CC 43-34-65

DUAL INDUCTION-SFL 5"

CSU

COMPANY: REICHHOLD ENERGY CORPORATION

WELL: COLUMBIA COUNTY 43-34

RECEIVED - PTLD
MAY 15 1985
DEPT. OF GEOLOGY
& MINERAL INDUS.

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 2116'N & 1079'W FR SE COR

SEC: 34 TWP: 6N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 807.6 F
LOG MEASURED FROM: KB
11.5 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 819.1 F
DF:
GL: 807.6 F

DATE: 18 MAR 85
RUN NO: 1

DEPTH-DRILLER: 2100.0 F
DEPTH-LOGGER: 2098.0 F
BTM. LOG INTERVAL: 2092.0 F
TOP LOG INTERVAL: 431.0 F

CASING-DRILLER: 431 F
CASING-LOGGER: 431 F
CASING: 8 5/8"

BIT SIZE: 7 7/8"
DEPTH: 2100 F

OTHER SERVICES-
BHC
HDT
LDT/CNL/GR

PROGRAM
TAPE NO: 26.2
SERVICE
ORDER NO: 432410

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 10.4 LB/G
VISCOSITY: 50.0 S
PH: 9.5
FLUID LOSS: 5.4 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.090 OHMM AT 57.0 DEGF
RMF: 1.680 OHMM AT 49.0 DEGF
RMC: 5.760 OHMM AT 50.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.378 OHMM AT 90.0 DEGF
RMF AT BHT: .969 OHMM AT 90.0 DEGF
RMC AT BHT: 3.384 OHMM AT 90.0 DEGF

TIME CIRC. STOPPED: 13:00 3/18
TIME LOGGER ON BTM.: 15:00 3/18

MAX. REC. TEMP: 90.0 DEGF

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

REMARKS:

CHLORIDES: 700PPM
DIL AND SONIC WERE RUN IN COMBINATION.
FINS AND CMEZ WERE USED FOR CENTRALIZATION.

EQUIPMENT NUMBERS-

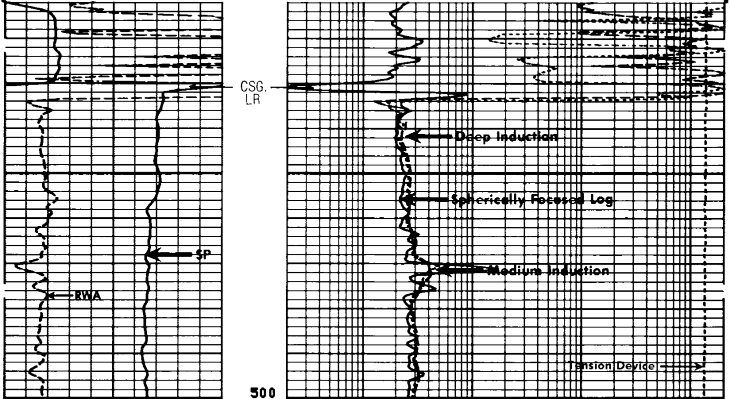
DIS 691	DIC 658	MCD 1237	SLS 252
SLC 1472	IEM 232	SLM 138	

