Schlumberger

DUAL INDUCTION SFL 5"

CSU

COMPANY: ARCO EXPLORATION & TECHNOLOGY COMPANY
WELL: CROWN ZELLERBACH #41-2

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON

RECEIVED-PTLD
DEC 9 - 1985
DEPT. OF GEOLOGY
& MINERAL INDUS

LOCATION: 581.64'S 0 4'29"E- 771.56'
S89 18' 31"W FR NE COR.
SEC: 2 TWP: 5N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 977.3 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 989.3 F
DF:
GL: 977.3 F

DATE: 11 NOV 85
RUN NO: 1

DEPTH-DRILLER: 2109.0 F
DEPTH-LOGGER: 2109.0 F
BTM. LOG INTERVAL: 2106.0 F
TOP LOG INTERVAL: 420.0 F

CASING-DRILLER: 417 F
CASING-LOGGER: 420 F
CASING: 9 5/8

BIT SIZE: 8 3/4

OTHER SERVICES-
FDC/CNL/GR
BHC
HDT

API SERIAL NO:
3600900174

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432377

TYPE FLUID IN HOLE:	GEL POLYMER
DENSITY:	10.2 LB/G
VISCOSITY:	53.0 S
PH:	9.2
FLUID LOSS:	4.8 C3
SOURCE OF SAMPLE:	CIRC.
RM:	3.510 OHMM AT 58.0 DEGF
RMF:	3.230 OHMM AT 34.0 DEGF
RMC:	3.570 OHMM AT 36.0 DEGF
SOURCE RMF/RMC:	MEAS. /MEAS.
RM AT BHT:	1.825 OHMM AT 118. DEGF
RMF AT BHT:	1.059 OHMM AT 118. DEGF
RMC AT BHT:	1.228 OHMM AT 118. DEGF
TIME CIRC. STOPPED:	2000 11/10
TIME LOGGER ON BTM.:	2359 11/10
MAX. REC. TEMP:	118.0 DEGF
LOGGING UNIT NO:	8057
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	ANDERSEN
WITNESSED BY:	JACKSON

REMARKS:

CMEZ USED
1 1/2 STANDOFF USED

EQUIPMENT NUMBERS-

DIS 567	DIC 552	MCD 1237	SLS 252
SLC 1321	SGT 3206	IEM 232	SLM 128
NLM 207			

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 3 11-NOV-85 01:16
DATA ACQUIRED 11-NOV-85 00:27

