Schlumberger

BHC SONIC 5"

CSU

COMPANY:	REICHHOLD ENERGY CORPORATION
WELL:	PAUL #34-32 RD-1
FIELD:	MIST
COUNTY:	COLUMBIA
STATE:	OREGON
LOCATION:	741'N & 255'E OF THE SOUTH 1/4 CORNER OF...
SEC:	32 TWP: 7N RGE: 25W

PERMANENT DATUM:	GL	ELEVATIONS-	
ELEV. OF PERM. DATUM:	614.0 F	KB:	627.0 F
LOG MEASURED FROM:	KB	DF:	
13.0 F	ABOVE PERM. DATUM	GL:	614.0 F
DRLG. MEASURED FROM:	KB		

DATE:	17 SEP 84
RUN NO:	1
DEPTH-DRILLER:	2915.0 F
DEPTH-LOGGER:	2898.0 F
BTM. LOG INTERVAL:	2864.0 F
TOP LOG INTERVAL:	497.0 F
CASING-DRILLER:	497 F
CASING-LOGGER:	497 F
CASING:	8 5/8"
BIT SIZE:	7 7/8"

OTHER SERVICES-
DIL-SFL
HDT

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432256

TYPE FLUID IN HOLE:	GEL-LIGNO
DENSITY:	10.0 LB/G
VISCOSITY:	25.0 S
PH:	8.5
FLUID LOSS:	6.2 C3
SOURCE OF SAMPLE:	FLOWLINE
RM:	2.100 OHMM AT 83.0 DEGF
RMF:	2.090 OHMM AT 74.0 DEGF
RMC:	2.550 OHMM AT 71.0 DEGF
SOURCE RMF/RMC:	MEASURED/MEASURED
RM AT BHT:	1.834 OHMM AT 96.0 DEGF
RMF AT BHT:	1.643 OHMM AT 96.0 DEGF
RMC AT BHT:	1.931 OHMM AT 96.0 DEGF
TIME CIRC. STOPPED:	1600 9-17
TIME LOGGER ON BTM.:	1830
MAX. REC. TEMP:	96.0 DEGF

LOGGING UNIT NO: 8178
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: R. BENTLEY
WITNESSED BY: M.ALGER/T.THOMAS

REMARKS:

PERIODICALLY, SONIC CYCLE SKIPS ABOVE 1200' DUE TO UNCONSOLIDATED SANDS AND WASHED OUT HOLE.

EQUIPMENT NUMBERS-

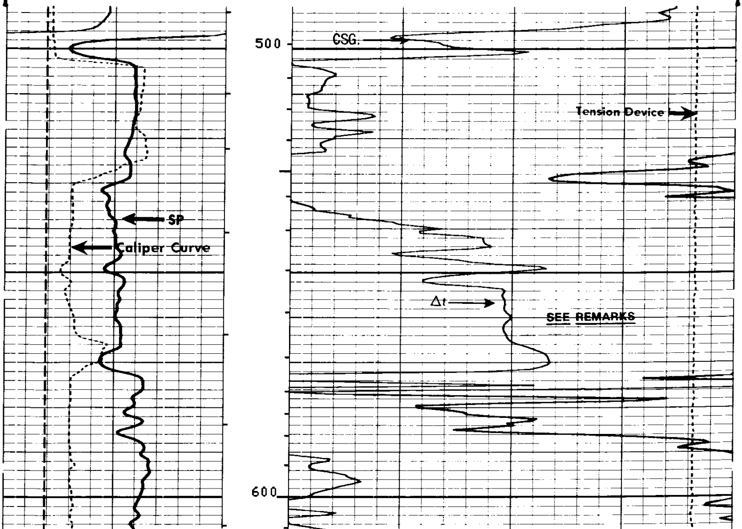
DIS 1422	DIC 342	SLS RC 236	SLC FA 1589
MCD B 1502	IEM BD 686	SLM DA 1281	

