Schlumberger

BHC - SONIC 5"

CSU

COMPANY:	REICHHOLD ENERGY CORPORATION		
WELL:	BUSCH #14-15		
FIELD:	MIST		
COUNTY:	COLUMBIA		
STATE:	OREGON		
LOCATION:	1187'E & 317'N OF THE SW CORNER OF ...		
SEC:	15	TWP: 6N	RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 529.0 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 541.0 F
DF:
GL: 529.0 F

DATE: 7 AUG 84
RUN NO: 1

DEPTH-DRILLER: 2258.0 F
DEPTH-LOGGER: 2256.0 F
BTM. LOG INTERVAL: 2216.0 F
TOP LOG INTERVAL: 406.0 F

CASING-DRILLER: 406 F
CASING-LOGGER: 406 F
CASING: 8 5/8"

BIT SIZE: 7 7/8"
DEPTH: 2258 F

RECEIVED
AUG 23 1984
DEPT OF GEOLOGY
& MINERA

OTHER SERVICES-
DIL-SFL
FDC-CNL-GR
HDT

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432222

TYPE FLUID IN HOLE:	GEL/LIGNO
DENSITY:	12.1 LB/G
VISCOSITY:	76.0 S
PH:	9.0
FLUID LOSS:	4.4 C3
SOURCE OF SAMPLE:	FLOWLINE
RM:	1.430 OHMM AT 88.0 DEGF
RMF:	1.150 OHMM AT 86.0 DEGF
RMC:	1.750 OHMM AT 85.0 DEGF
SOURCE RMF/RMC:	MEAS/MEAS
RM AT BHT:	1.331 OHMM AT 95.0 DEGF
RMF AT BHT:	1.048 OHMM AT 95.0 DEGF
RMC AT BHT:	1.578 OHMM AT 95.0 DEGF
TIME CIRC. STOPPED:	1700
TIME LOGGER ON BTM.:	

MAX. REC. TEMP: 95.0 DEGF

LOGGING UNIT NO: 8178
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: BENTLEY
WITNESSED BY: ALGER

REMARKS:

CYCLE SKIPPING ON DT ABOVE 600'. RE-LOGGED FROM 700'. SEE ATTACHED FILE BELOW.

EQUIPMENT NUMBERS-

DIS 1422	DIC 47	MCD 1502	SLS RC 236
SLC FA 1589	IEM BD 232	SLM DA 383	

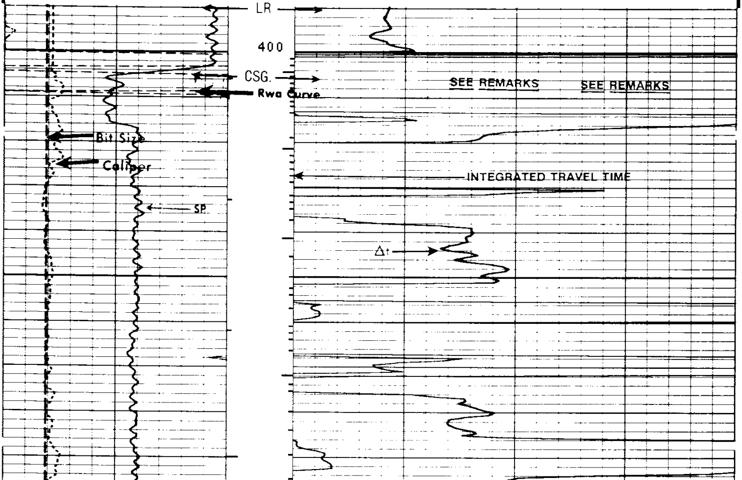
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