TENS(LB)
10000. 0.0

CALI(IN)
6.0000 16.000

ILD (OHMM)
.20000 2000.0

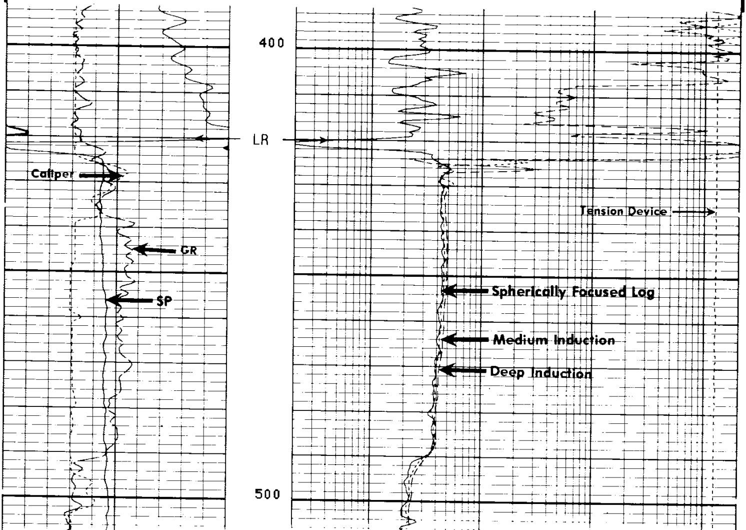
GR (GAPI)
0.0 150.00

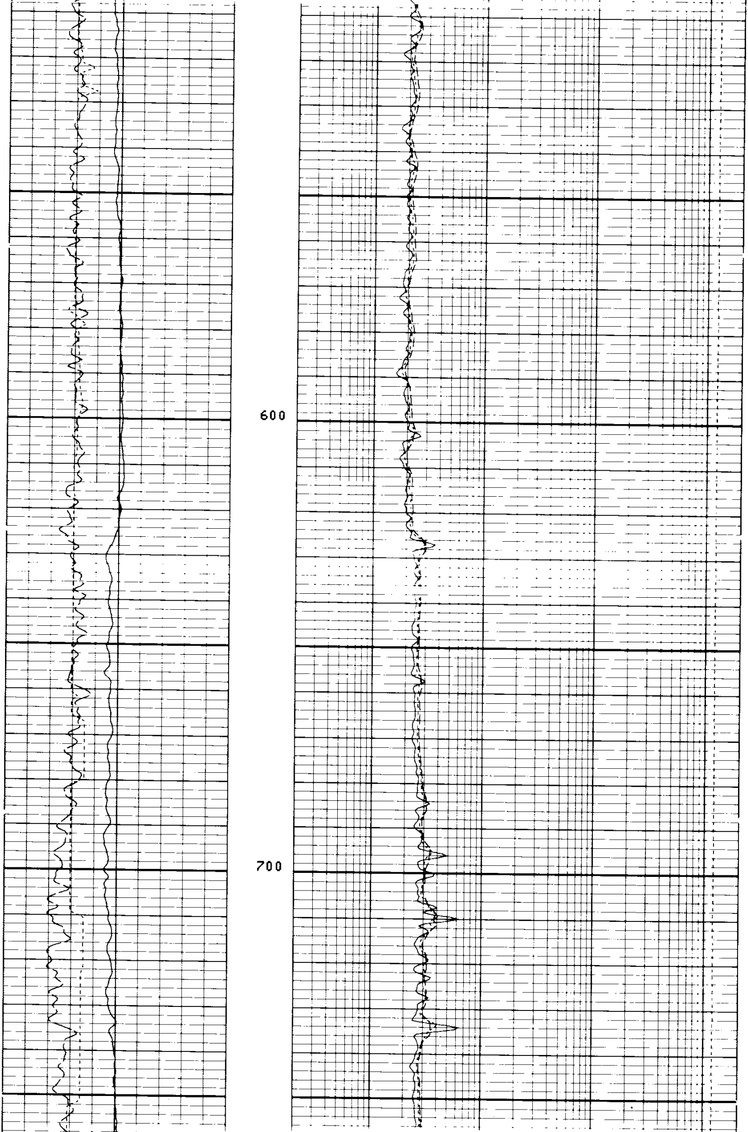
