Schlumberger

BOREHOLE COMPENSATED SONIC 5"

CSU

RECEIVED - PTLD
JUL 17 1985
DEPT. OF GEOLOGY
& MINERAL INDUS.

COMPANY: REICHHOLD ENERGY CORPORATION
WELL: COLUMBIA COUNTY #23-35
FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 896.5'E & 134.5'N OF
W 1/4 CORNER OF
SEC: 35 TWP: 7N RGE: 5W

OTHER SERVICES-
DIL
HDT

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 1359.7 '
LOG MEASURED FROM: KB
11.4 ' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 1371.1 '
DF:
GL: 1359.7 '

PROGRAM
TAPE NO:
24.2
SERVICE
ORDER NO:
432418

DATE: 8 JUN 85
RUN NO: 1

DEPTH-DRILLER: 3593.0 '
DEPTH-LOGGER: 3548.0 '
BTM. LOG INTERVAL: 3513.0 '
TOP LOG INTERVAL: 658.0 '

CASING-DRILLER: 660 '
CASING-LOGGER: 658 '
CASING: 8 5/8"

BIT SIZE: 7 7/8"
DEPTH: 3593 '

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 9.1 LB/G
VISCOSITY: 48.0 S
PH: 9.0
FLUID LOSS: 7.4 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.890 OHMM AT 58.0 DEGF
RMF: 2.820 OHMM AT 57.0 DEGF
RMC: 1.650 OHMM AT 54.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 1.823 OHMM AT 96.0 DEGF
RMF AT BHT: 1.752 OHMM AT 96.0 DEGF
RMC AT BHT: .977 OHMM AT 96.0 DEGF

TIME CIRC. STOPPED: 3:45 6/8
TIME LOGGER ON BTM.: 7:20 6/8

MAX. REC. TEMP: 96.0 DEGF

LOGGING UNIT NO:	8057
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	MAYER
WITNESSED BY:	THOMAS

REMARKS:

DIL AND SONIC WERE RUN IN COMBINATION.
FINS AND CMEZ WERE USED FOR CENTRALIZATION.
CHLORIDES: 450PPM
CALIPER IS READING LOW DUE TO HOLE DEVIATION.
LOG WAS RUN AT 1800'/HR TO REDUCE NOISE ON SONIC.

EQUIPMENT NUMBERS-

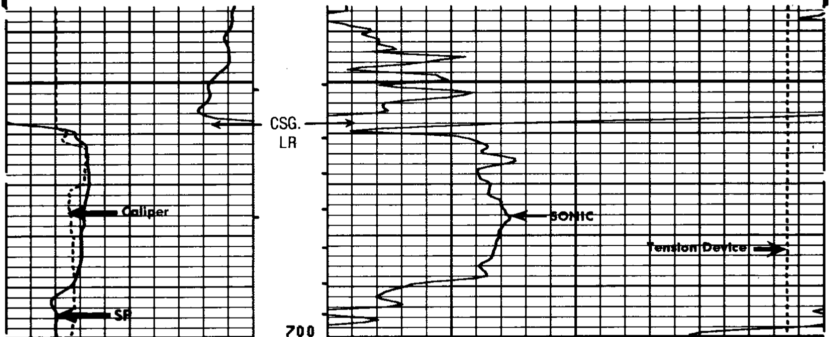
DIS 567	DIC 552	SLS 252	SLC 1470
MCD 1237	IEM 232	SLS 383	

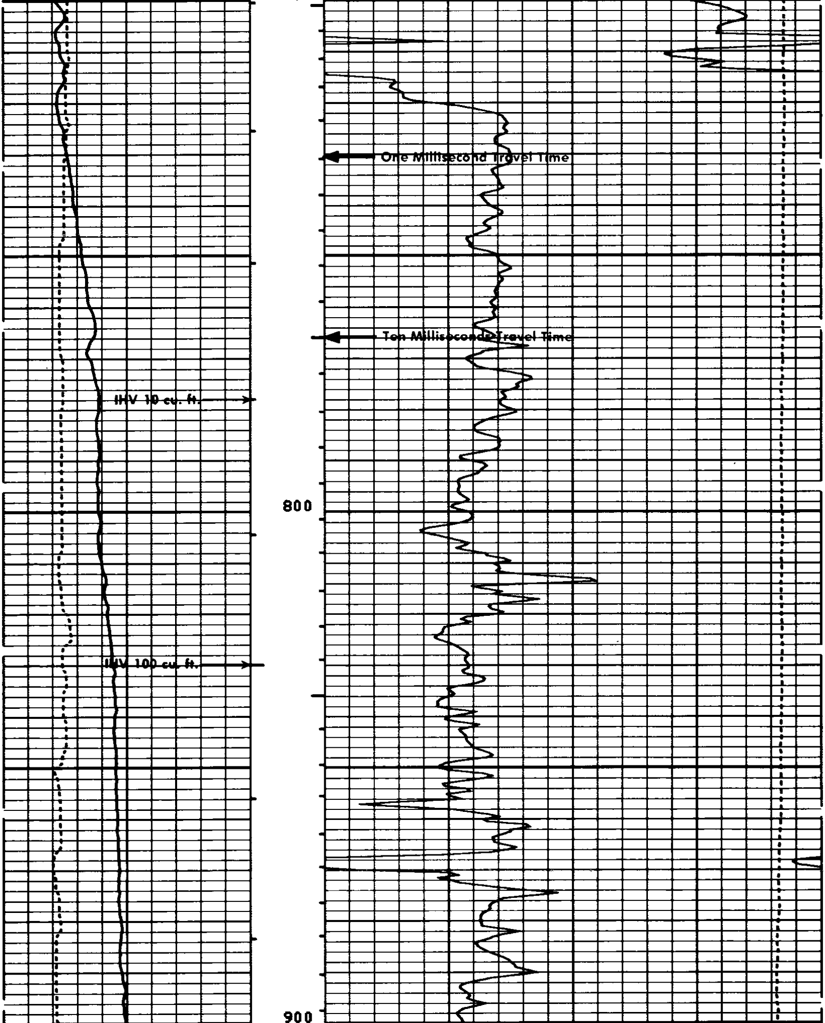
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