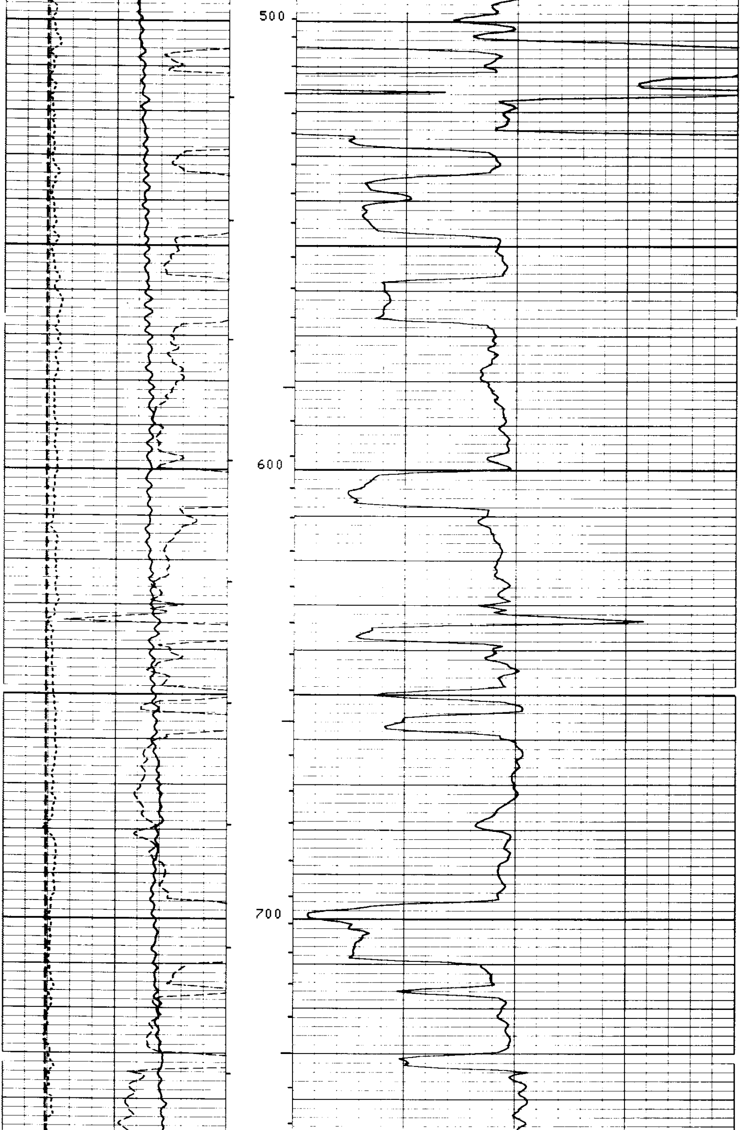
FILE 13 07-AUG-84 22:31
DATA ACQUIRED 07-AUG-84 21:55

