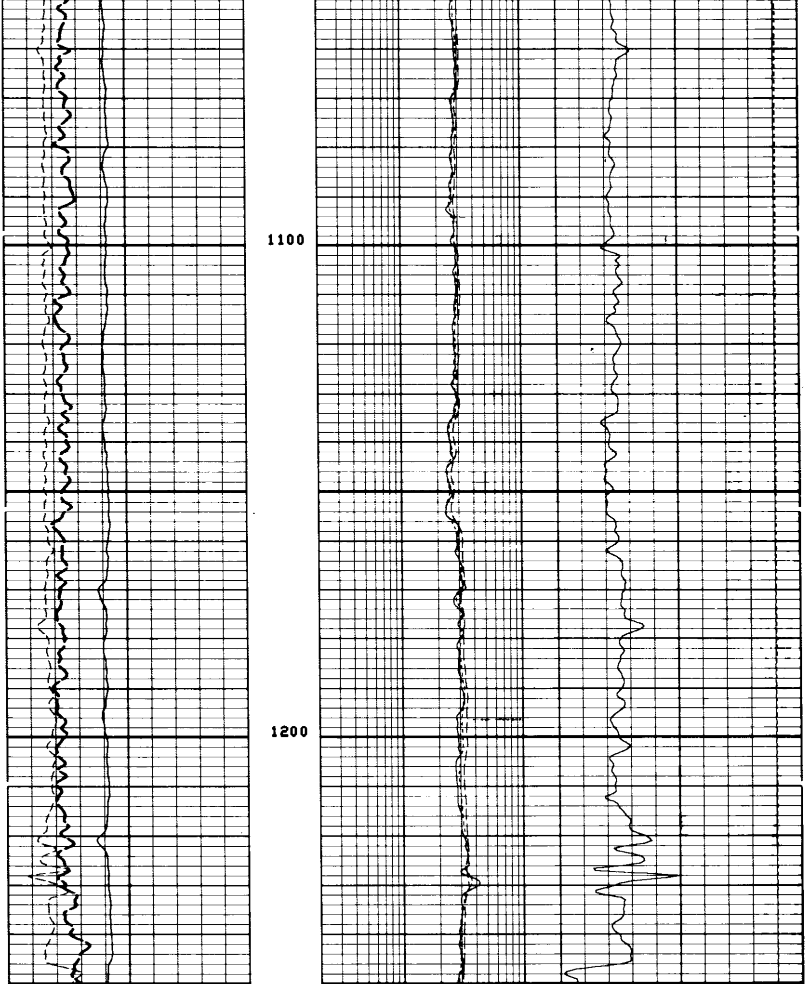
FILE 6 10-JUL-85 16:08

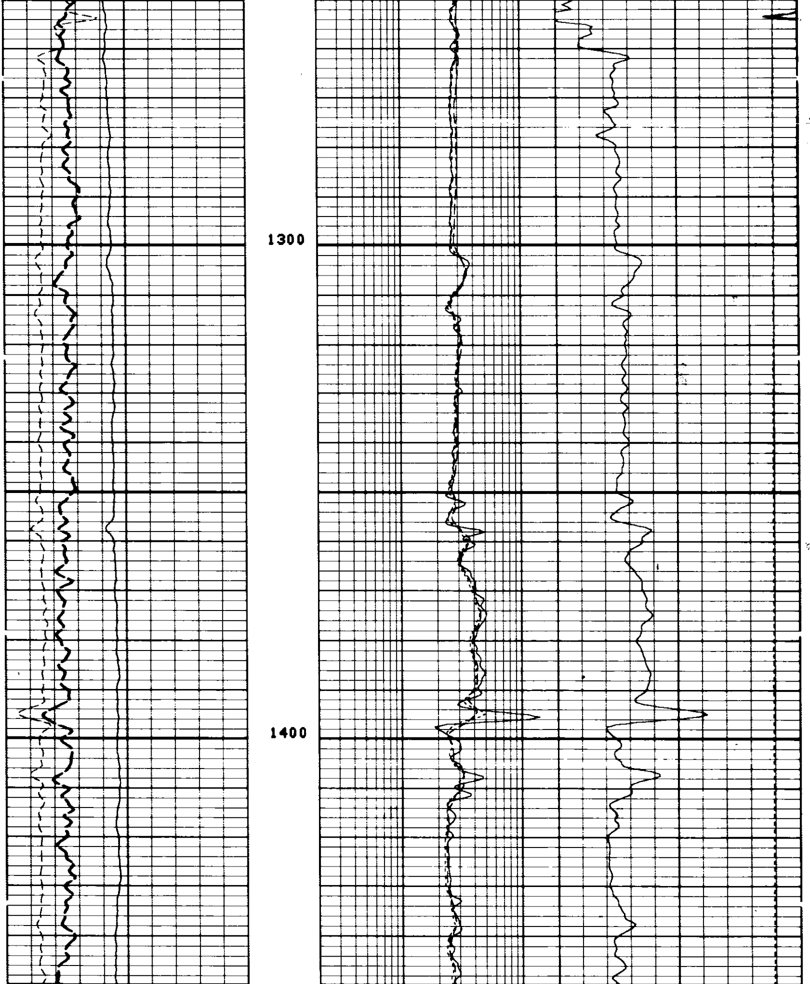


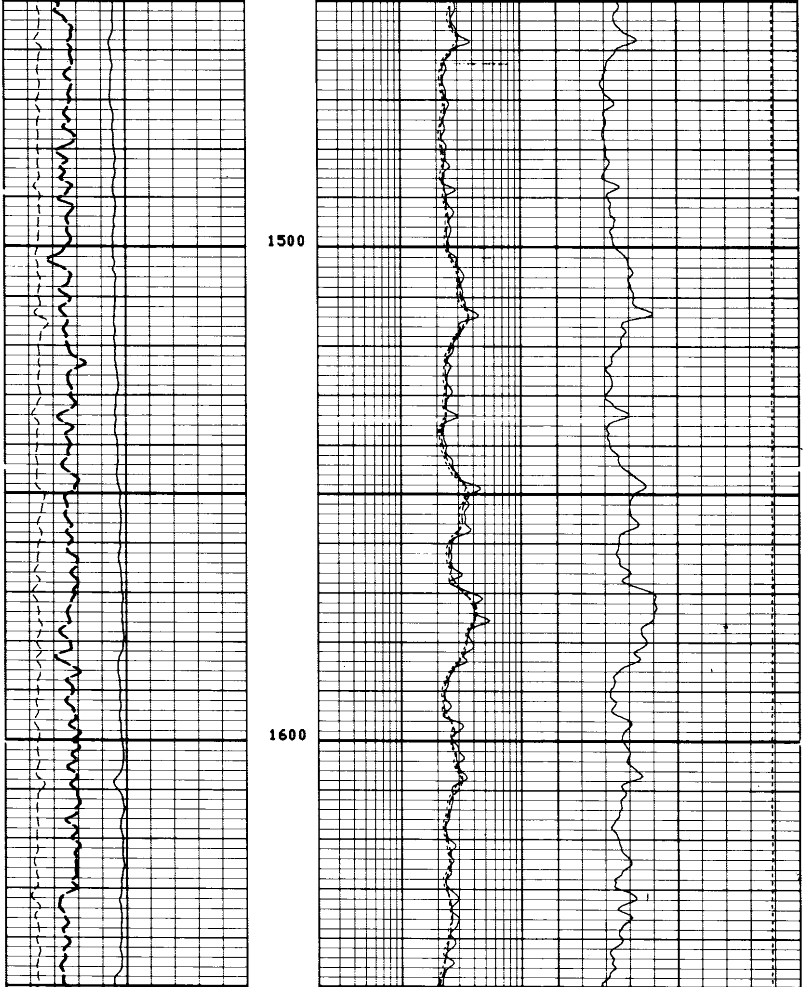