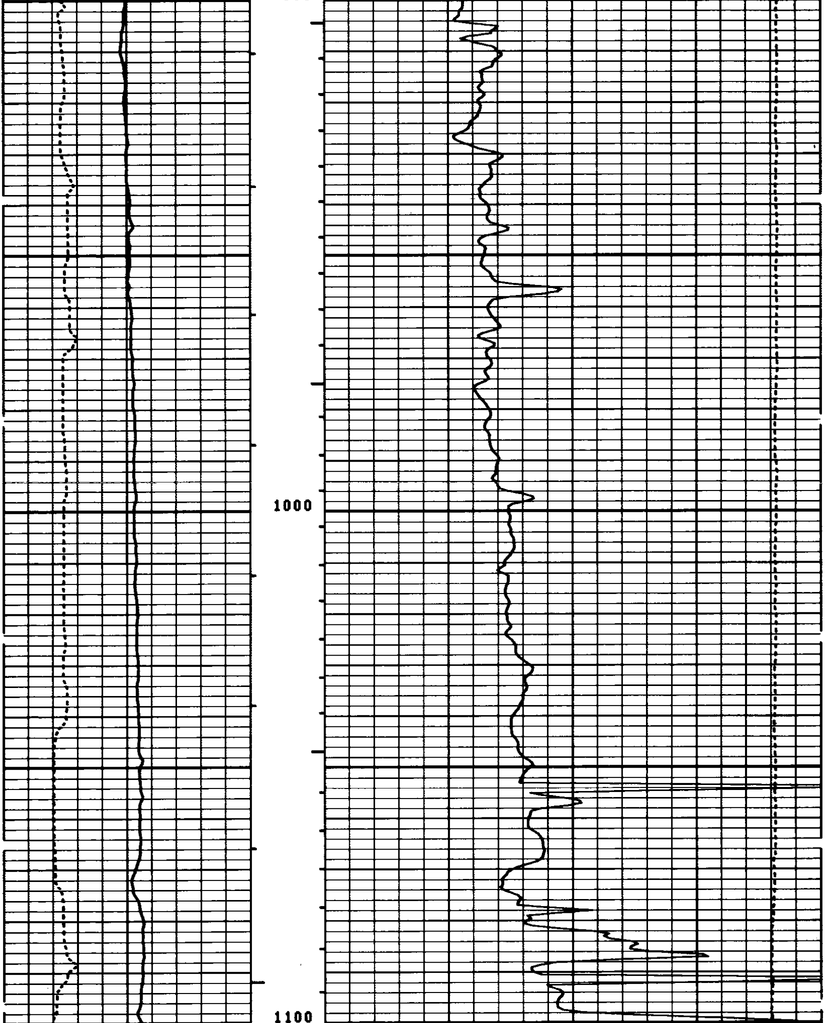
FILE 103 08-JUN-85 09:24
DATA ACQUIRED 08-JUN-85 08:52

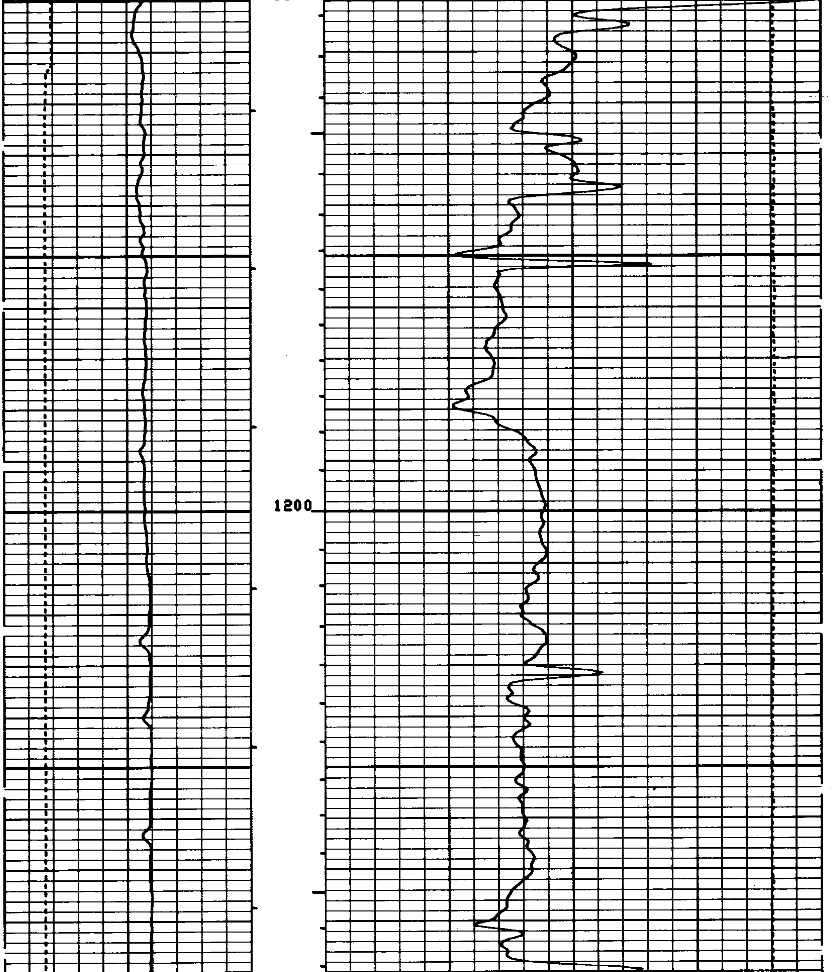
CALI(IN)			TENS(LB)
6.0000 — 16.000			10000. — 0.0
SP (MV)		DT (US/F)	
-100.0 — 0.0		175.00 — 75.000	