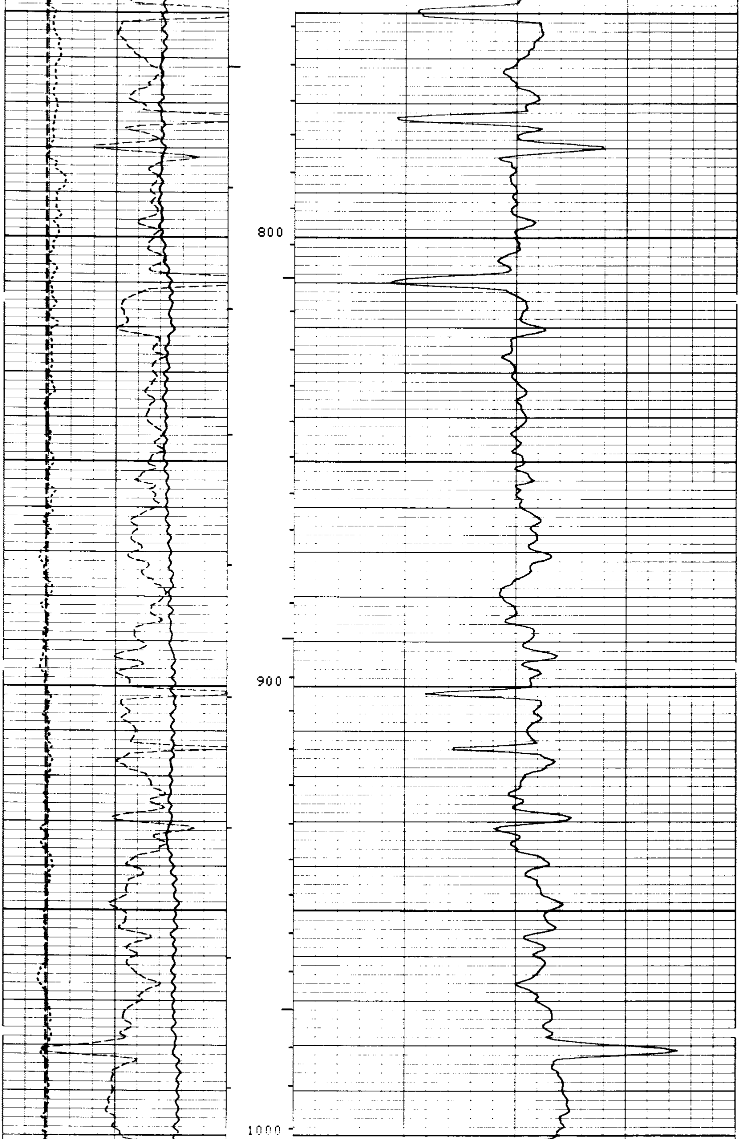
BS (IN)
6.0000 16.000
RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