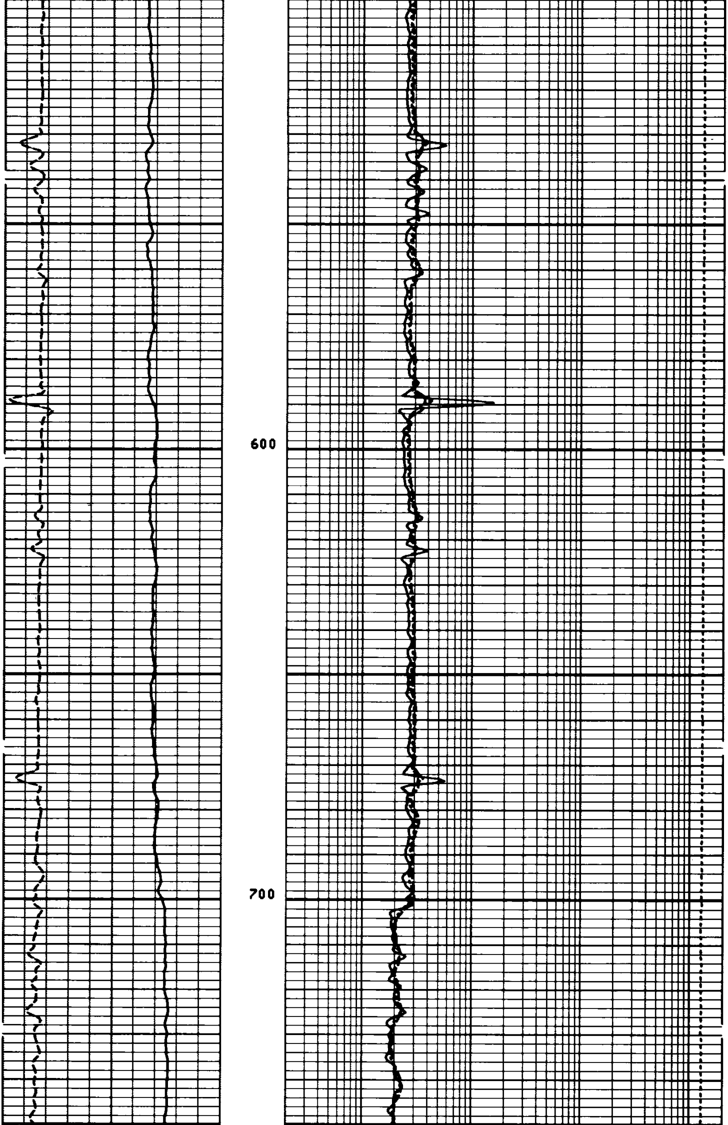
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

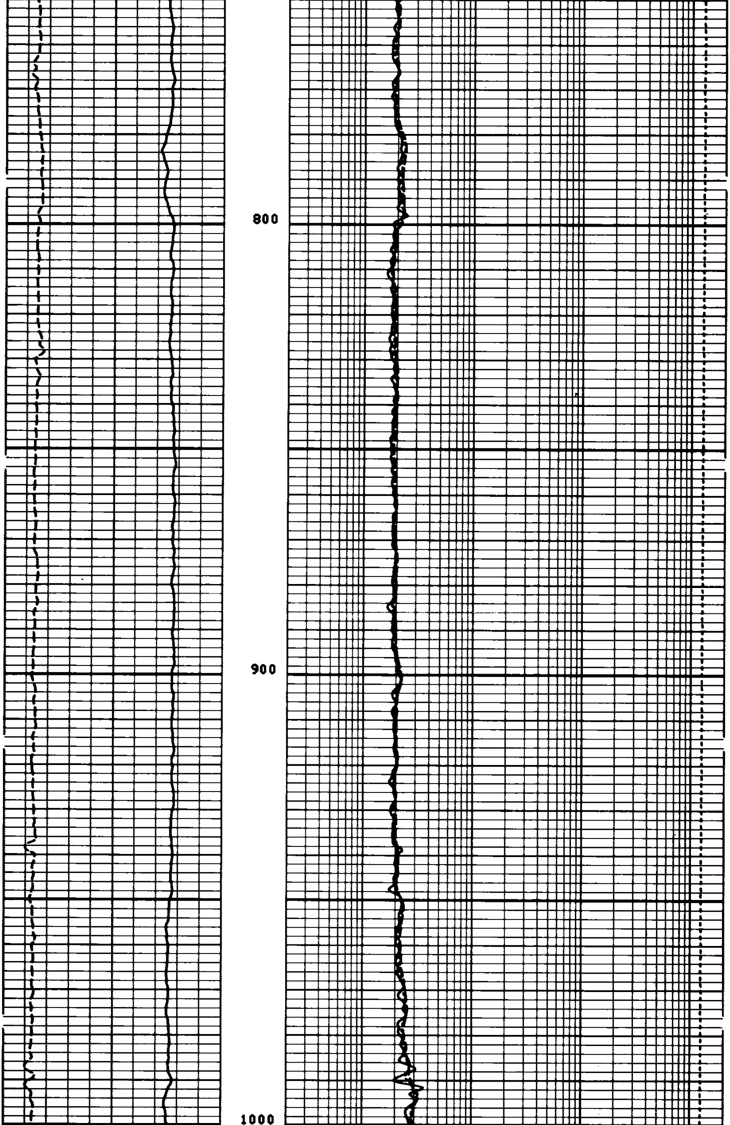
FILE 103 18-MAR-85 16:31
DATA ACQUIRED 18-MAR-85 15:41