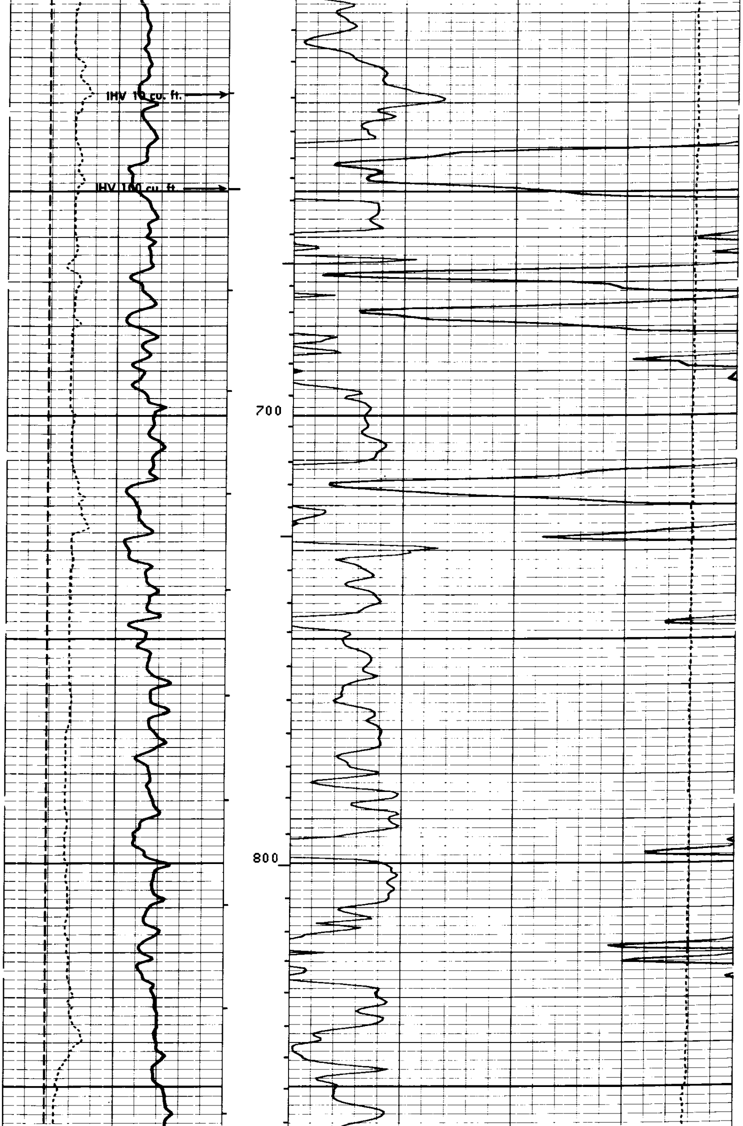
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

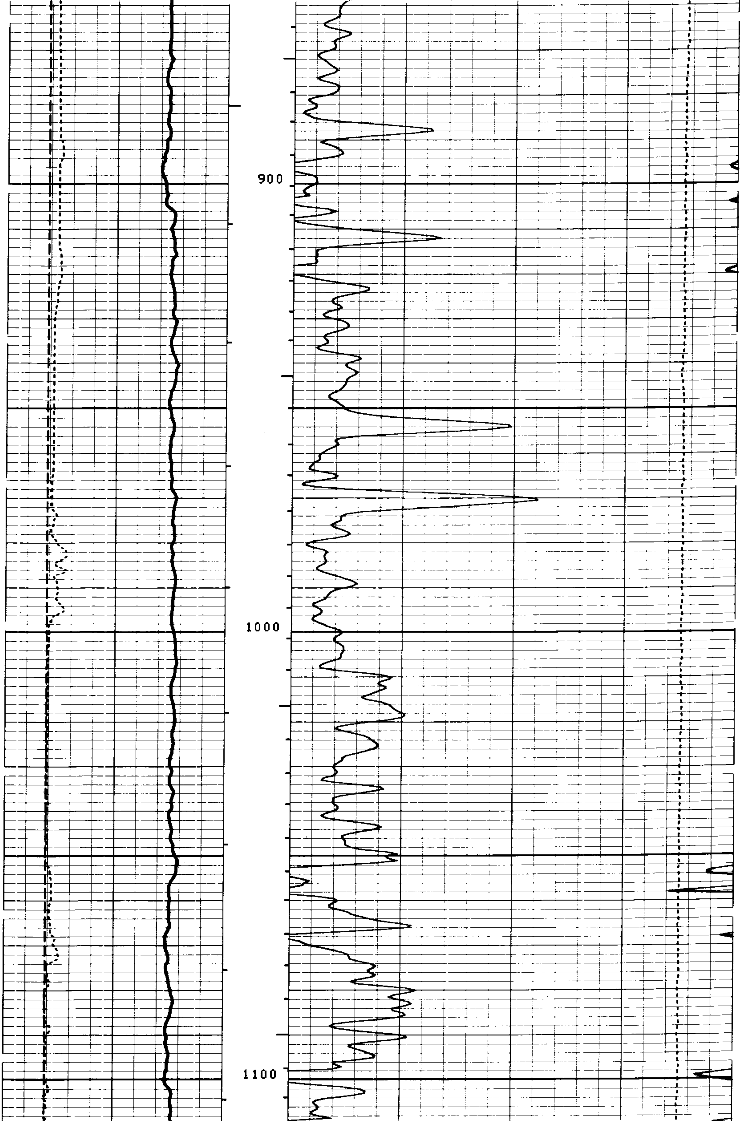
FILE 101 17-SEP-84 20:26
DATA ACQUIRED 17-SEP-84 19:46