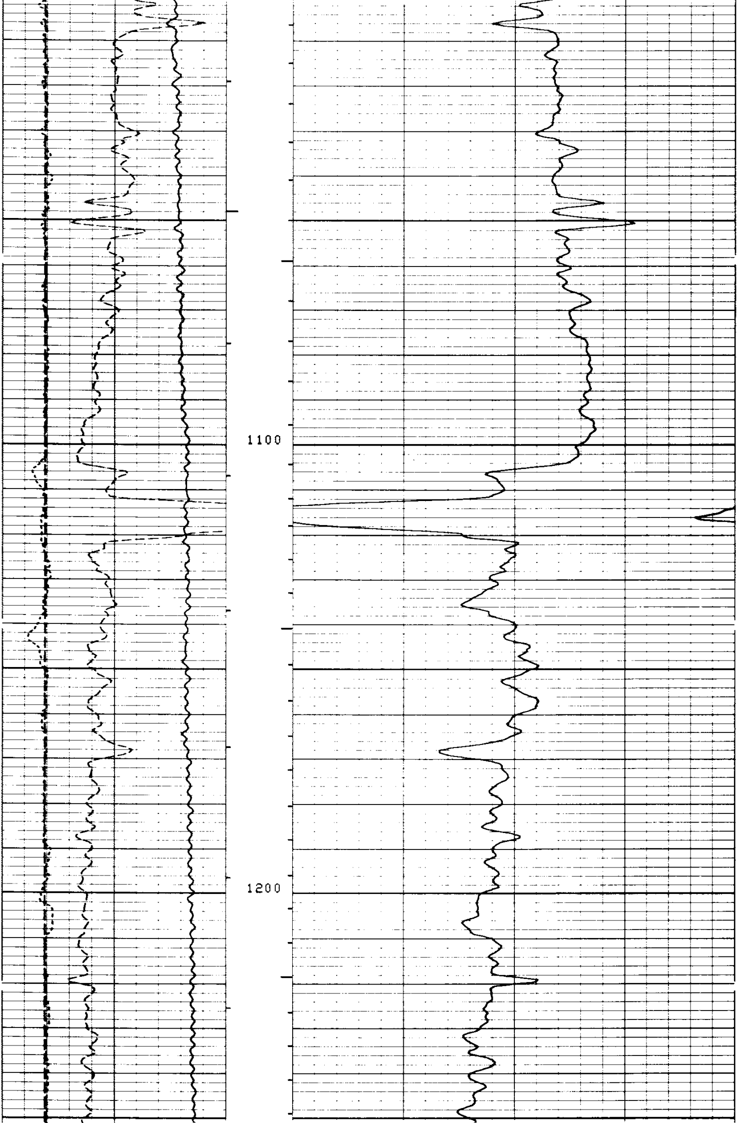
DT (US/F)
175.00 75.000

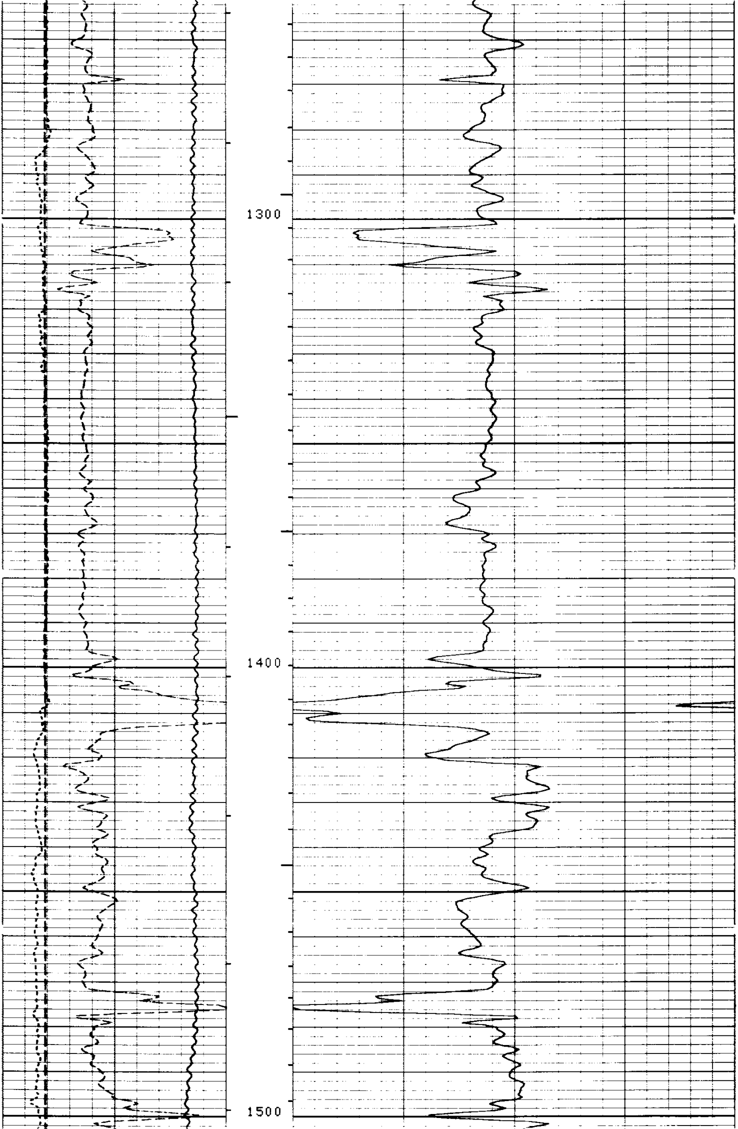
FILE 8 07-AUG-84 22:04
DATA ACQUIRED 07-AUG-84 21:35