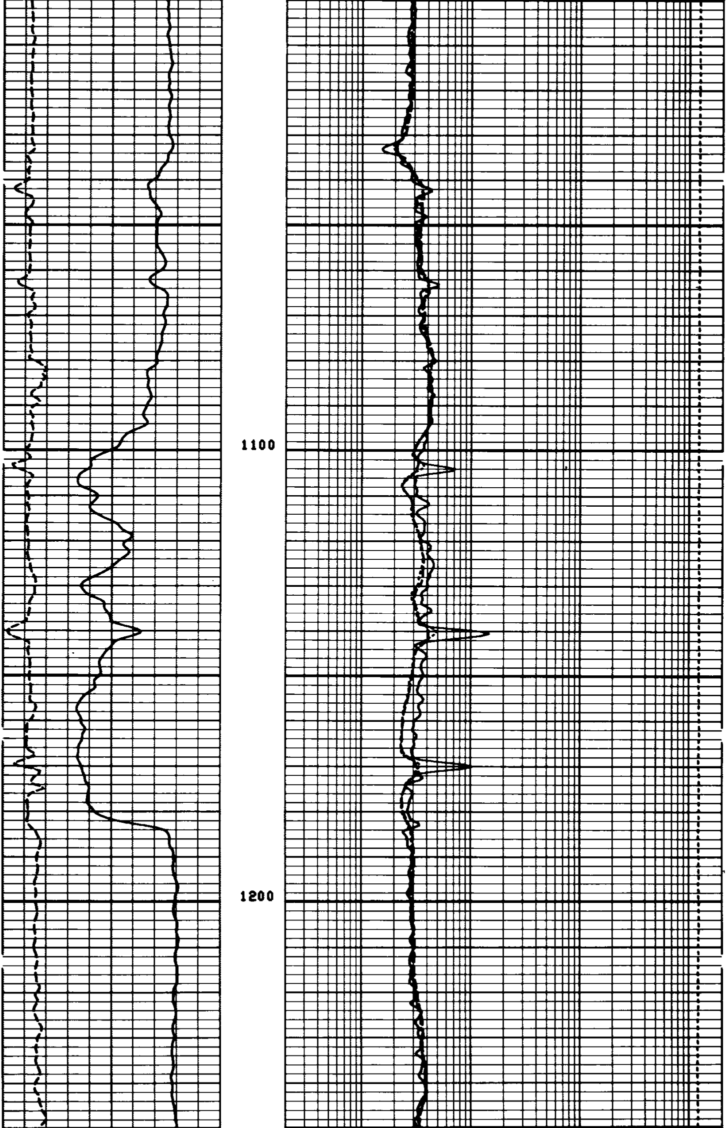
TENS(LB)
5000.0 0.0
ILD (OHMM)
.20000 2000.0
RWA (OHMM)
0.0 3.0000
ILM (OHMM)
.20000 2000.0
SP (MV)
-100.0 0.0
SFLU(OHMM)
.20000 2000.0