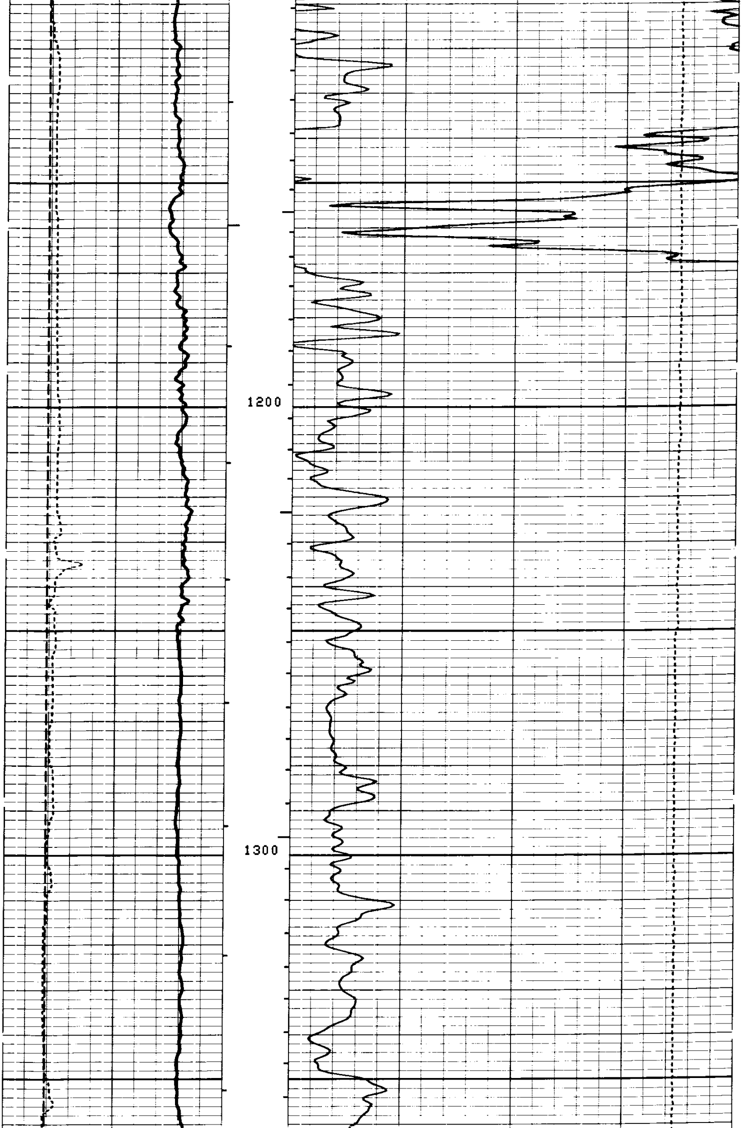
BS (IN) 6.0000 16.000
CALI(IN) 6.0000 16.000
SP (MV) -100.0 0.0
TENS(LB) 5000.0 0.0
DT (US/F) 150.00 50.000