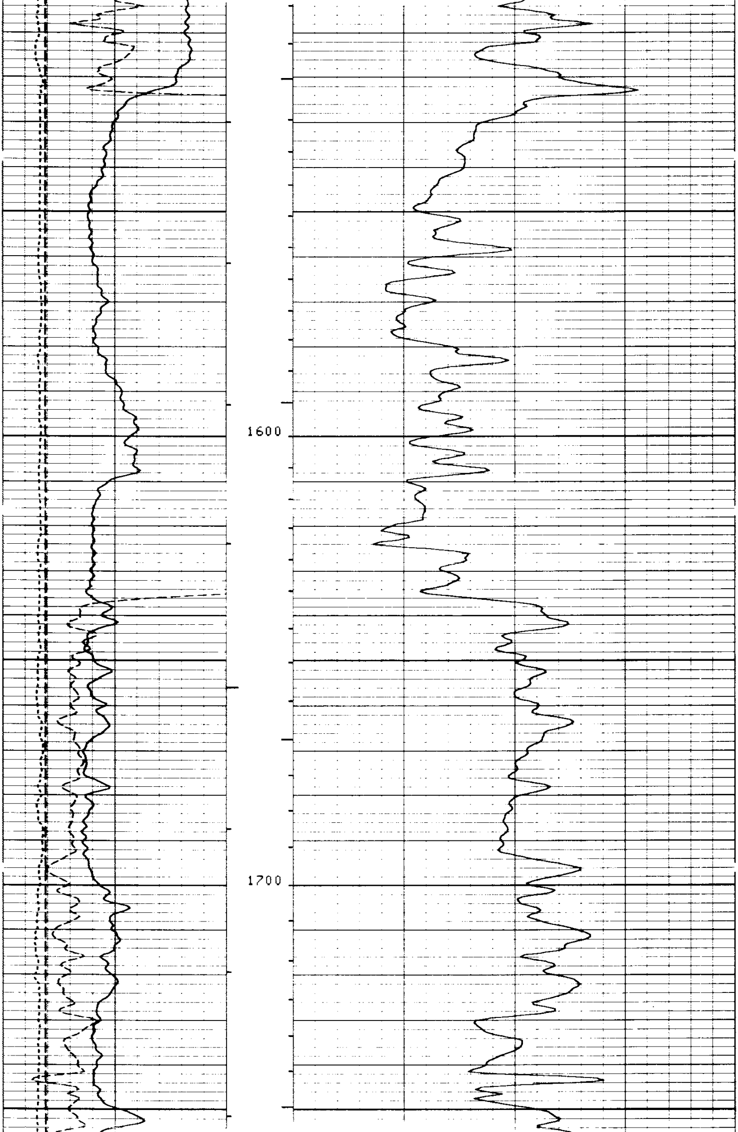


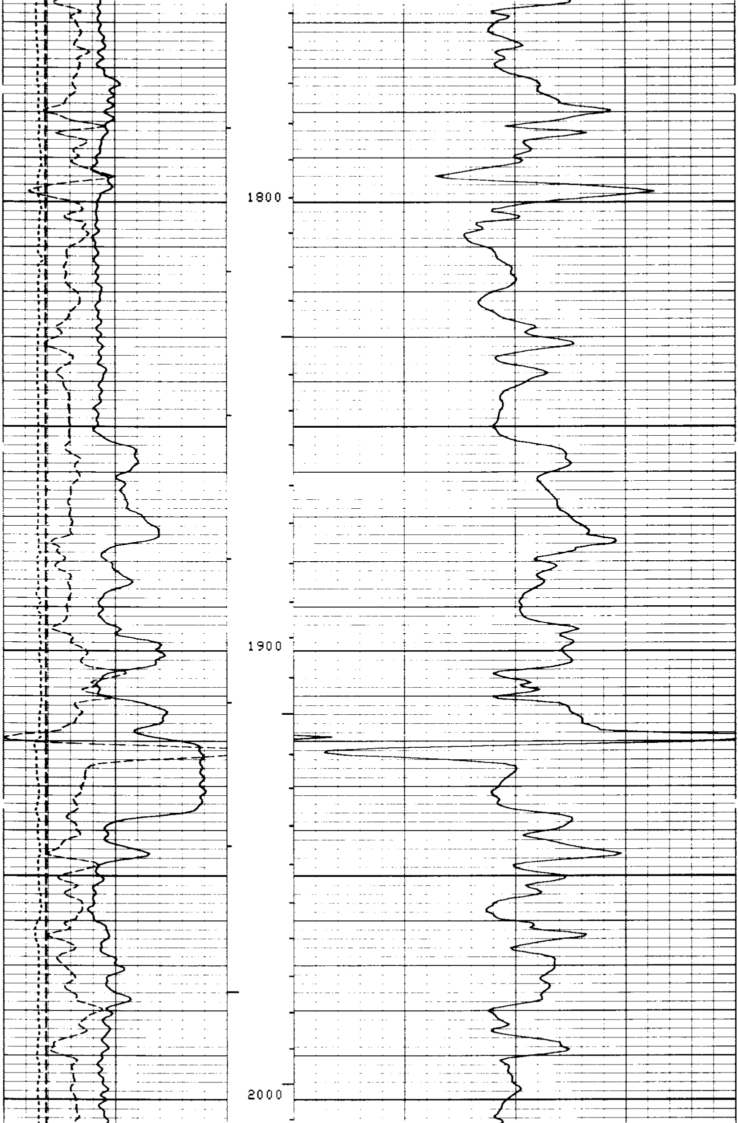


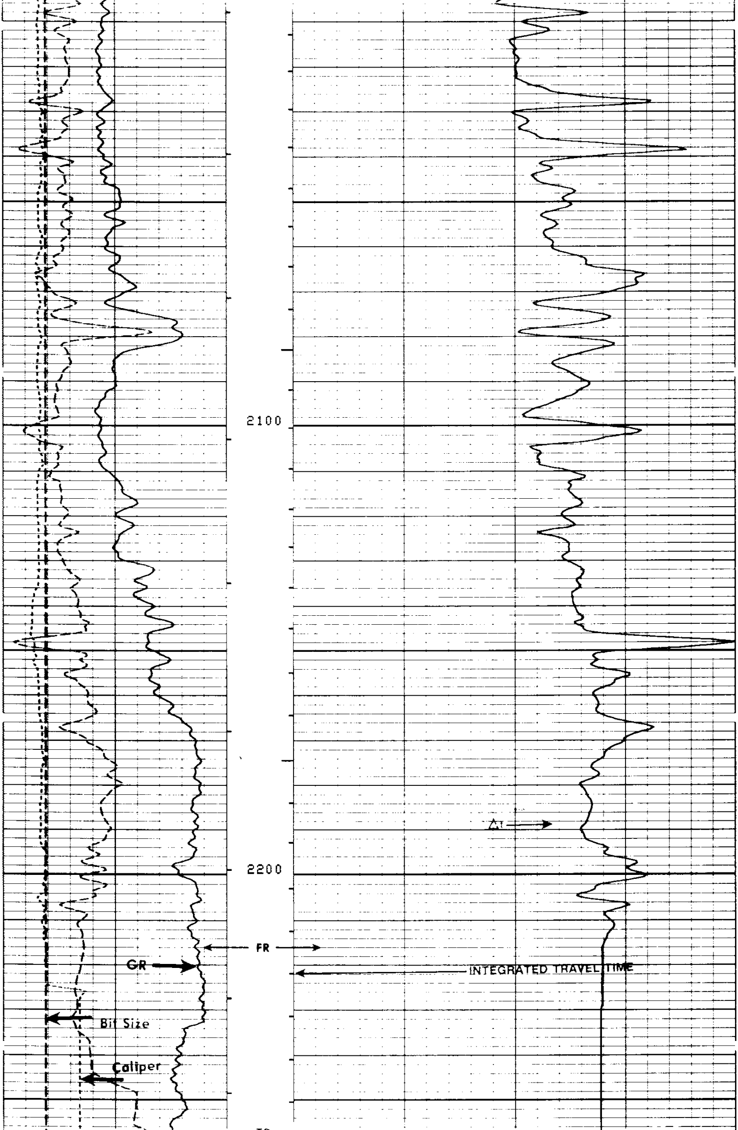


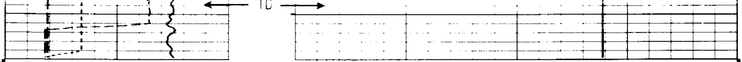












FILE 8 07-AUG-84 22:00
DATA ACQUIRED 07-AUG-84 21:11

BS (IN)
6.0000 16.000
RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

DT (US/F)
175.00 75.000

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
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	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.00000	MMHO
FPHI	SPHI		MSEC	6.20000	MMHO
FNUM	.620000		FEXP	2.15000	
BS	7.87500	IN	BHS	OPEN	
PP	NORM		DO	0.0	F