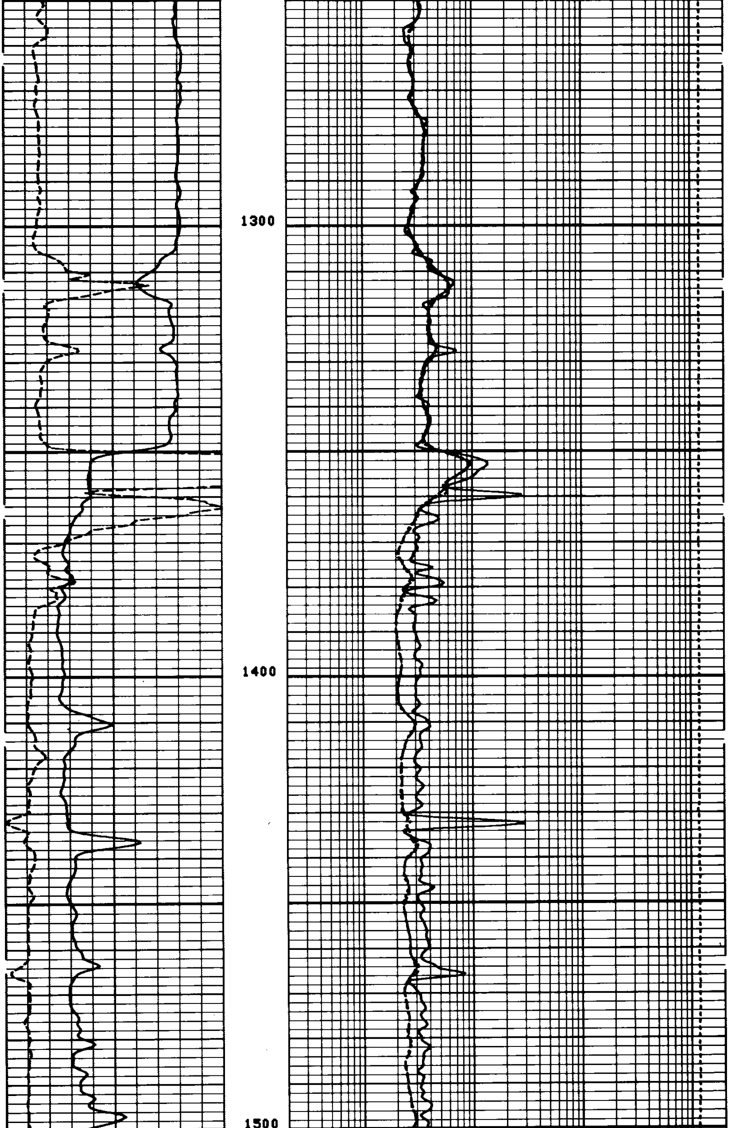
FILE 102 18-MAR-85 16:14
DATA ACQUIRED 18-MAR-85 15:41