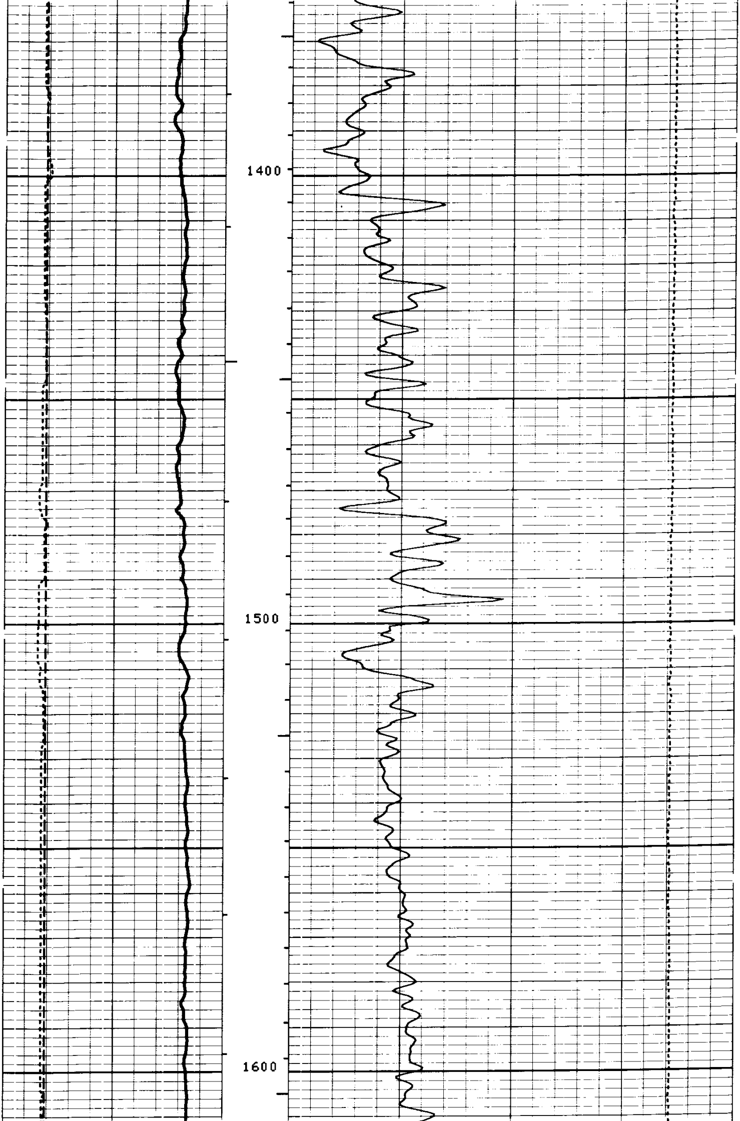
FILE 101 17-SEP-84 20:22
DATA ACQUIRED 17-SEP-84 19:46