TAPE NOT MADE

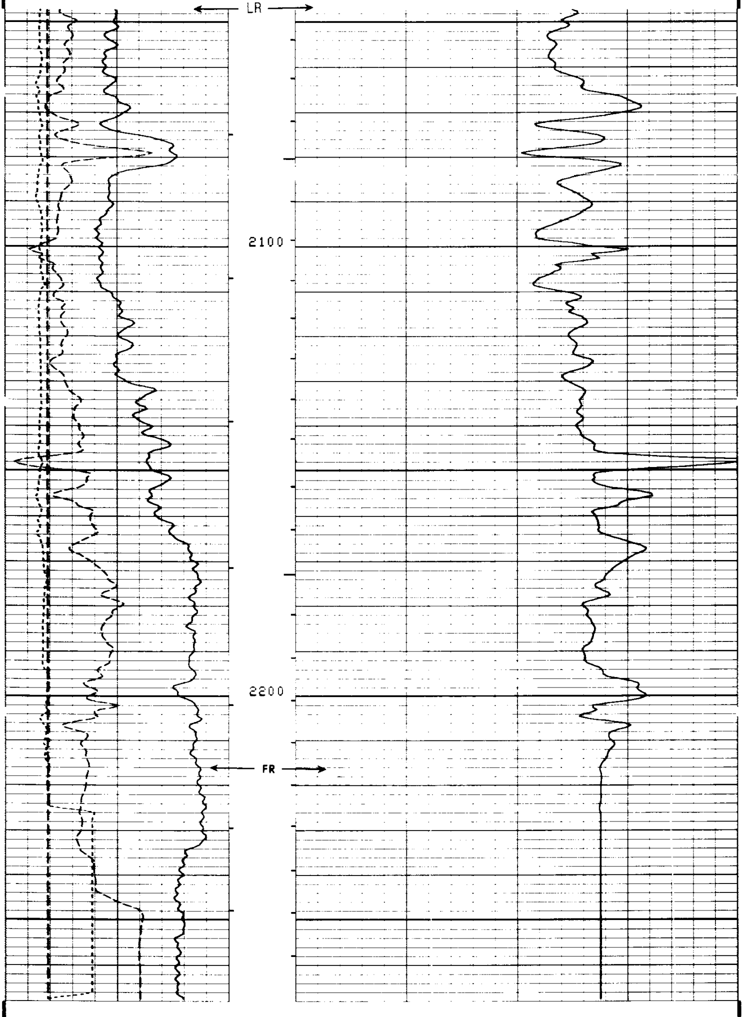
BS (IN)
6.0000 16.000
RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

DT (US/F)
175.00 75.000

REPEAT SECTION

REPEAT SECTION

FILE 7 07-AUG-84 22:00
DATA ACQUIRED 07-AUG-84 21:09



FILE 7 07-AUG-84 21:59
DATA ACQUIRED 07-AUG-84 21:06

BS (IN)
6.0000 16.000
RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

DT (US/F)
175.00 75.000

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
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	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.00000	MMHO
FPHI	SPHI		MSEC	6.20000	MMHO
FNUM	.620000		FEXP	2.15000	
BS	7.87500	IN	BHS	OPEN	
PP	NORM		DO	0.0	F

TAPE NOT MADE

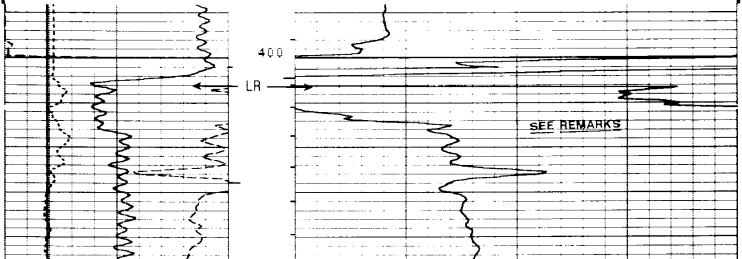
BS (IN)
6.0000 16.000
RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