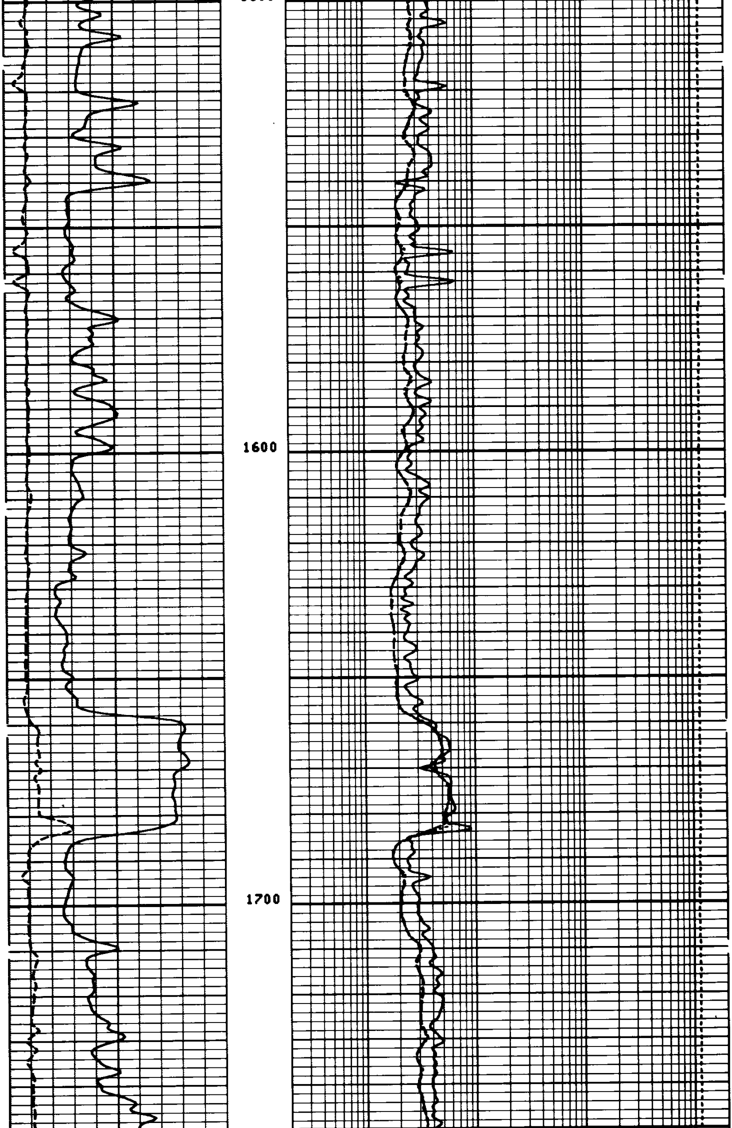


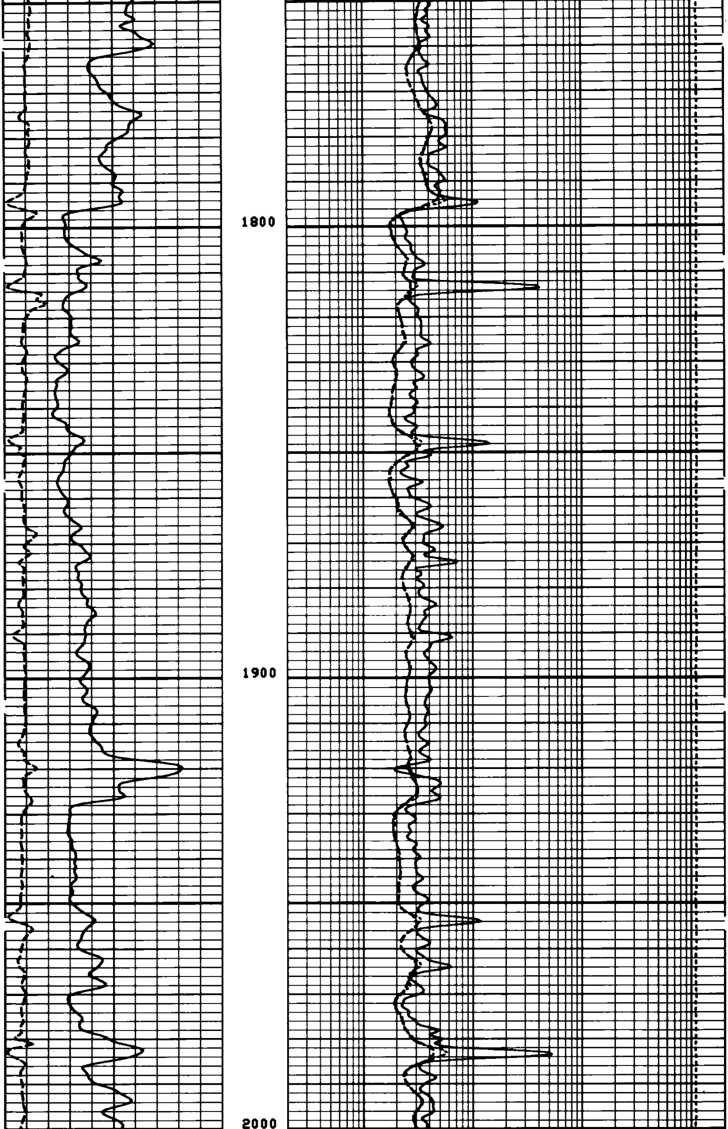


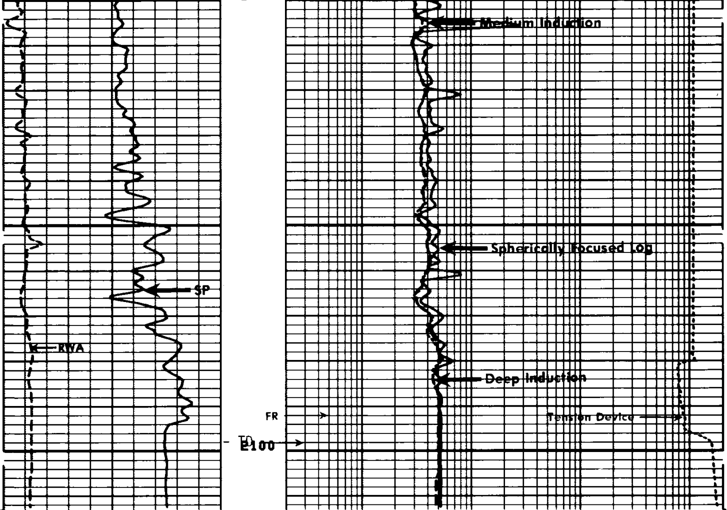












FILE 102 18-MAR-85 16:08
DATA ACQUIRED 18-MAR-85 15:09

TENS(LB) 5000.0 0.0
ILD (OHMM) .20000 2000.0
ILM (OHMM) .20000 2000.0
SFLU(OHMM) .20000 2000.0
RWA (OHMM) 0.0 3.0000
SP (MV) -100.0 0.0

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
CALI	31.8	FEET	SRAT	41.4	FEET
SFL	6.4	FEET	ILD	9.4	FEET
SP	2.5	FEET	ILM	5.7	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	35.6	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	140.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	5.70000	MMHO
FPHI	SPHI		MSEC	7.00000	MMHO
BS	7.87500	IN	BHS	OPEN	
SPDR	0.0		DO	0.0	F
PP	RECO				