ILM (OHMM)
.20000 2000.0

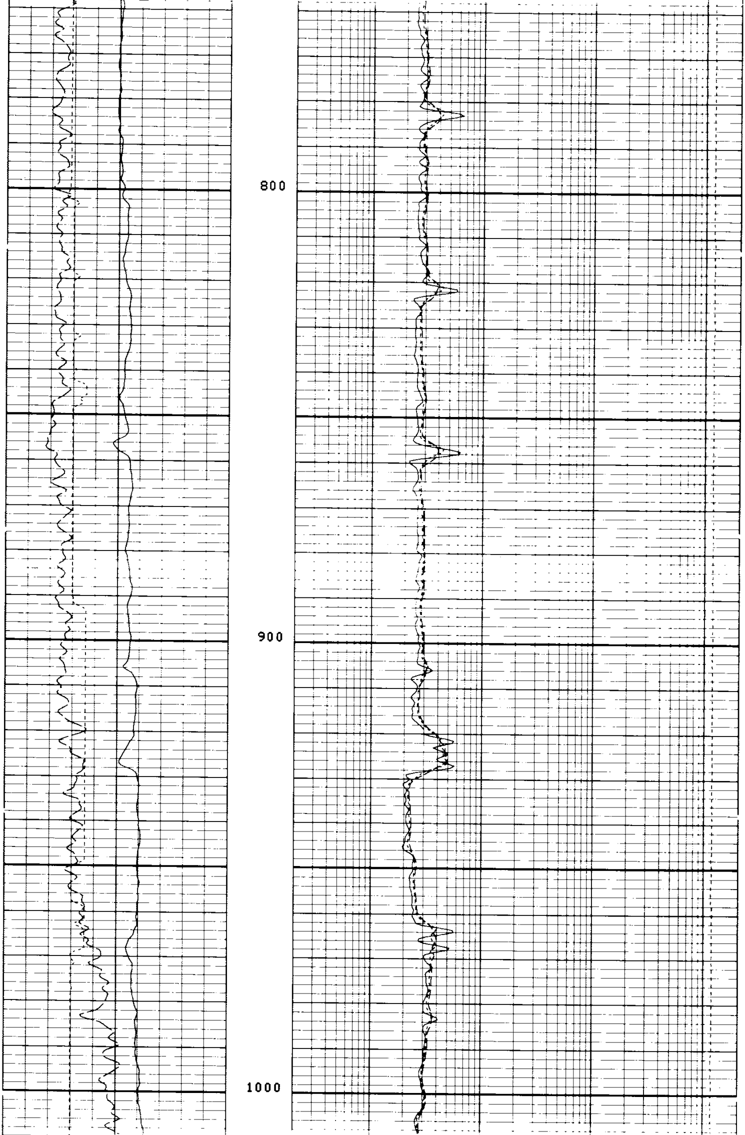
SP (MV)
-100.0 0.0

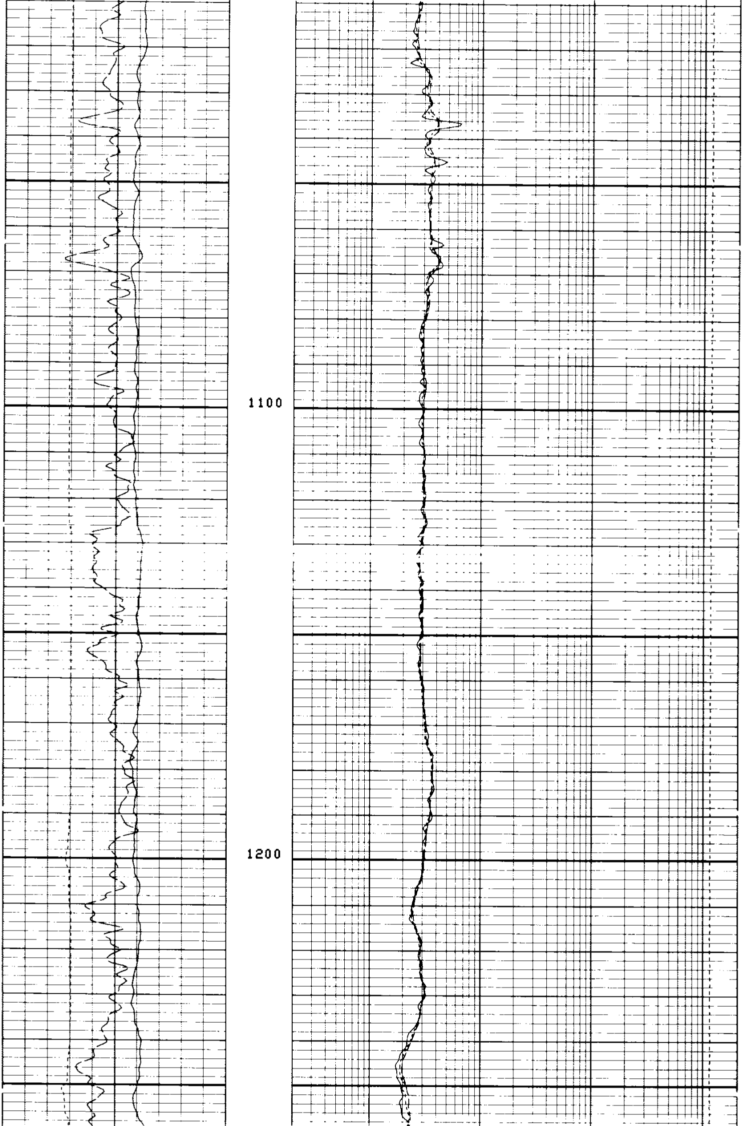
SFLU(OHMM)