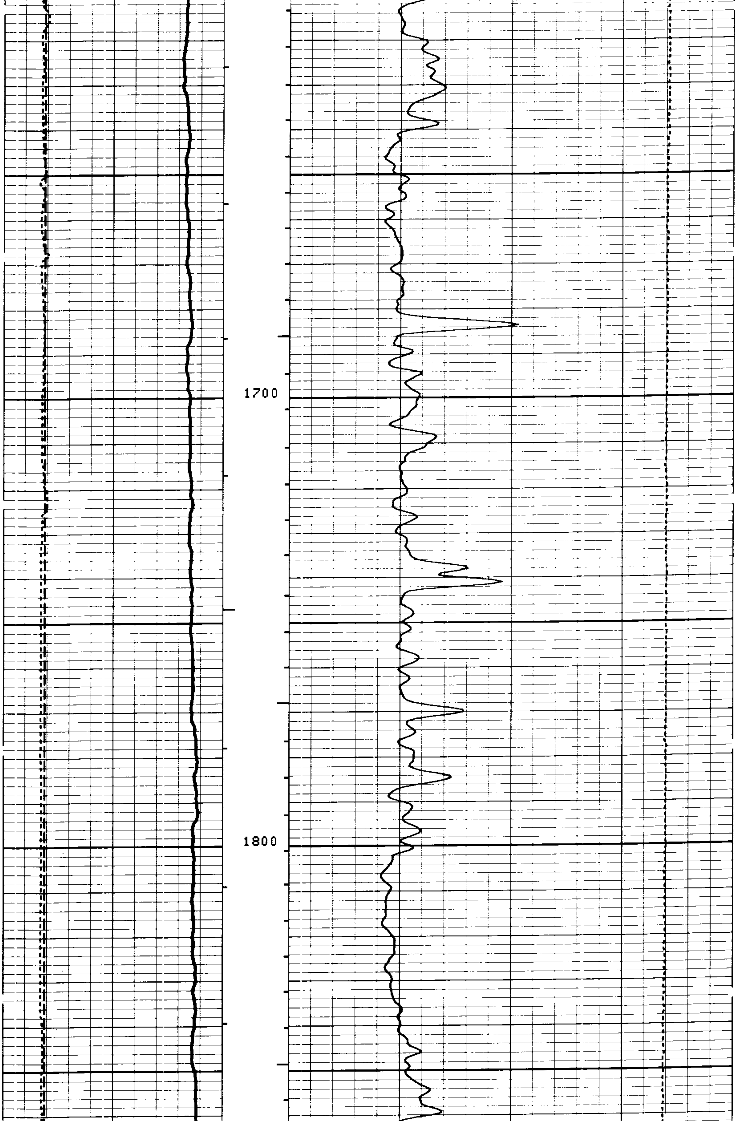


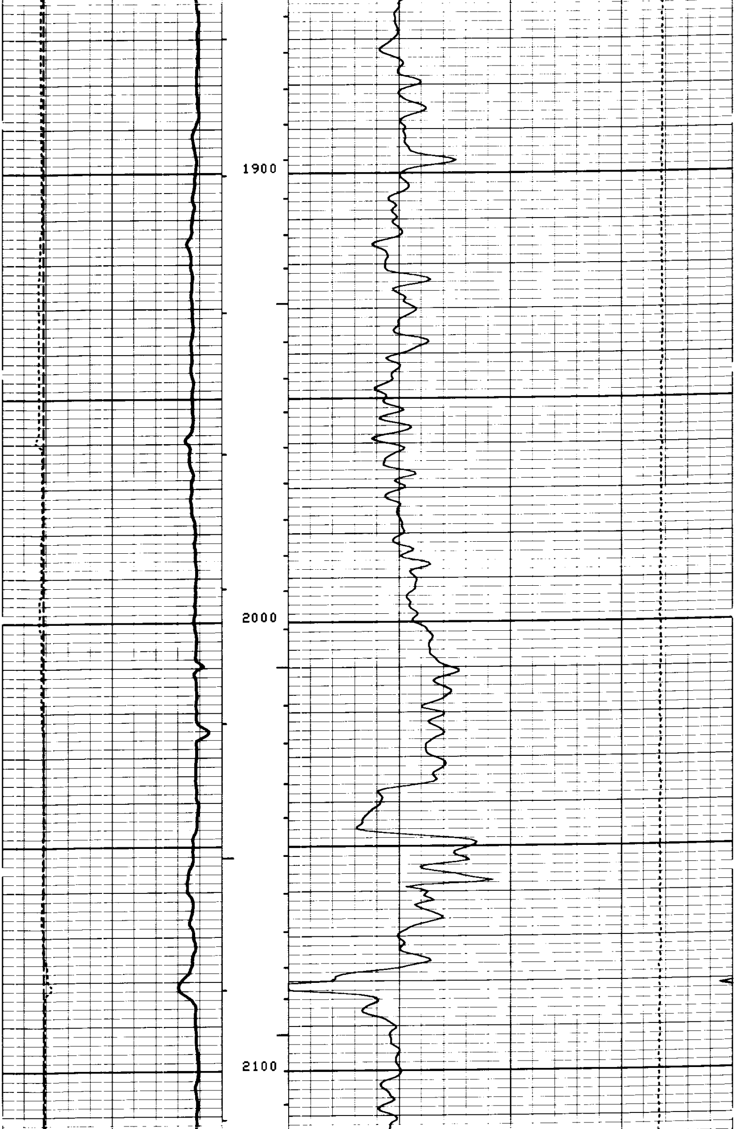


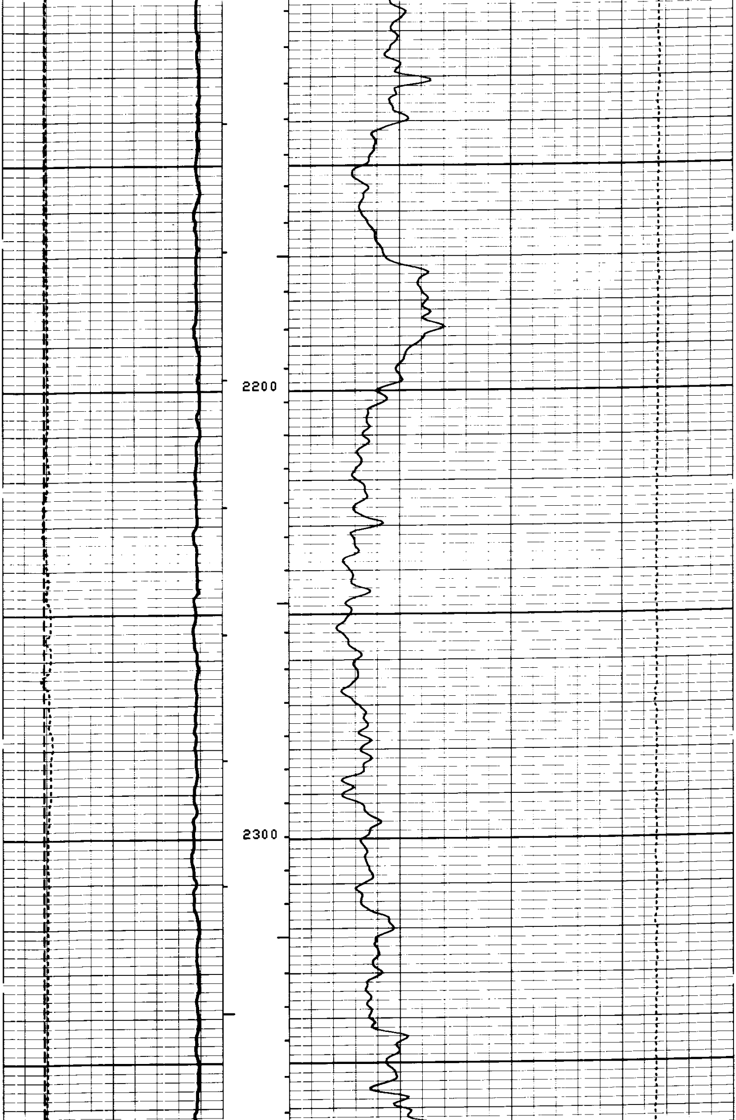


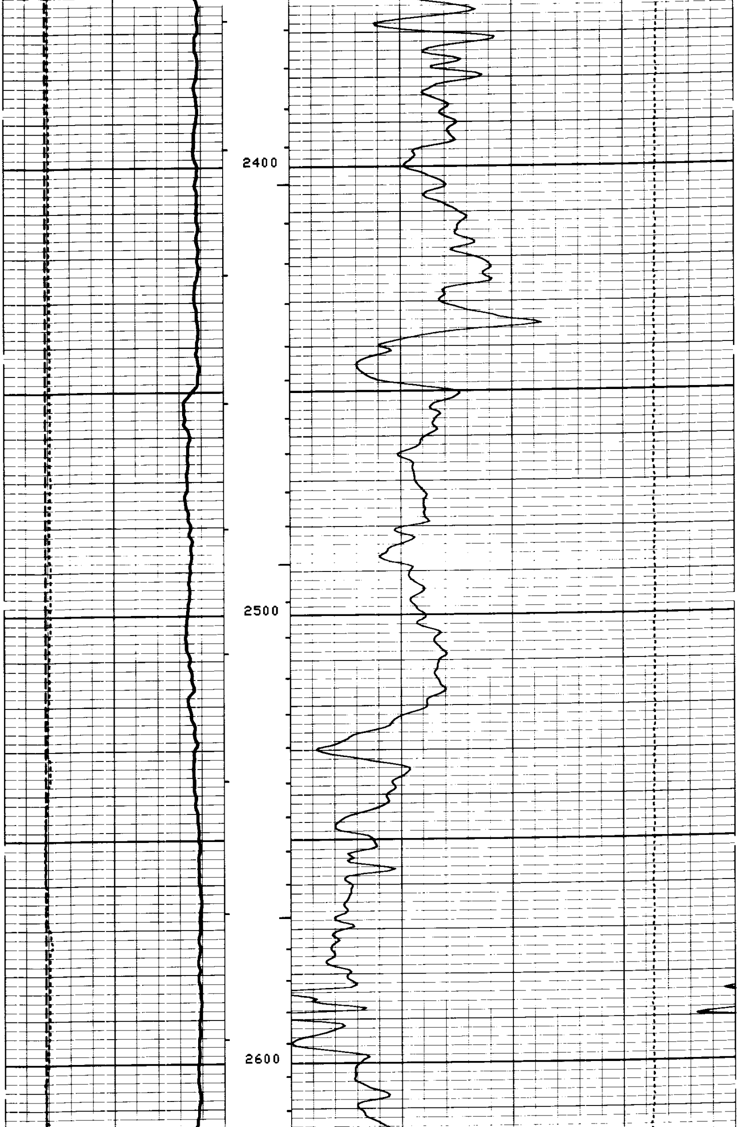


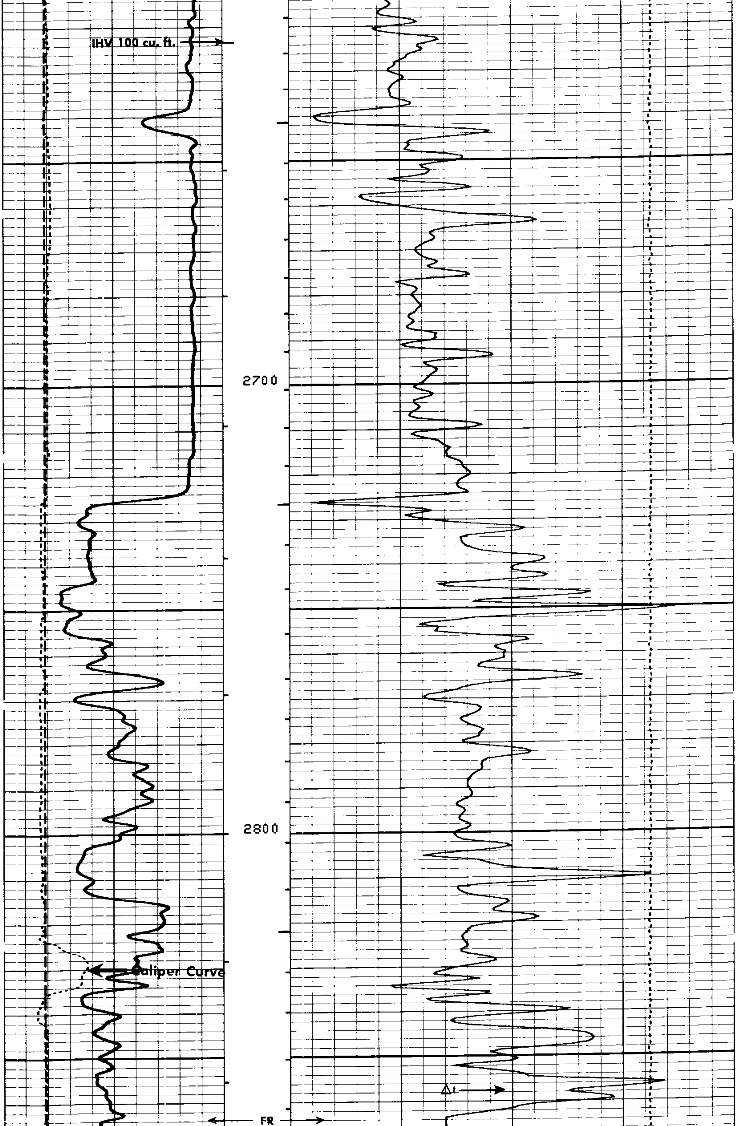


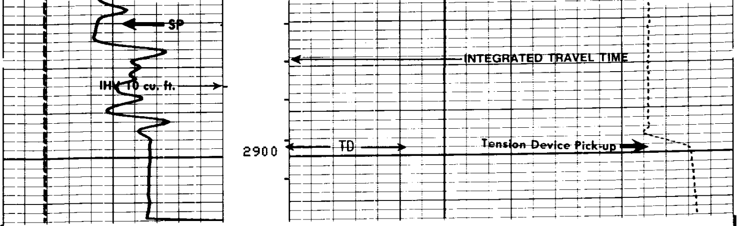












FILE 101 17-SEP-84 20:18
DATA ACQUIRED 17-SEP-84 18:38

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

TENS(LB)
5000.0 0.0
DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	37.0	FEET
TT3	33.3	FEET
TT1	36.0	FEET
CALI	56.1	FEET
SFL	6.4	FEET
SP	2.5	FEET
TENS	2.5	FEET
NOIS	28.8	FEET
AMPL	37.0	FEET
TT4	32.3	FEET
TT2	37.0	FEET
SRAT	34.5	FEET
ILD	9.4	FEET
ILM	5.7	FEET
SPAR	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT
WSV1	WF1	
DSIN	5	US
CDTS	100.000	
DTF	189.000	US/F
SBR	1.00000	OHMM
FPHI	SPHI	
FNUM	.620000	
BS	7.87500	IN
PP	NORM	

NAME	VALUE	UNIT
DWS	16	
DDEL	200	US
DWCO	512	
DTM	56.0000	US/F
DSEC	3.30000	MMHO
MSEC	6.30000	MMHO
FEXP	2.15000	
BHS	OPEN	
DO	0.0	F