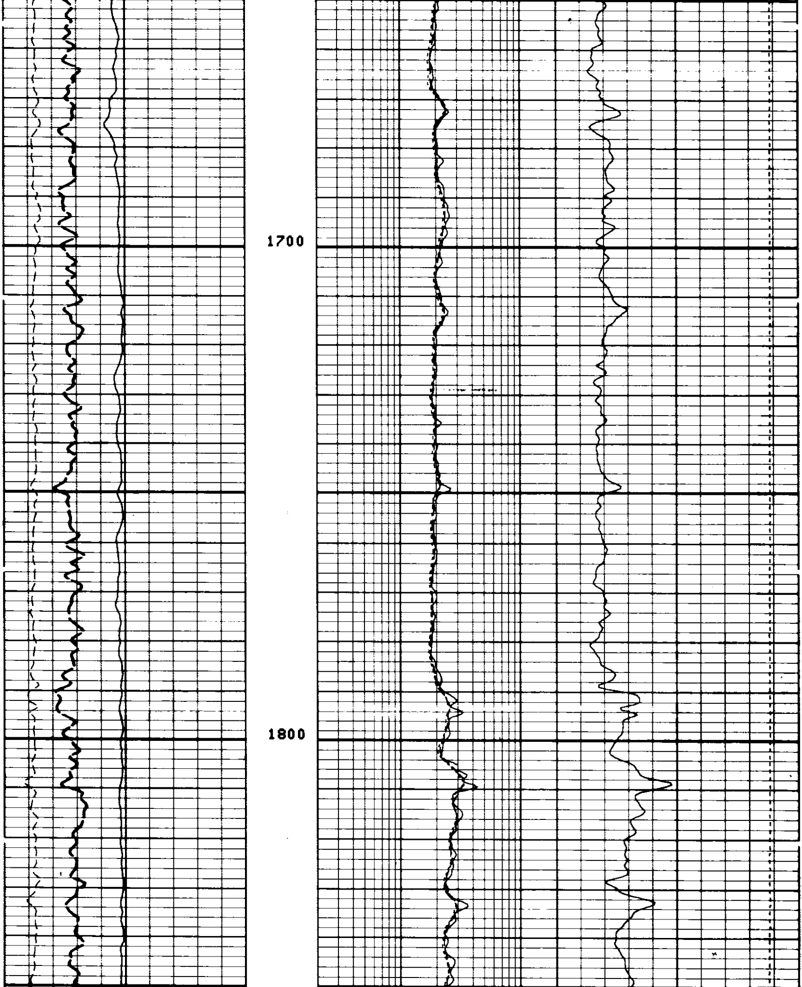


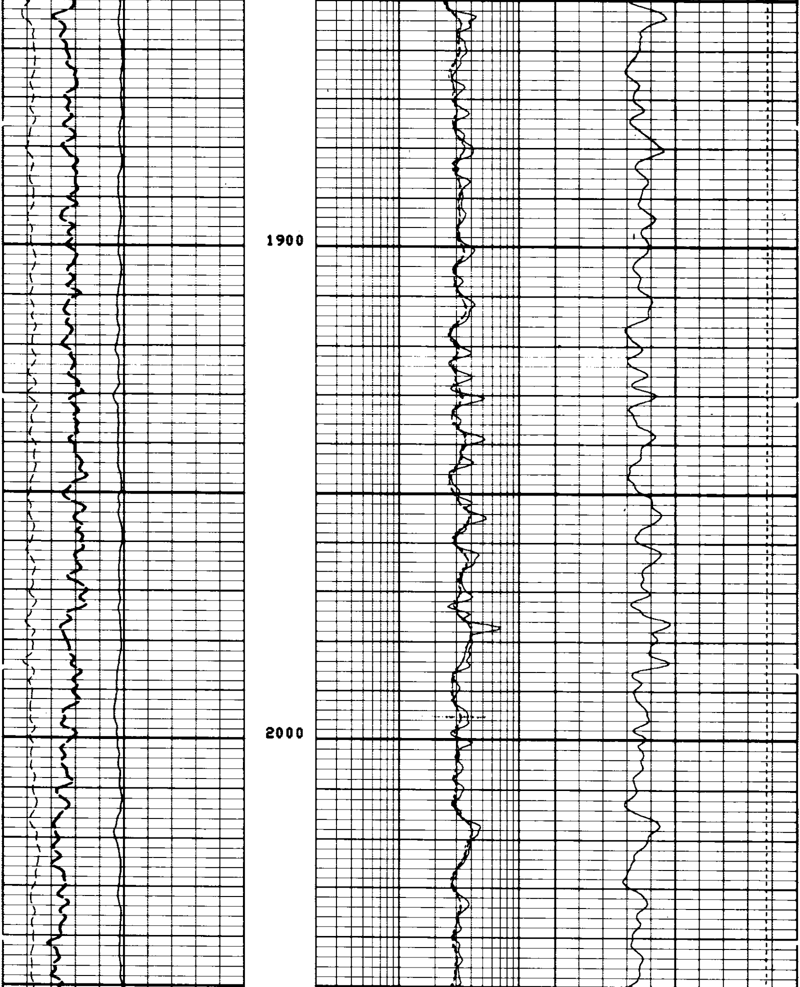


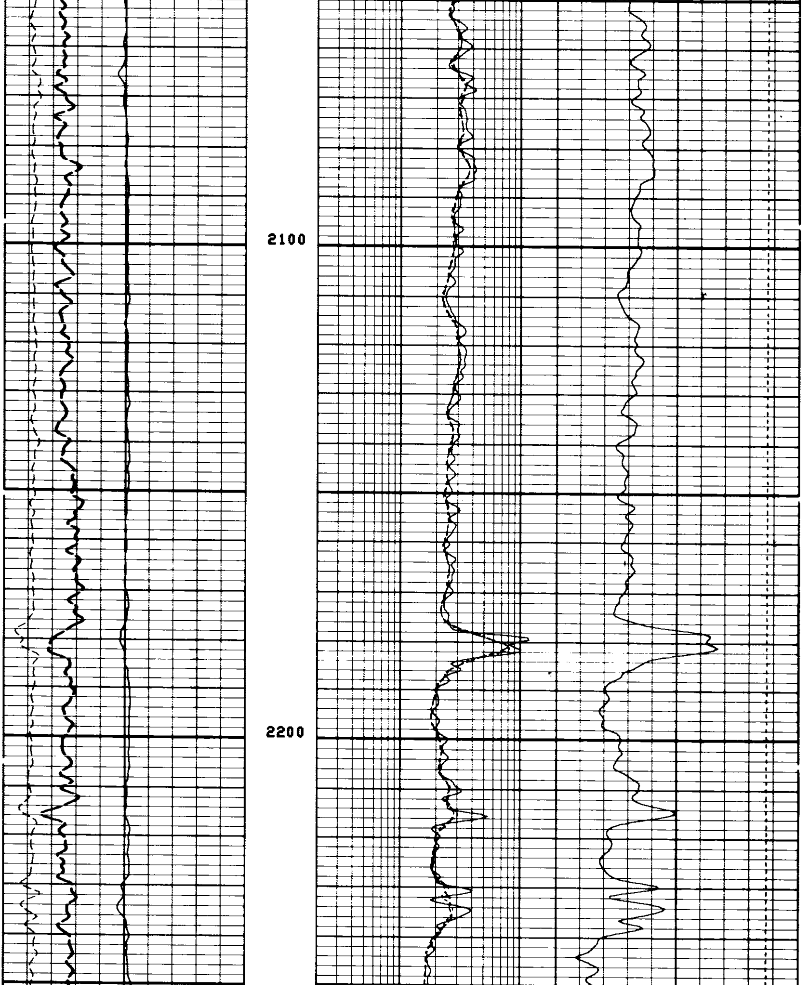


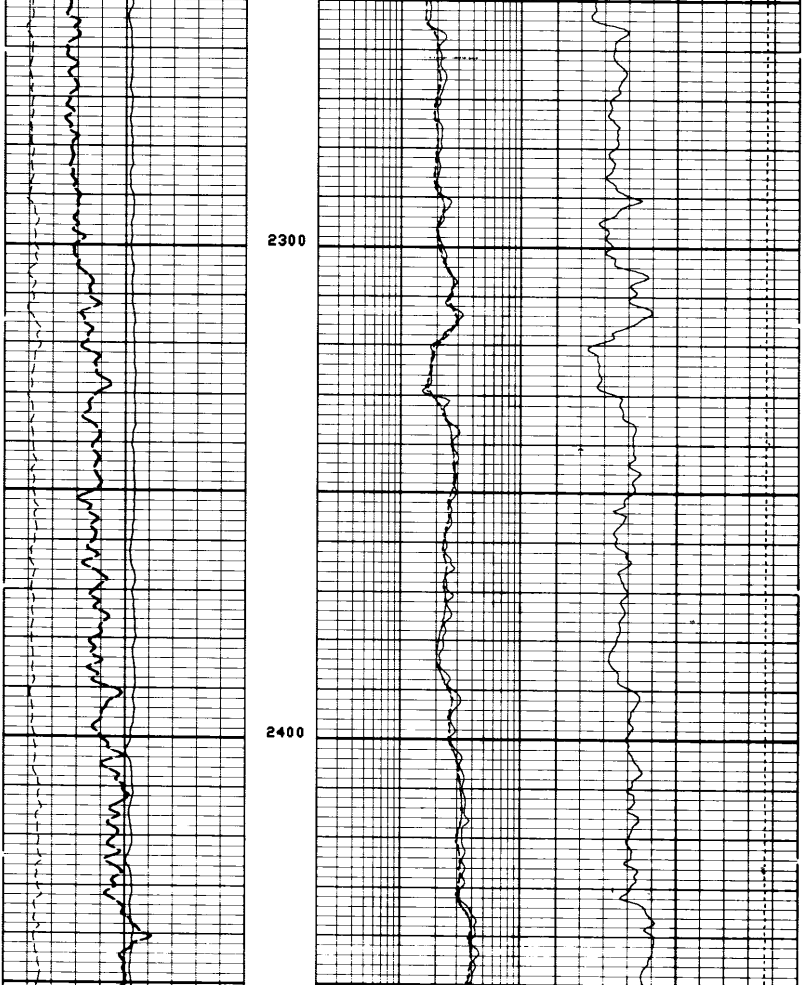


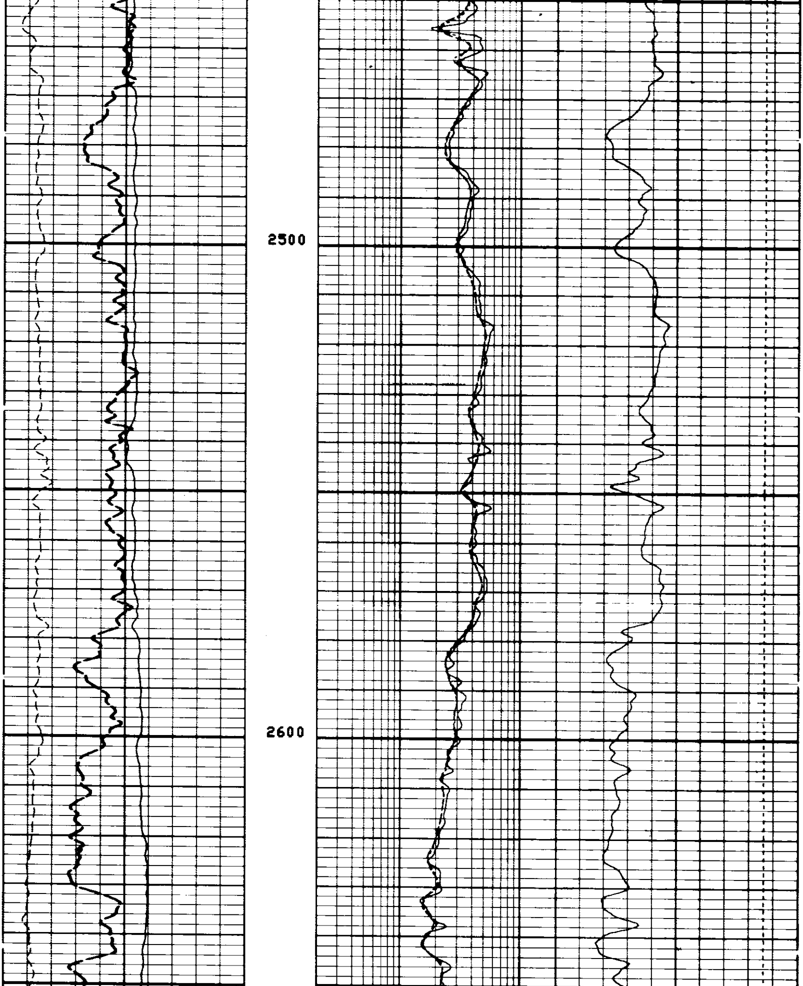