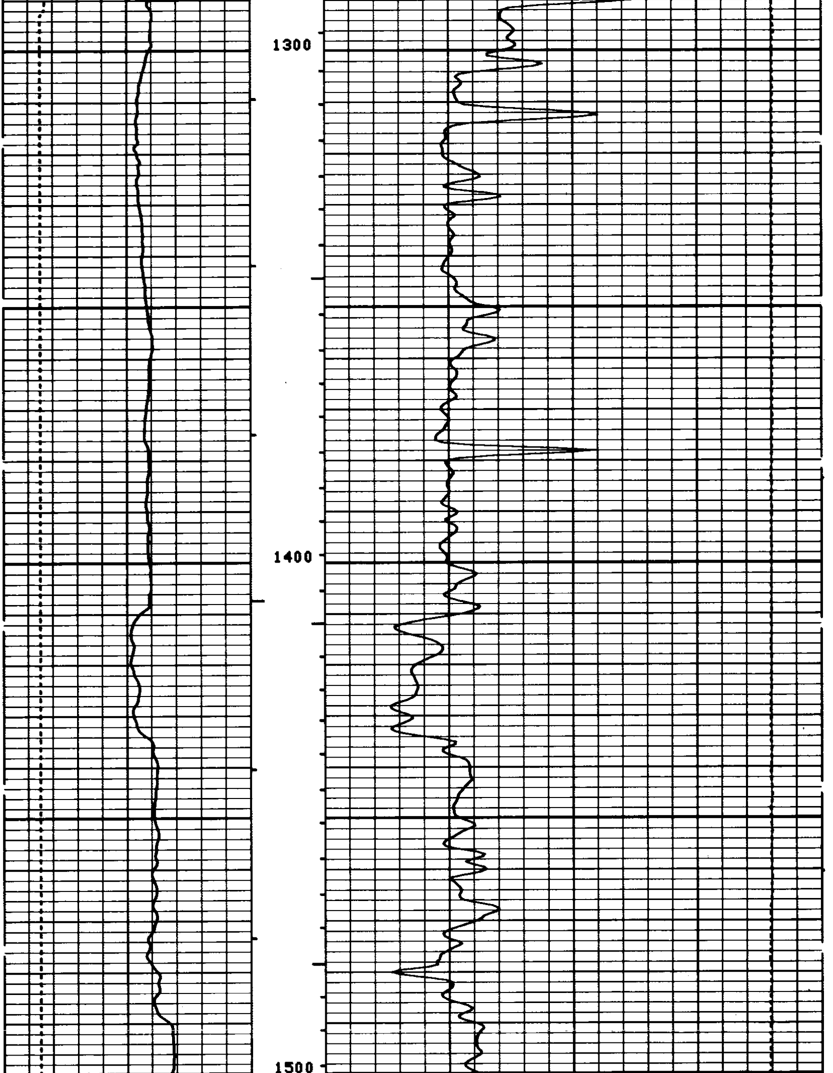
FILE 102 08-JUN-85 09:16
DATA ACQUIRED 08-JUN-85 08:52