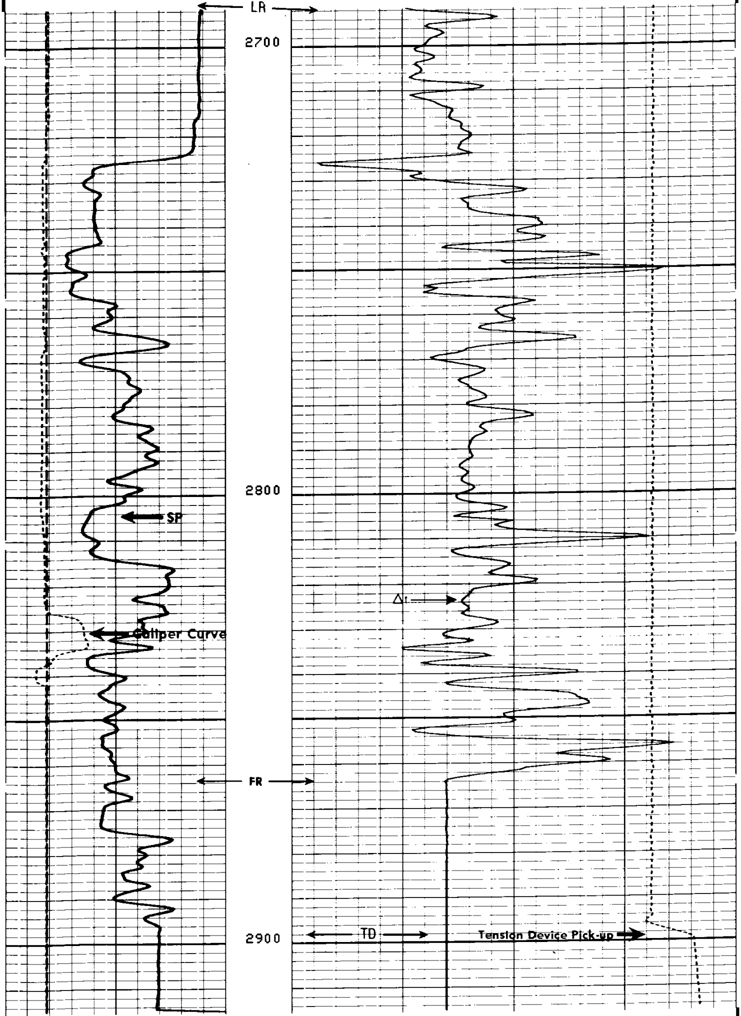
TAPE NOT MADE

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

TENS(LB)
5000.0 0.0
DT (US/F)
150.00 50.000

REPEAT SECTION

FILE 3 17-SEP-84 20:16
DATA ACQUIRED 17-SEP-84 18:36



FILE 3 17-SEP-84 20:16
DATA ACQUIRED 17-SEP-84 18:32

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

TENS(LB)
5000.0 0.0
DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	37.0	FEET	AMPL	37.0	FEET
TT3	33.3	FEET	TT4	32.3	FEET
TT1	36.0	FEET	TT2	37.0	FEET
CALI	56.1	FEET	SRAT	34.5	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	28.8	FEET			

PARAMETERS

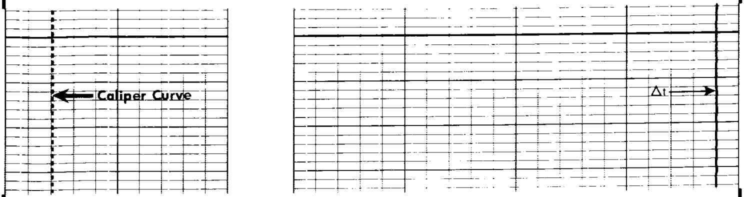
NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	3.30000	MMHO
FPHI	SPHI		MSEC	6.30000	MMHO
FNUM	.620000		FEXP	2.15000	
BS	7.87500	IN	BHS	OPEN	
PP	NORM		DO	0.0	F

TAPE NOT MADE

CALI(IN)
6.0000 16.000
DT (US/F)
150.00 50.000

Sonic Check in Casing

FILE 5 17-SEP-84 18:10



FILE 5 17-SEP-84 18:10

CALI(IN)
6.0000 16.000
DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

CBL	37.0	FEET	AMPL	37.0	FEET
TT3	33.3	FEET	TT4	32.3	FEET
TT1	36.0	FEET	TT2	37.0	FEET
CALI	56.1	FEET	SRAT	34.5	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	28.8	FEET			

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                              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 3.30000   MMHO
          FPHI SPHI                                   MSEC 6.30000   MMHO
          FNUM .620000                                FEXP 2.15000
          BS   7.87500   IN                           BHS  OPEN
```