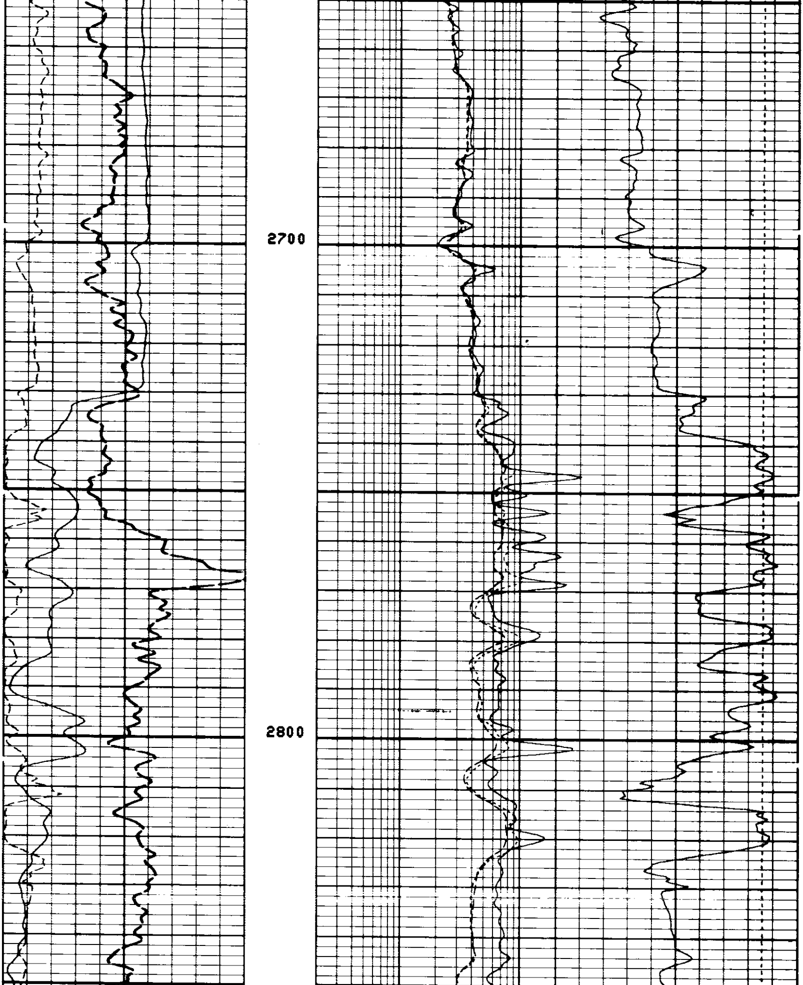


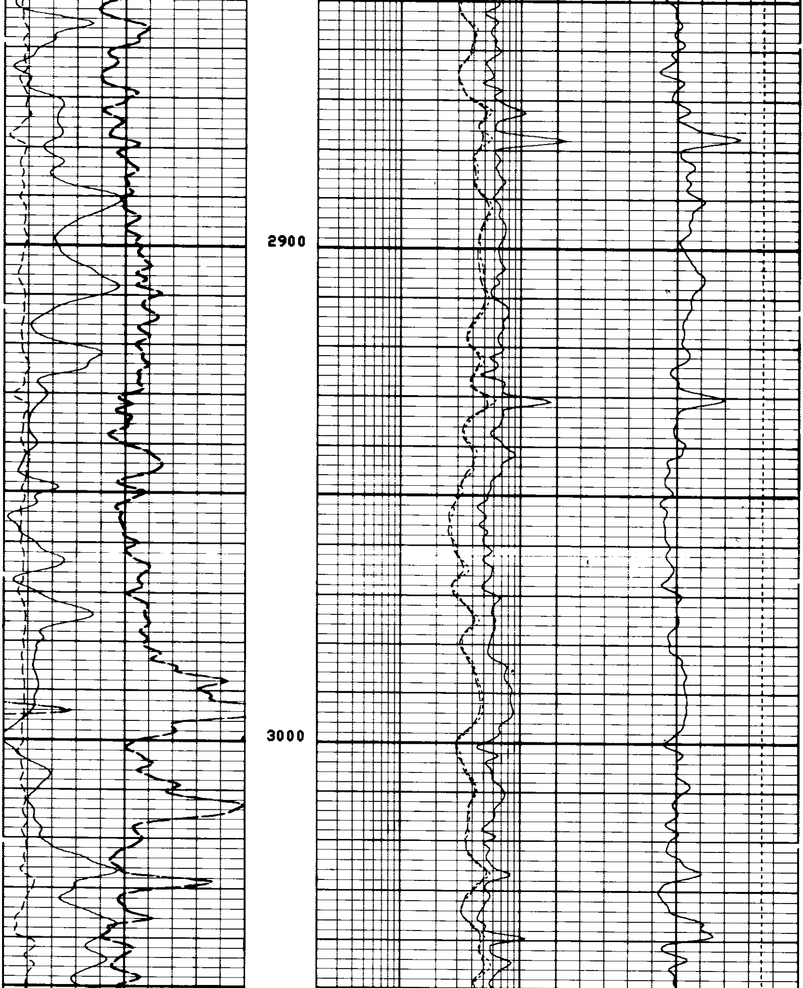


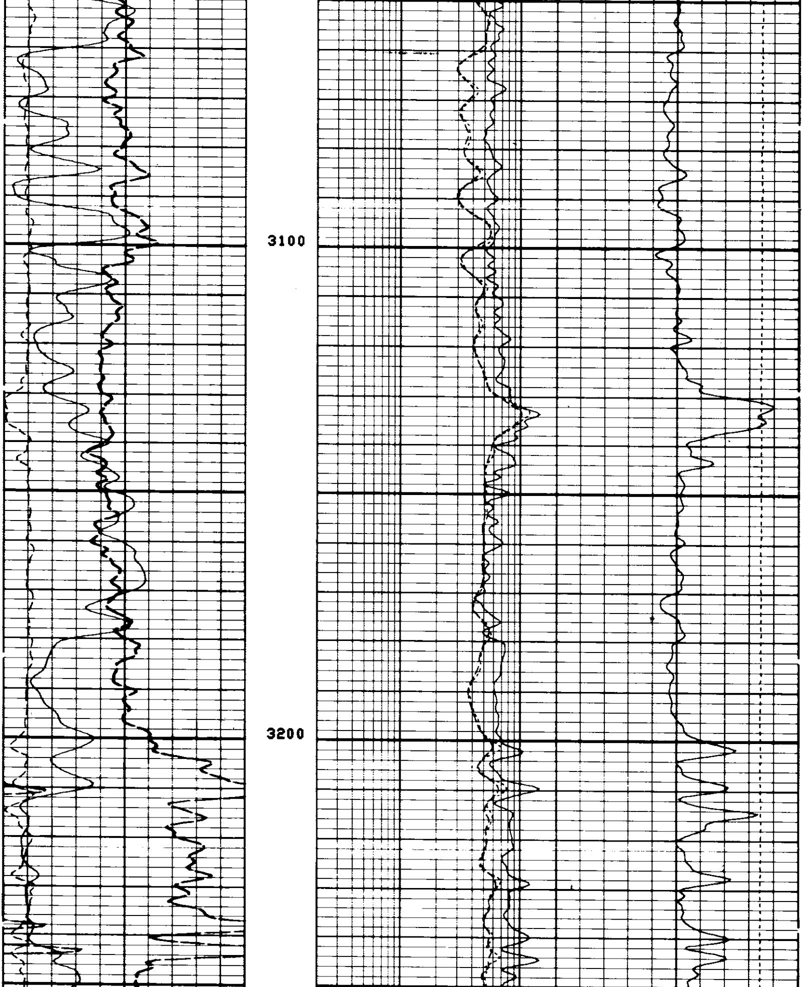