TENS(LB)
5000.0 0.0

ILD (OHMM)
.20000 2000.0

RWA (OHMM)
0.0 3.0000

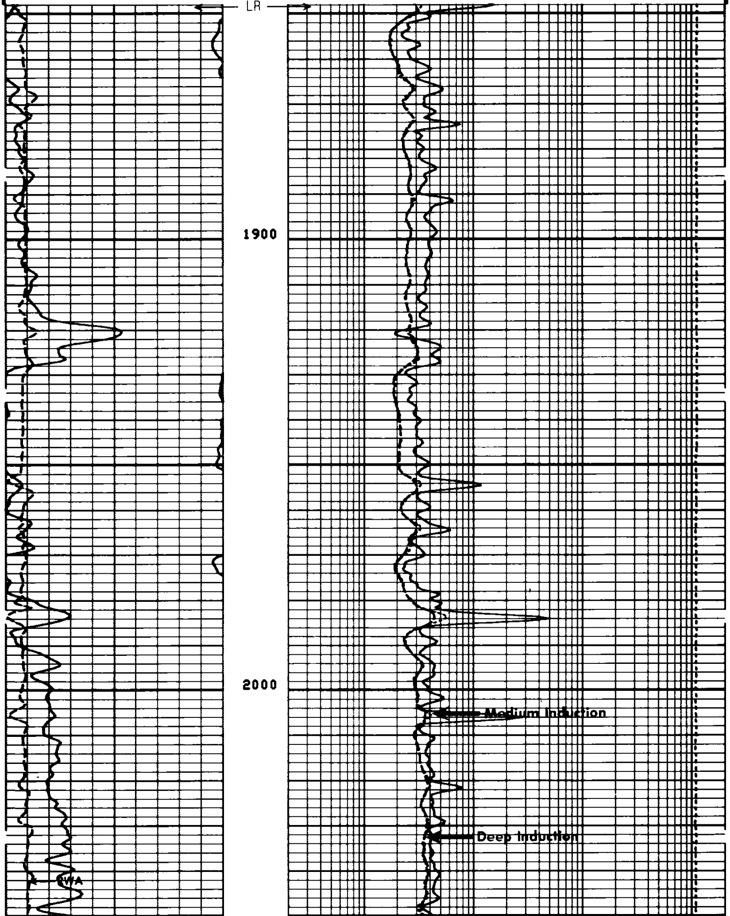
ILM (OHMM)
.20000 2000.0

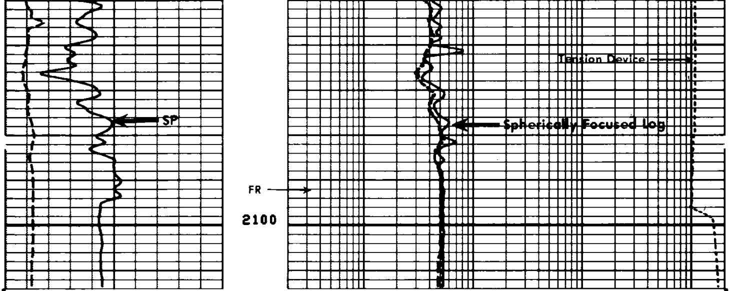
SP (MV)
-100.0 0.0

SFLU(OHMM)
.20000 2000.0

REPEAT SECTION

FILE 101 18-MAR-85 16:07
DATA ACQUIRED 18-MAR-85 15:07





```
FILE  101        18-MAR-85 16:06
DATA ACQUIRED    18-MAR-85 15:02
```

```
                                                     TENS(LB  )
                                               5000.0              0.0
                                                   ILD (OHMM)
                                   .20000                       2000.0
        RWA (OHMM)                                 ILM (OHMM)
0.0             3.0000             .20000                       2000.0
        SP   (MV   )                               SFLU(OHMM)
-100.0             0.0             .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
CALI  31.8  FEET                     SRAT 41.4  FEET
SFL    6.4  FEET                     ILD   9.4  FEET
SP     2.5  FEET                     ILM   5.7  FEET
TENS   2.5  FEET                     SPAR  2.5  FEET
NOIS  35.6  FEET
```

PARAMETERS

```
NAME  VALUE     UNIT                   NAME  VALUE     UNIT

WSV1 WF1                               DWS  16
DSIN 5          US                     DDEL 200        US
CDTS 140.000                           DWCO 512
DTF  189.000    US/F                   DTM  56.0000    US/F
SBR  1.00000    OHMM                   DSEC 5.70000    MMHO
FPHI SPHI                              MSEC 7.00000    MMHO
BS   7.87500    IN                     BHS  OPEN
SPDR 0.0                               DO   0.0        F
PP   RECO
```

BEFORE SURVEY CALIBRATION SUMMARY

```
[illegible]ORMED:      85/03/18
PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)
```

```
DITD              ELECTRONICS CALIBRATION SUMMARY
```

```
             MEASURED                   CALIBRATED
           ZERO    PLUS               ZERO       PLUS        UNITS
   ILD      3.8   538.4                0.0      496.3         MMHO
   ILM      3.9   519.9                0.0      498.8         MMHO
   SFL       .4   534.5                0.0      500.0         MMHO

ILD  SONDE ERROR CORRECTION :       5.7 MMHO
ILM  SONDE ERROR CORRECTION :       7.0 MMHO


MCDB              CALIPER CALIBRATION SUMMARY

             MEASURED                   CALIBRATED
           SMALL   LARGE              SMALL      LARGE       UNITS
  CALI      7.9    12.3                8.0       12.0         IN

                     FILE    6      18-MAR-85 14:55
```

```
               AFTER SURVEY TOOL CHECK SUMMARY


  PERFORMED:     85/03/18
  PROGRAM FILE: ISN    (VERSION    26.2    83/11/17)


DITD                    TOOL  CHECK

                   ZERO                     PLUS
            BEFORE      AFTER        BEFORE      AFTER    UNITS
   ILD        0.0         -.0        496.3       494.0    MMHO
   ILM        0.0         -.0        498.8       496.7    MMHO
   SFL        0.0          .0        500.0       498.1    MMHO

ILD  SONDE ERROR CORRECTION :       5.7 MMHO
ILM  SONDE ERROR CORRECTION :       7.0 MMHO

                     FILE   10      18-MAR-85 15:44
```

```
               SHOP SUMMARY


  PERFORMED:     85/03/02
  PROGRAM FILE: SHOP   (VERSION    24.2    83/03/29)


DITD              ELECTRONICS CALIBRATION SUMMARY

               TEST LOOP CALIBRATION             TOOL CHECK
            MEASURED         CALIBRATED          CALIBRATED
          ZERO    PLUS      ZERO       PLUS      ZERO       PLUS    UNITS
   ILD    -5.2    553.6      0.0       500.0      0.0       496.5   MMHO
   ILM    -7.7    519.0      0.0       500.0      0.0       499.0   MMHO
ILD  SONDE ERROR CORRECTION :        5.7 MMHO
ILM  SONDE ERROR CORRECTION :        7.0 MMHO

                        (ID:691 , IC:658 )
```