.20000 2000.0

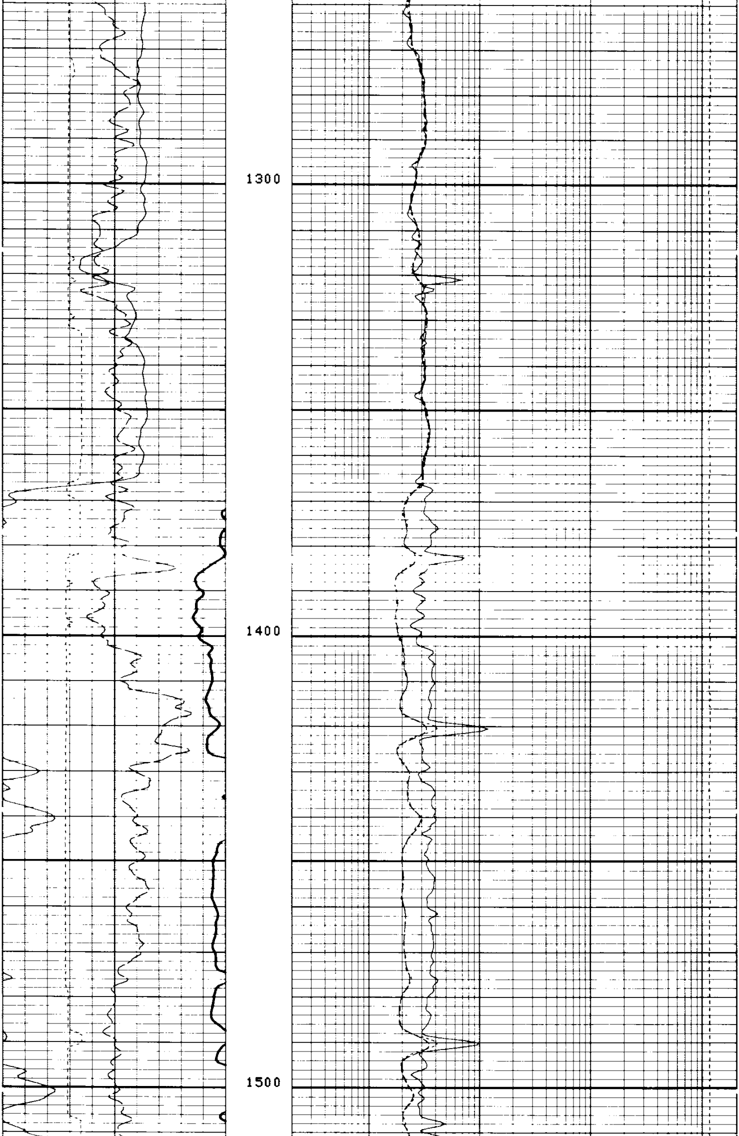
FILE 3 11-NOV-85 00:27

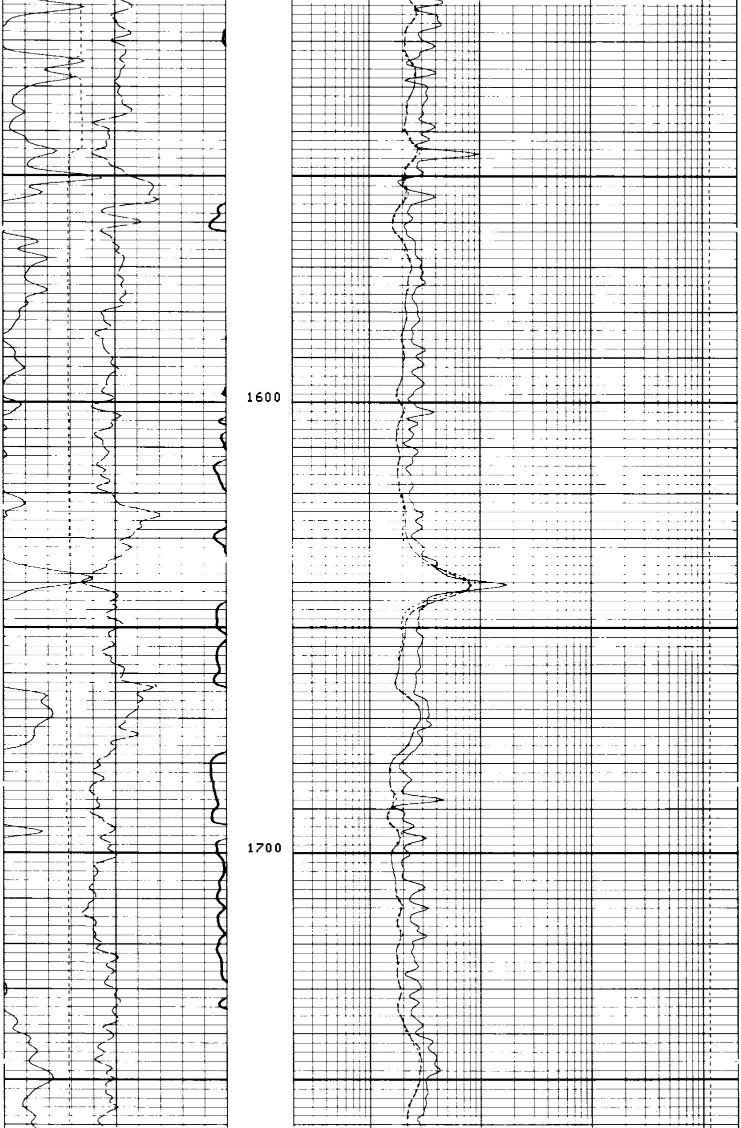


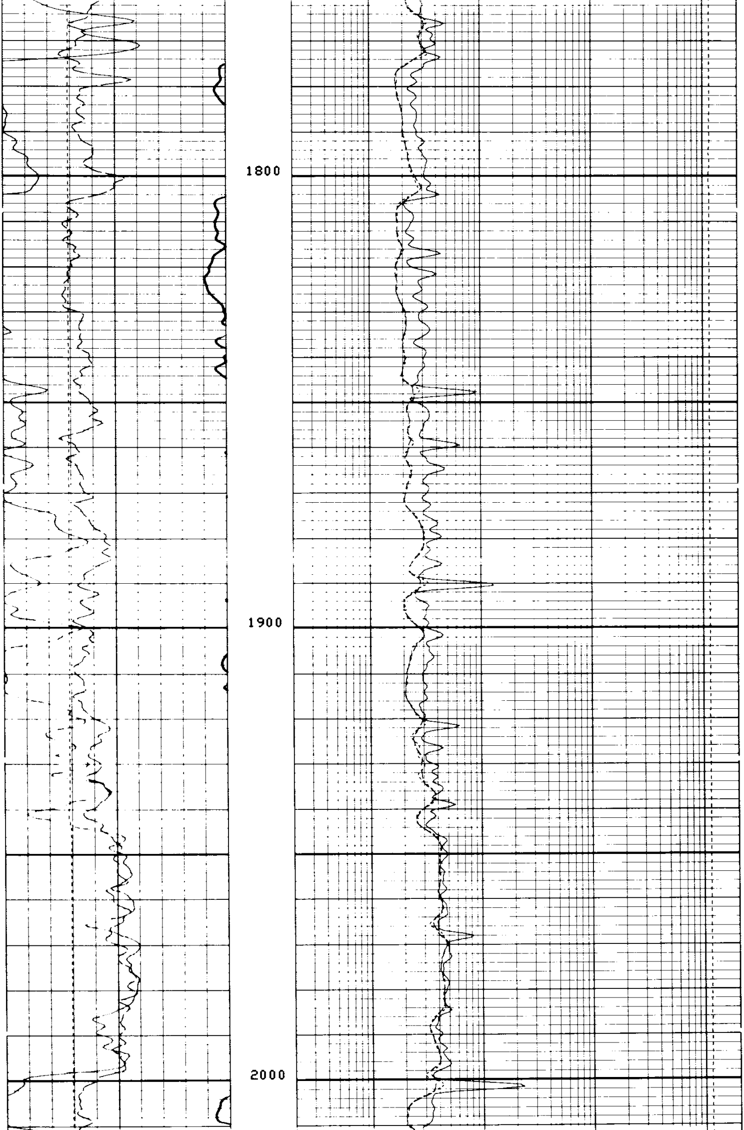