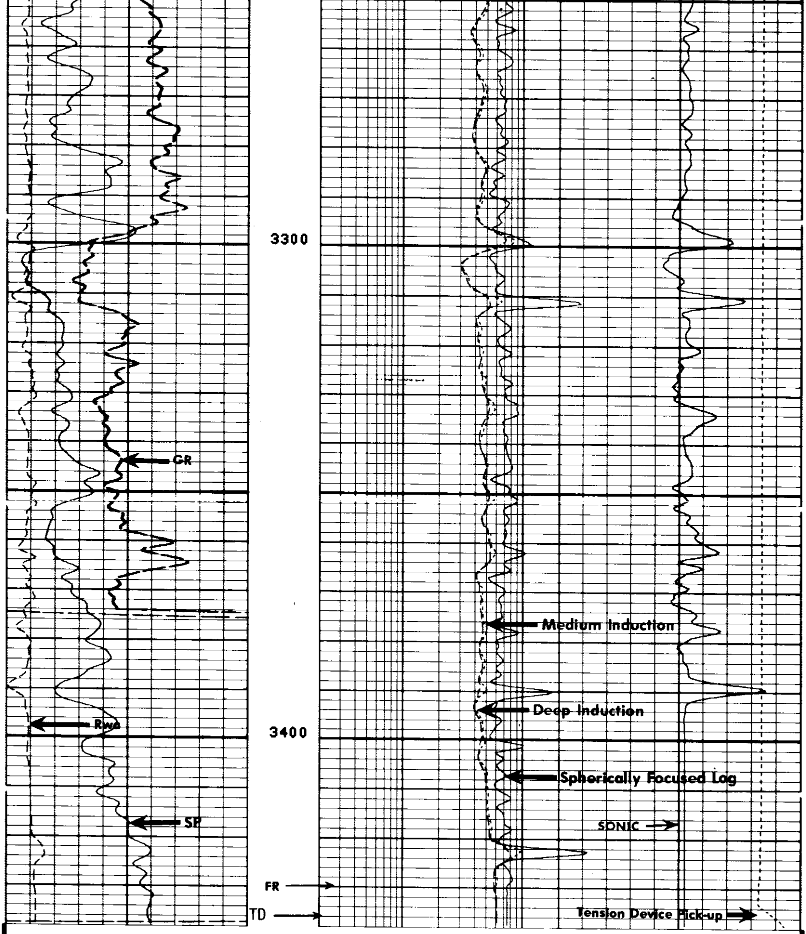












FILE 6 10-JUL-85 15:10

RWA (OHMM)		ILD (OHMM)	
0.0	5.0000	.20000	2000.0
GR (GAPI)		ILM (OHMM)	
0.0	150.00	.20000	2000.0
SP (MV)		SFLU(OHMM)	