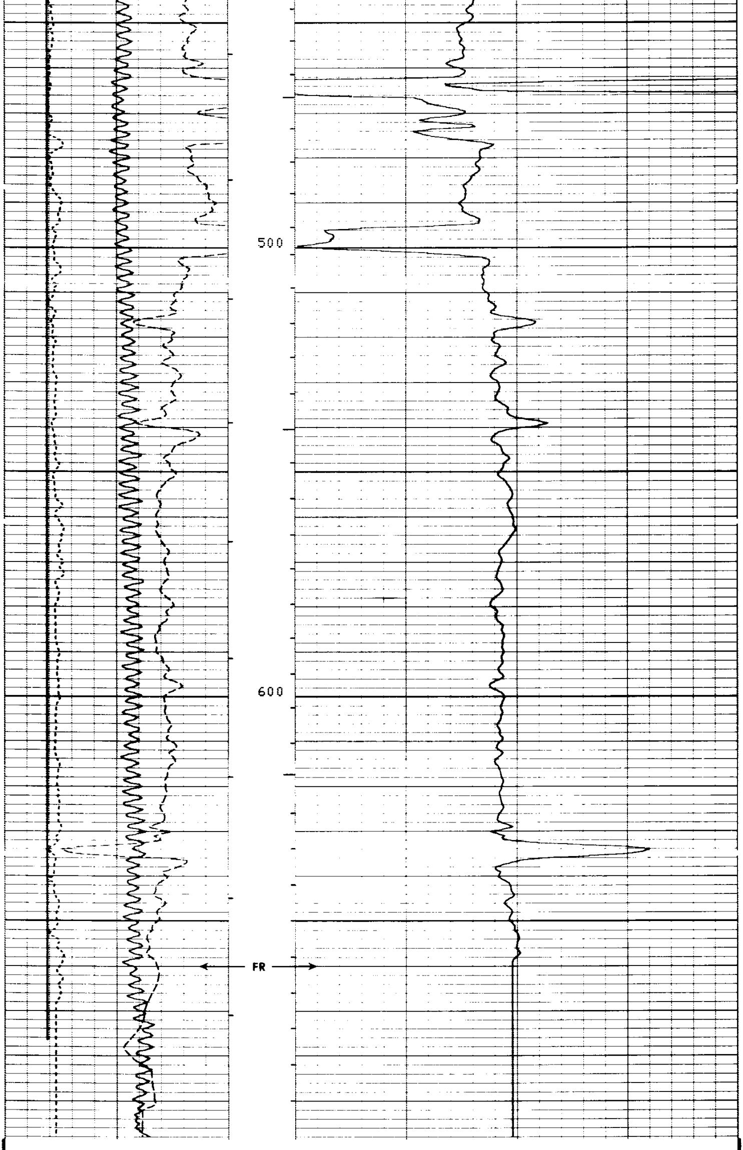
DT (US/F)
175.00 75.000

REPEAT SECTION

SEE REMARKS

FILE 13 07-AUG-84 21:55





FILE 13 07-AUG-84 21:50

RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

DT (US/F)
175.00 75.000

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
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			

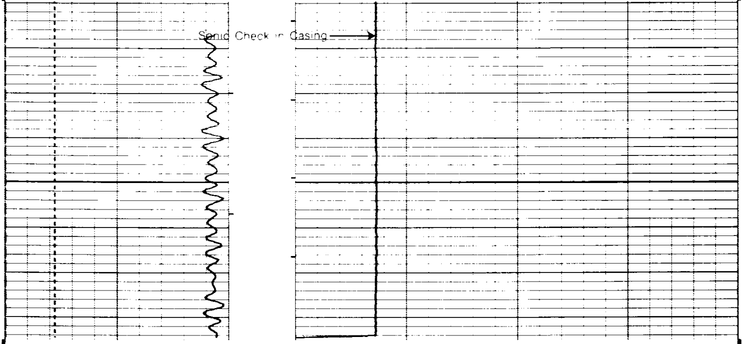
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	4.00000	MMHO
FPHI	SPHI		MSEC	6.20000	MMHO
FNUM	.620000		FEXP	2.15000	
BS	7.87500	IN	BHS	OPEN	

RWA (OHMM)
0.0 3.0000
CALI(IN)
6.0000 16.000

DT (US/F)
175.00 75.000

FILE 12 07-AUG-84 21:48


Sonic Check in Casing

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                        FILE   12      07-AUG-84 21:47

      RWA (OHMM)
0.0              3.0000
      CALI(IN  )
6.0000           16.000
      SP  (MV  )                                    DT  (US/F)
-100.0              0.0      175.00                                        75.000

                     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
         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 100.000                            DWCO 512
         DTF  189.000    US/F                    DTM  56.0000    US/F
         SBR  1.00000    OHMM                    DSEC 4.00000    MMHO
         FPHI SPHI                               MSEC 6.20000    MMHO
         FNUM .620000                            FEXP 2.15000
         DS   7.87500    IN                      BHS  OPEN


   MCDB              CALIPER CALIBRATION SUMMARY

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

                        FILE    0      07-AUG-84 21:01
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