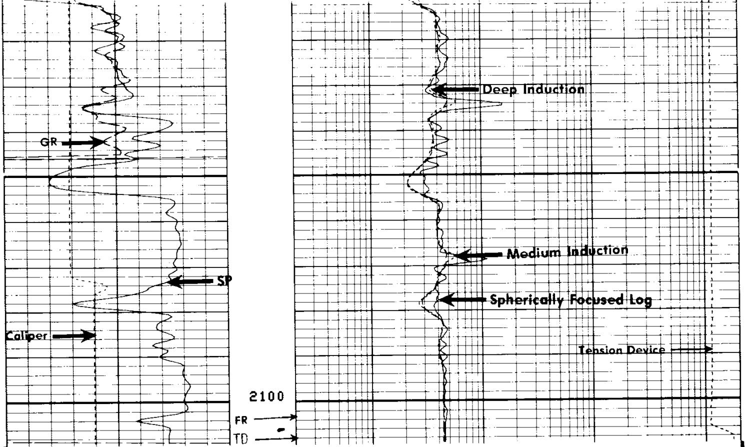












FILE 3 10-NOV-85 23:58

		TENS(LB)	
		10000.	0.0
CALI(IN)		ILD (OHMM)	
6.0000	16.000	.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

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	6.70000	MMHO
FPHI	SPHI		MSEC	6.00000	MMHO
BS	8.75000	IN	BHS	OPEN	