-100.0	0.0	.20000	2000.0

TENS(LB)
10000. 0.0
DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	43.9	FEET	AMPL	43.9	FEET
TT3	40.1	FEET	TT4	39.1	FEET
TT1	42.9	FEET	TT2	43.9	FEET
GR	64.0	FEET	SRAT	41.4	FEET
ILD	9.4	FEET	CALI	31.8	FEET
ILM	5.7	FEET	SFL	6.4	FEET
SPAR	2.5	FEET	SP	2.5	FEET
NOIS	35.6	FEET	TENS	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	6.00000	MMHO
FPHI	SPHI		MSEC	6.80000	MMHO
BS	8.75000	IN	BHS	OPEN	

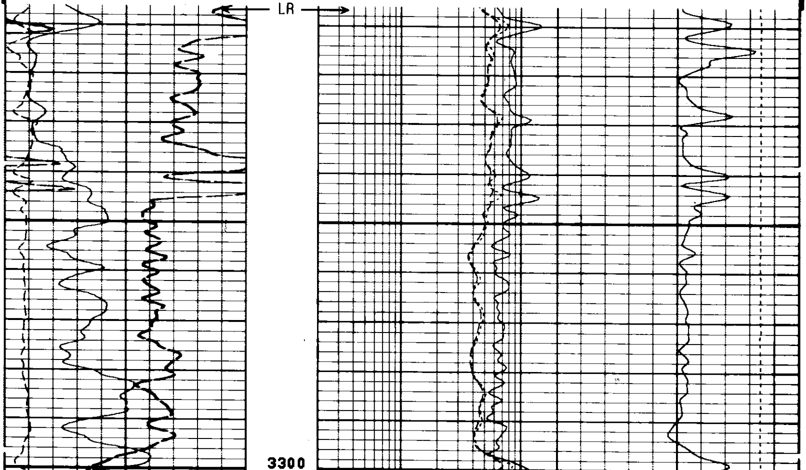
TENS(LB)
10000. 0.0
DT (US/F)
150.00 50.000