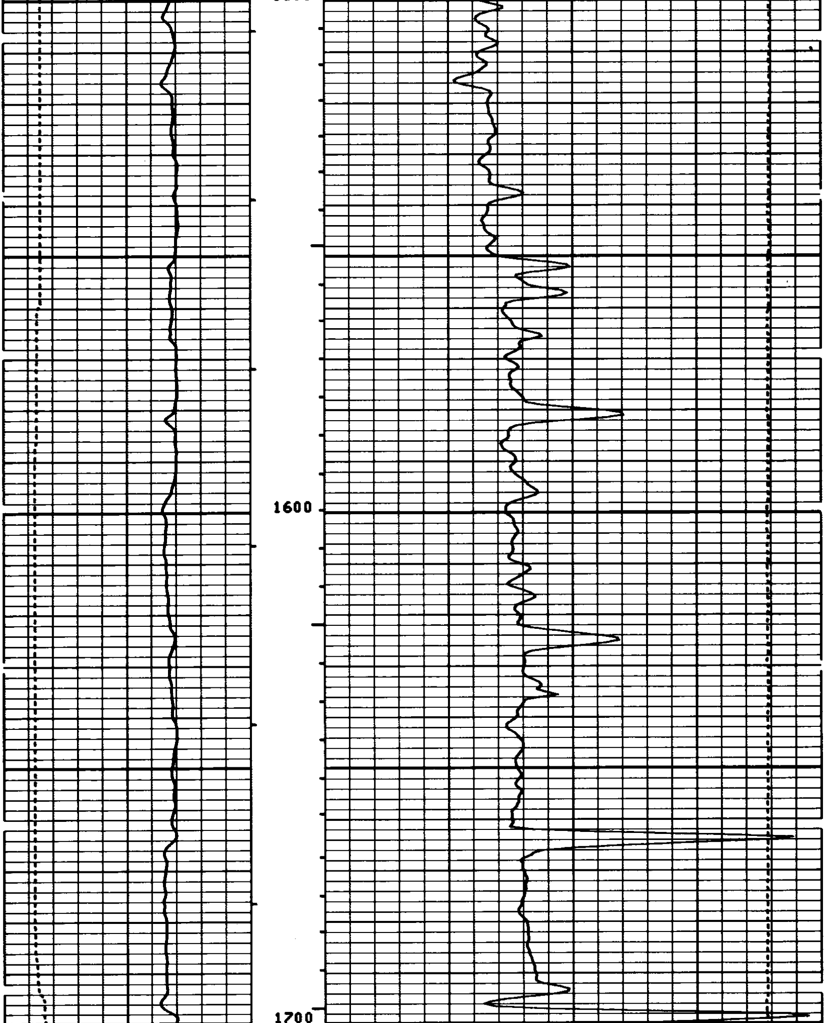


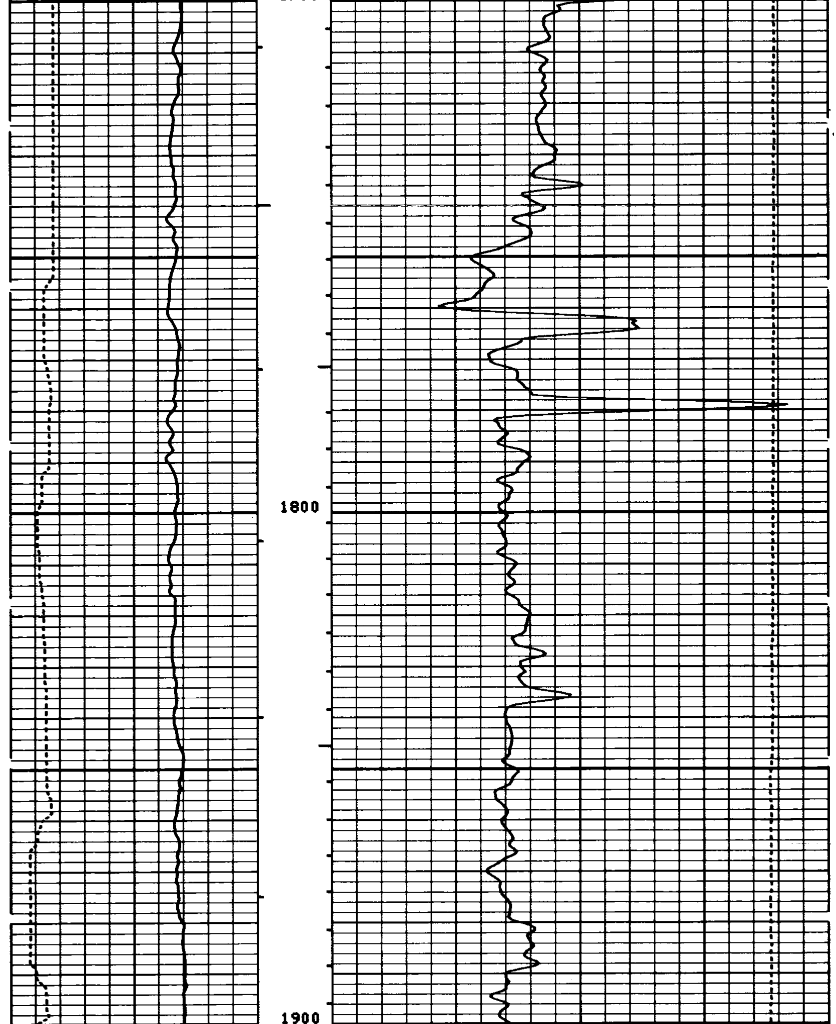


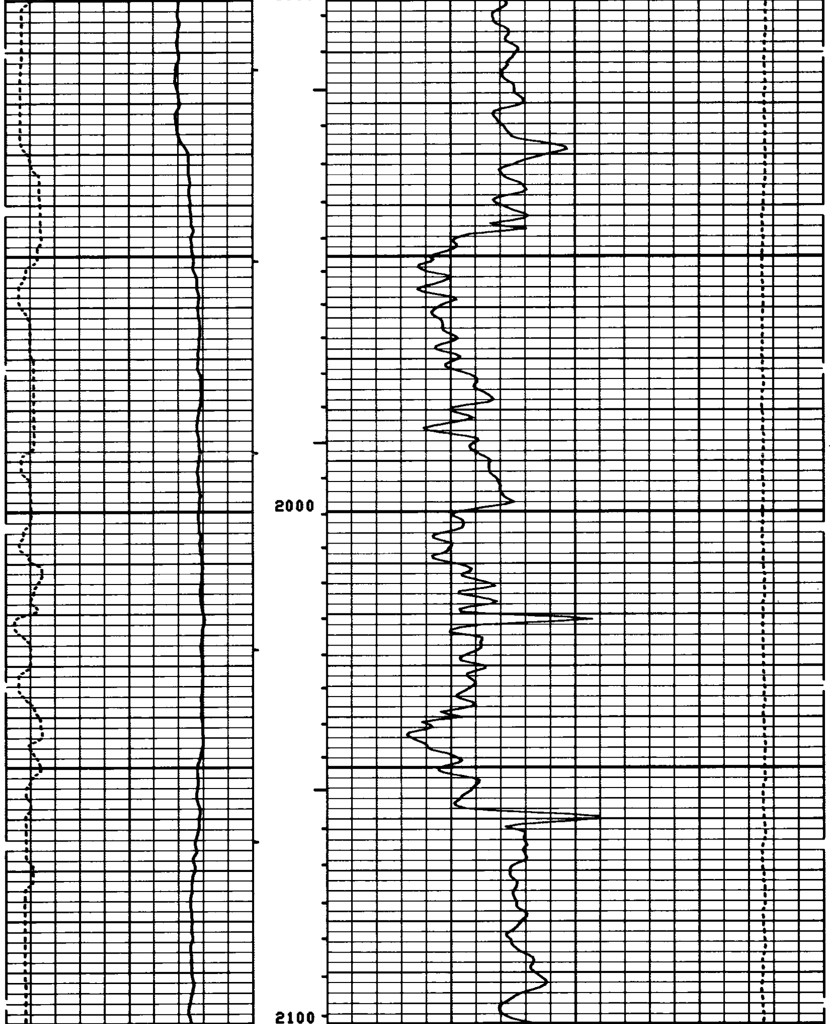


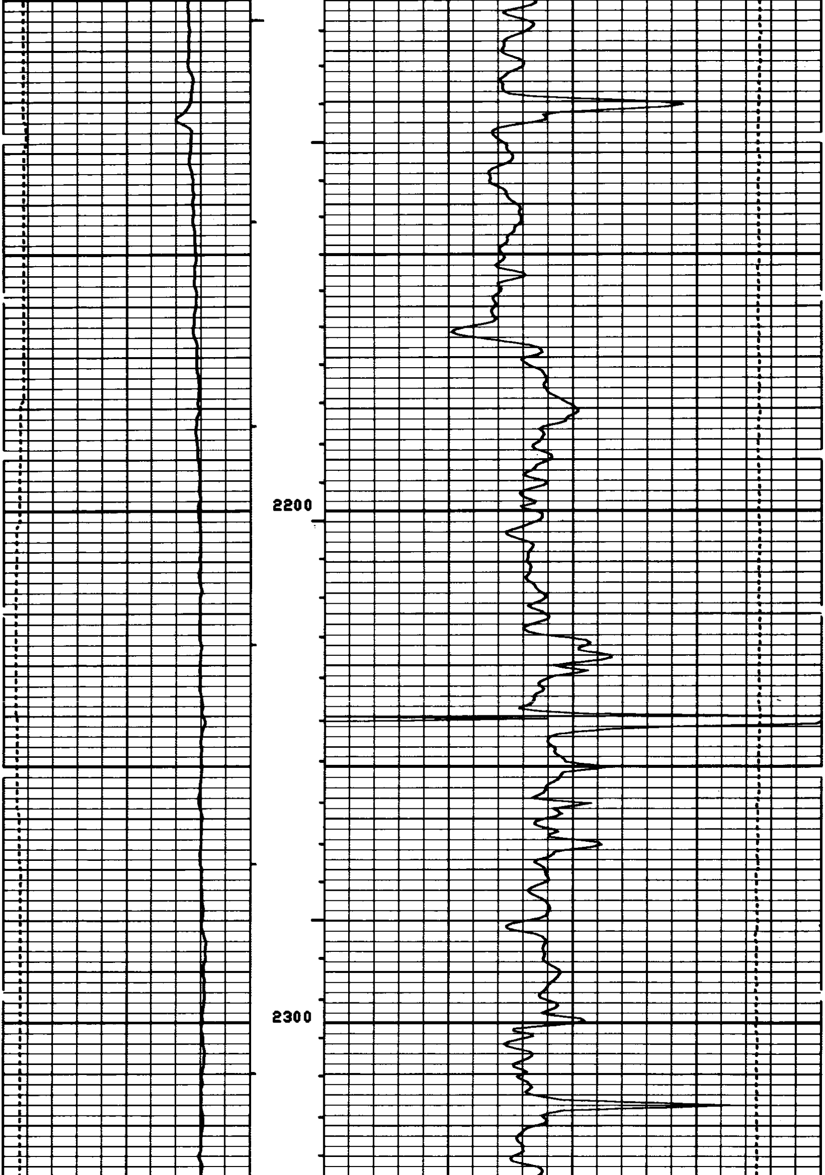