TENS(LB)
10000. 0.0

CALI(IN)
6.0000 16.000

GR (GAPI)
0.0 150.00

SP (MV)
-100.0 0.0

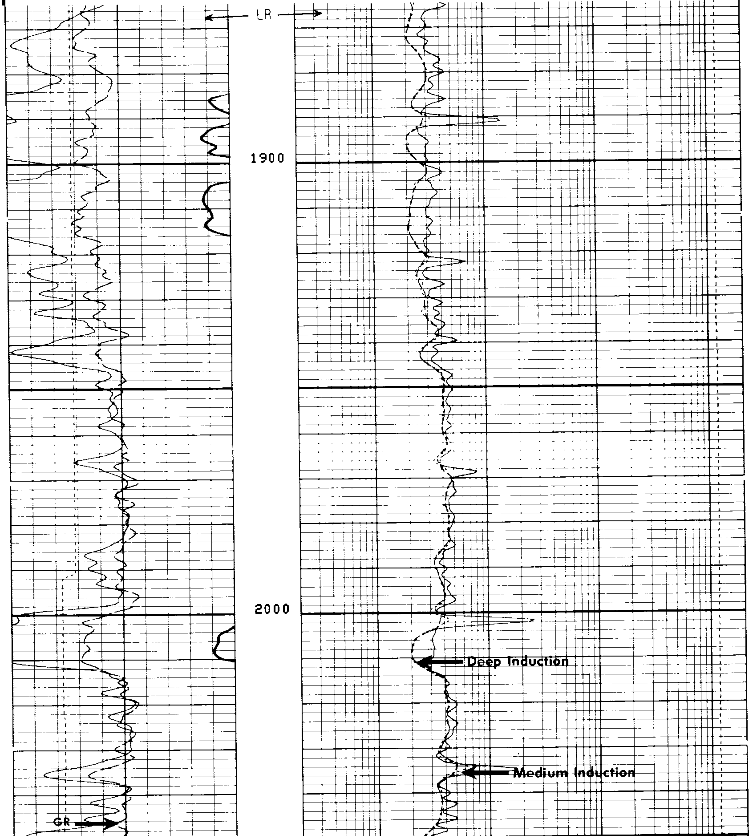
ILD (OHMM)
.20000 2000.0

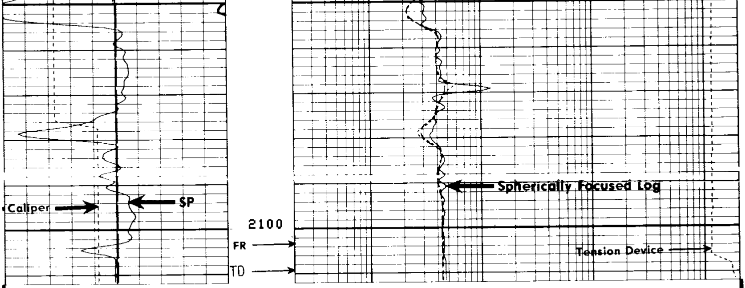
ILM (OHMM)
.20000 2000.0

SFLU(OHMM)
.20000 2000.0

REPEAT SECTION

FILE 2 10-NOV-85 23:56





FILE 2 10-NOV-85 23:51 **REPEAT SECTION**

TENS(LB) 10000. 0.0

CALI(IN) 6.0000 16.000

ILD (OHMM) .20000 2000.0

GR (GAPI) 0.0 150.00

ILM (OHMM) .20000 2000.0

SP (MV) -100.0 0.0

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		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	6.70000	MMHO
FPHI	SPHI		MSEC	6.00000	MMHO
BS	8.75000	IN	BHS	OPEN	

BEFORE SURVEY CALIBRATION SUMMARY

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

DITD

ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	ZERO	PLUS	ZERO	PLUS	UNITS
ILD	-.0	564.9	0.0	505.2	MMHO
ILM	.0	557.9	0.0	498.3	MMHO
SFL	.2	521.5	0.0	500.0	MMHO

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

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SGTE                  DETECTOR CALIBRATION SUMMARY

                 MEASURED
            BKGD      JIG          CALIBRATED          UNITS
   GR        32       181             165              GAPI


MCDB                  CALIPER CALIBRATION SUMMARY

                  MEASURED                       CALIBRATED
            SMALL     LARGE               SMALL      LARGE       UNITS
  CALI       7.7      12.3                 8.0       12.0          IN

                     FILE   10       10-NOV-85 23:50
                AFTER SURVEY TOOL CHECK SUMMARY


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


DITD                           TOOL  CHECK

                     ZERO                            PLUS
           BEFORE           AFTER           BEFORE       AFTER      UNITS
   ILD      0.0               .0            505.2        501.3      MMHO
   ILM      0.0               .0            498.3        496.3      MMHO
   SFL      0.0              0.0            500.0        496.6      MMHO

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

                        FILE    5       11-NOV-85 00:30


                  SHOP SUMMARY


   PERFORMED:      15-OCT-85 11:15
   PROGRAM FILE: SHOP   (VERSION    20.15   85/01/03)


 DITD              ELECTRONICS CALIBRATION SUMMARY

                  [illegible]                                 TOOL CHECK
              [illegible]            [illegible]             CALIBRATED
            ZERO                                            [illegible]   [illegible]   UNITS
    ILD   [illegible]  [illegible]  [illegible]  [illegible]  [illegible]   [illegible]5.5   MMHO
    ILM   [illegible]  [illegible]  [illegible]  [illegible]  [illegible]   [illegible]   MMHO
 ILD  SONDE ERROR CORRECTION :         [illegible] MMHO
 ILM  SONDE ERROR CORRECTION :         [illegible] MMHO

                  [illegible]
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