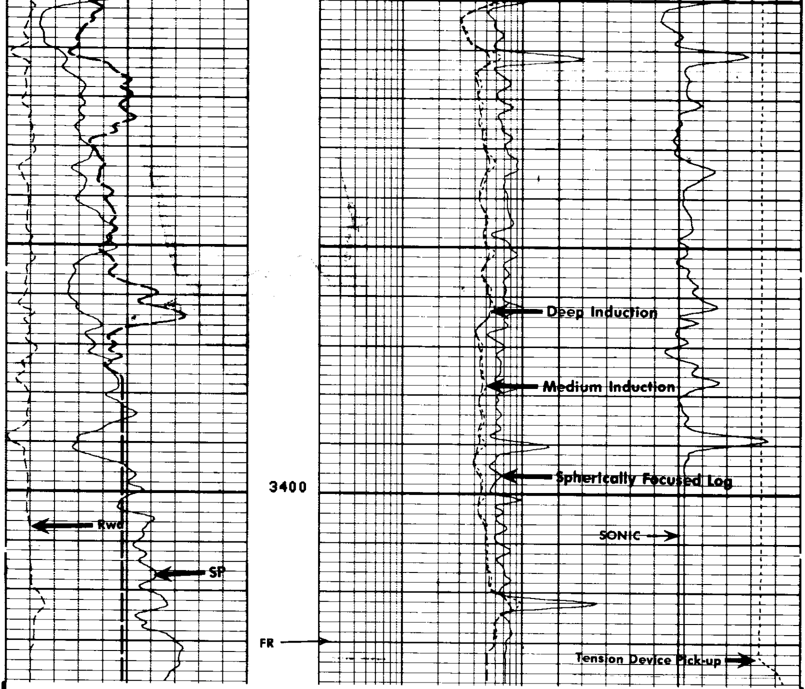
RWA (OHMM)
0.0 5.0000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

ILD (OHMM)
.20000 2000.0
ILM (OHMM)
.20000 2000.0
SFLU(OHMM)
.20000 2000.0

REPEAT SECTION

FILE 5 10-JUL-85 15:09





FILE 5 10-JUL-85 15:04 **REPEAT SECTION**

TENS(LB)
10000. 0.0
DT (US/F)
150.00 50.000

RWA (OHMM)
0.0 5.0000
GR (GAPI)
0.0 150.00
SP (MV)
-100.0 0.0

ILD (OHMM)
.20000 2000.0
ILM (OHMM)
.20000 2000.0
SFLU(OHMM)
.20000 2000.0

SENSOR MEASURE POINT TO TOOL ZERO

CBL	43.9	FEET	AMPL	43.9	FEET
TT3	40.1	FEET	TT4	39.1	FEET
TT1	42.9	FEET	TT2	43.9	FEET
GR	64.0	FEET	SRAT	41.4	FEET
ILD	9.4	FEET	CALI	31.8	FEET
ILM	5.7	FEET	SFL	6.4	FEET
SPAR	2.5	FEET	SP	2.5	FEET
NOIS	35.6	FEET	TENS	2.5	FEET

PARAMETERS

```
NAME  VALUE     UNIT                         NAME  VALUE     UNIT

WSV1  WF1                                    DWS   16
DSIN  5         US                           DDEL  200       US
CDTS  100.000                                DWCD  512
DTF   189.000   US/F                         DTM   56.0000   US/F
SBR   1.00000   OHMM                         DSEC  6.00000   MMHO
FPHI  SPHI                                   MSEC  6.80000   MMHO
BS    8.75000   IN                           BHS   OPEN
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                    BEFORE SURVEY CALIBRATION SUMMARY


   PERFORMED:       85/07/10
   PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)


 DITD                  ELECTRONICS CALIBRATION SUMMARY

              MEASURED                          CALIBRATED
            ZERO     PLUS                     ZERO       PLUS           UNITS
    ILD      .0      560.9                    0.0        498.8          MMHO
    ILM      .0      561.3                    0.0        500.0          MMHO
    SFL      .3      520.0                    0.0        500.0          MMHO

 ILD  SONDE ERROR CORRECTION :          6.0 MMHO
 ILM  SONDE ERROR CORRECTION :          6.8 MMHO


 SGTE                  DETECTOR CALIBRATION SUMMARY

              MEASURED
            BKGD     JIG          CALIBRATED          UNITS
     GR      53      210             165              GAPI


 MCDD                  CALIPER CALIBRATION SUMMARY

              MEASURED                          CALIBRATED
            SMALL    LARGE                    SMALL      LARGE          UNITS
   CALI      7.5     10.6                      5.0        9.0            IN

                         FILE    4        10-JUL-85 15:00
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                    AFTER SURVEY TOOL CHECK SUMMARY


   PERFORMED:       85/07/10
   PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)


 DITD                         TOOL  CHECK

                        ZERO                          PLUS
              BEFORE             AFTER        BEFORE       AFTER       UNITS
    ILD        0.0                 .0         498.8        499.1       MMHO
    ILM        0.0                -.0         500.0        500.0       MMHO
    SFL        0.0                -.0         500.0        498.5       MMHO

 ILD  SONDE ERROR CORRECTION :          6.0 MMHO
 ILM  SONDE ERROR CORRECTION :          6.8 MMHO

                         FILE    8        10-JUL-85 16:10
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                    SHOP SUMMARY


   PERFORMED:       85/06/10
   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     -6.0     539.2      0.0      500.0        0.0       499.0    MMHO
    ILM     -7.6     541.5      0.0      500.0        0.0       500.0    MMHO
 ILD  SONDE ERROR CORRECTION :          6.0 MMHO
 ILM  SONDE ERROR CORRECTION :          6.8 MMHO

                       (IS:567 , IC:552 )
```