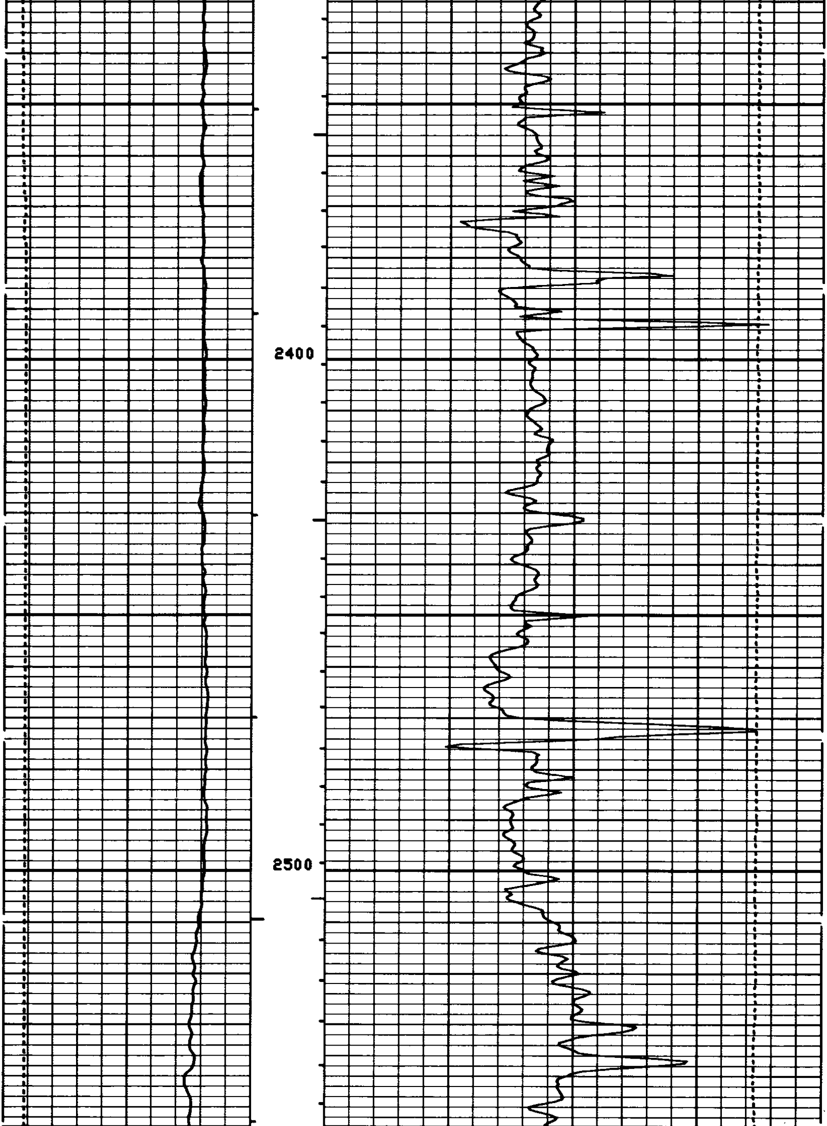


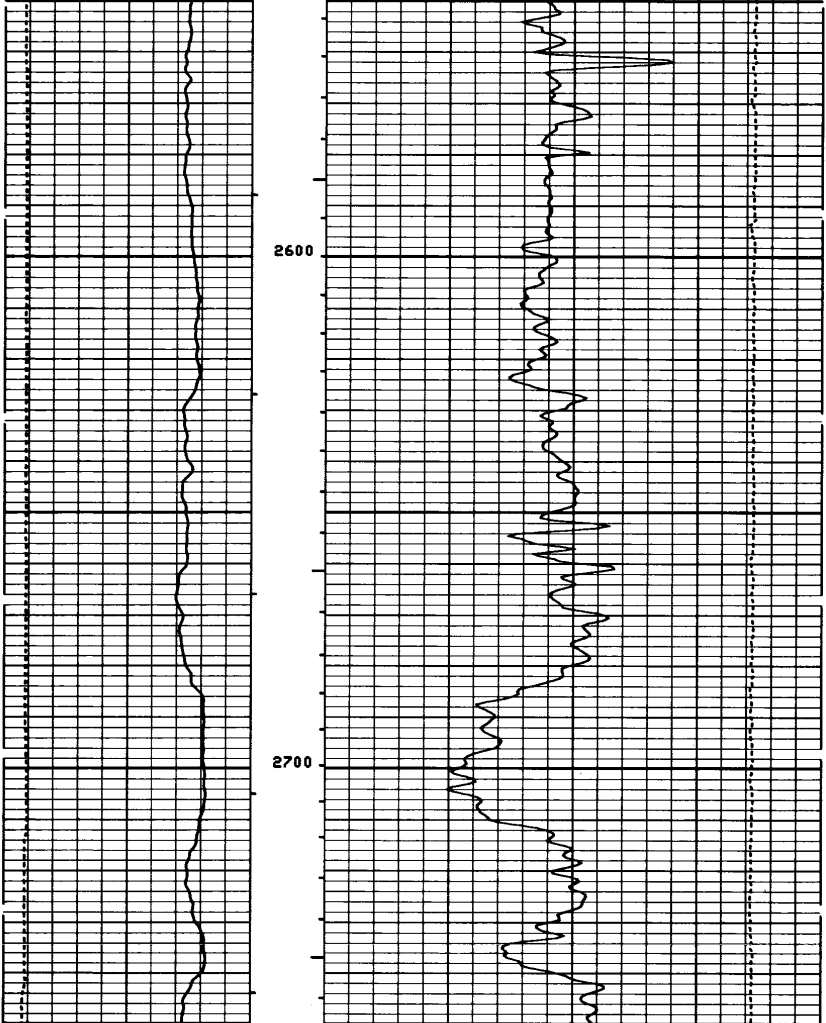


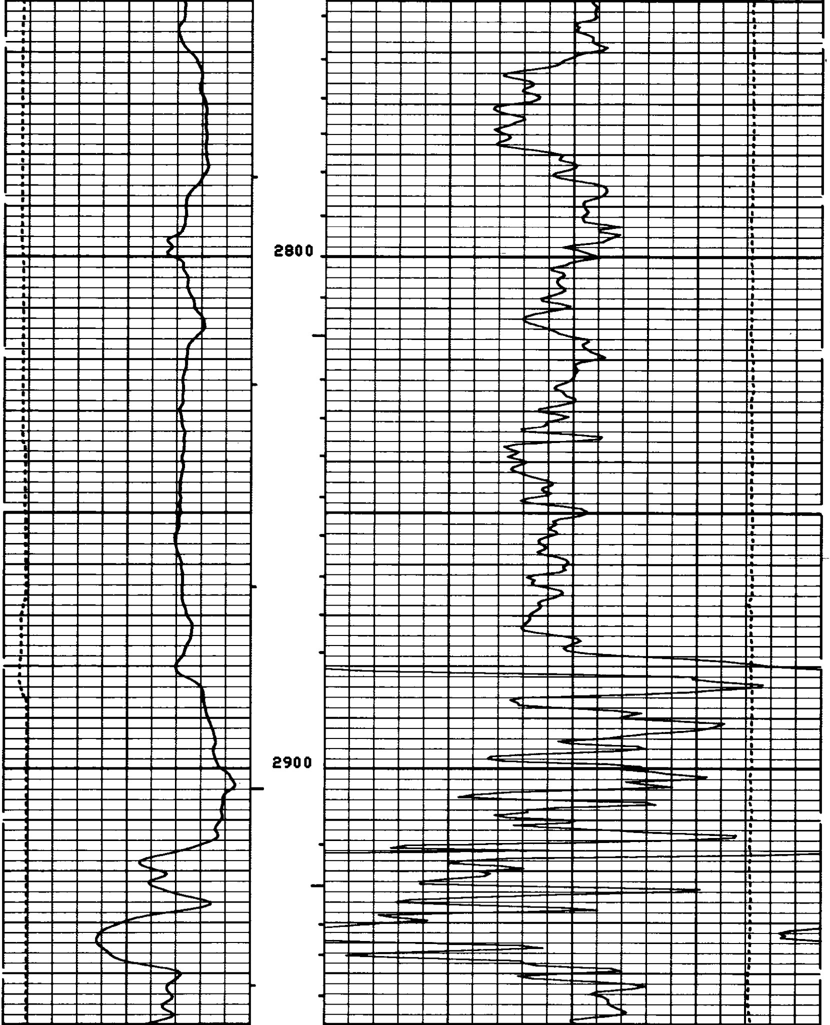


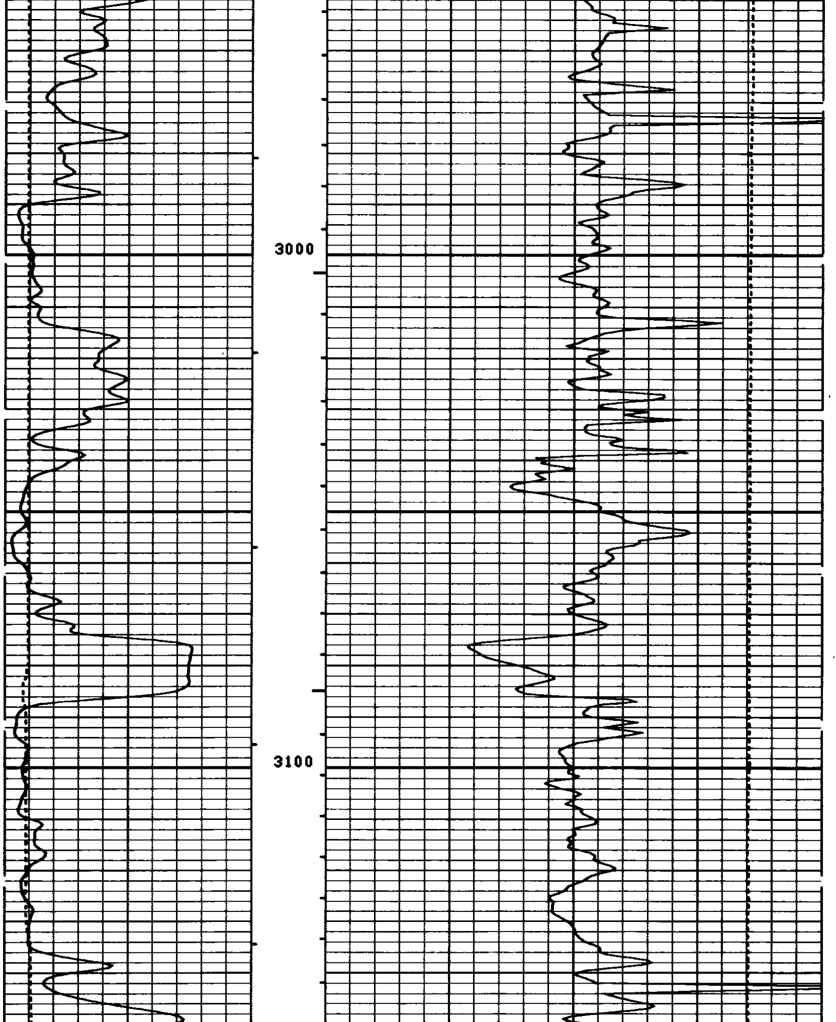


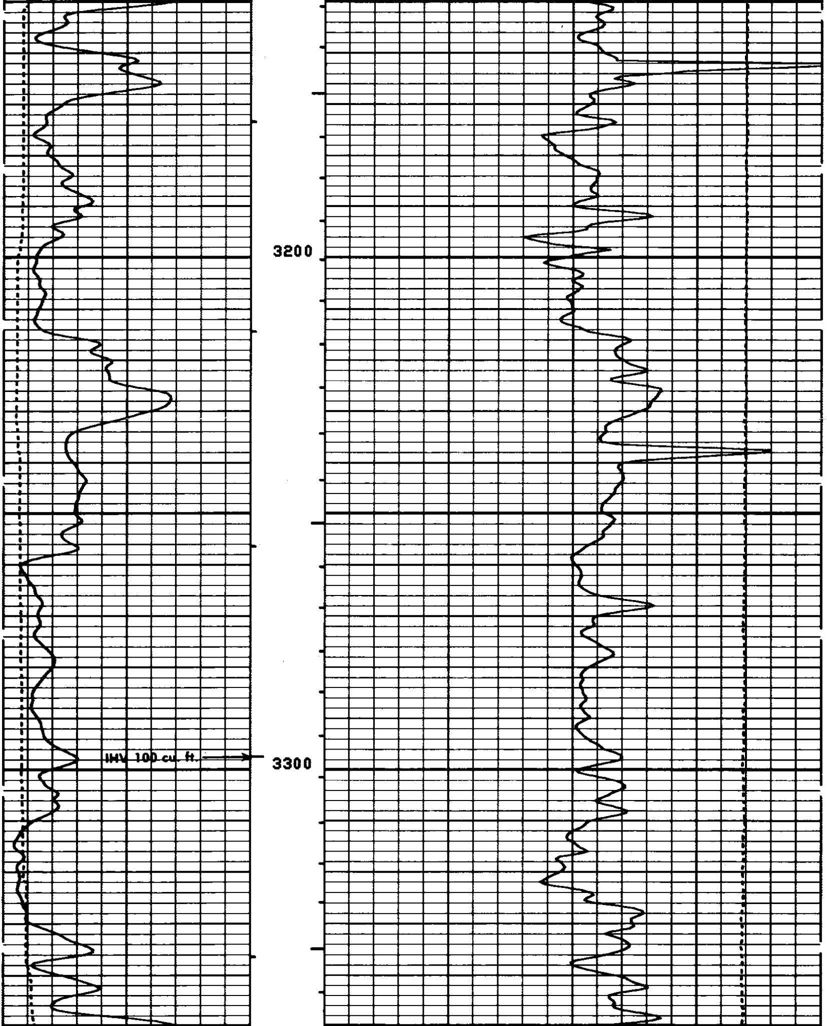


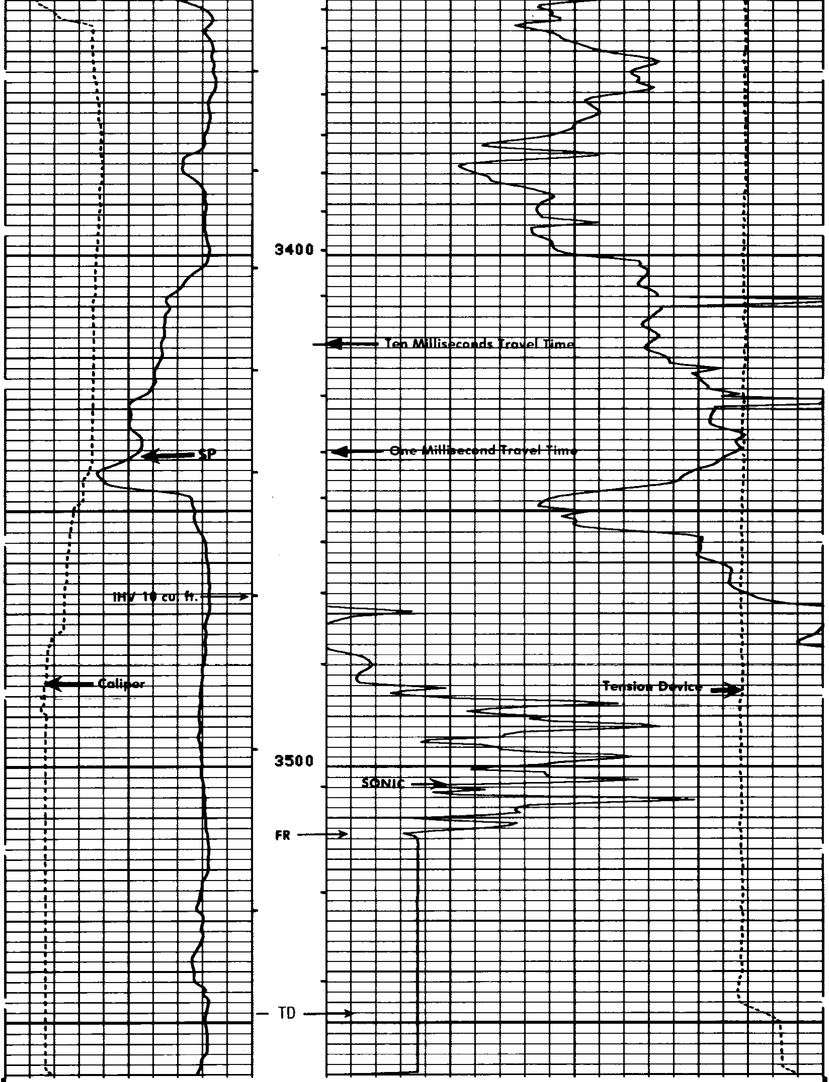












FILE 102 08-JUN-85 09:07
DATA ACQUIRED 08-JUN-85 07:22

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

TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

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

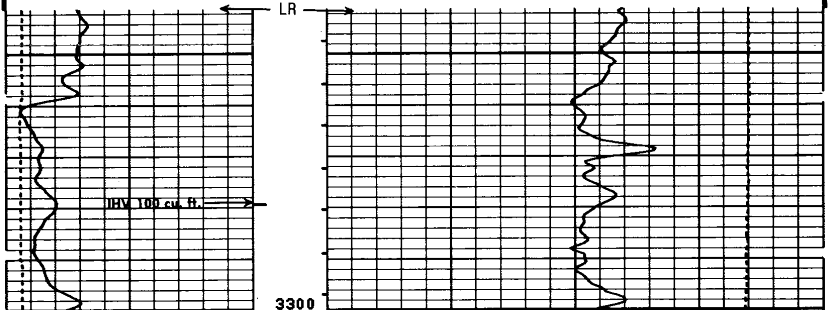
NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	140.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	6.60000	MMHO
FPHI	SPHI		MSEC	7.20000	MMHO
BS	7.87500	IN	BHS	OPEN	
SPDR	0.0		DO	0.0	F
PP	NORM				

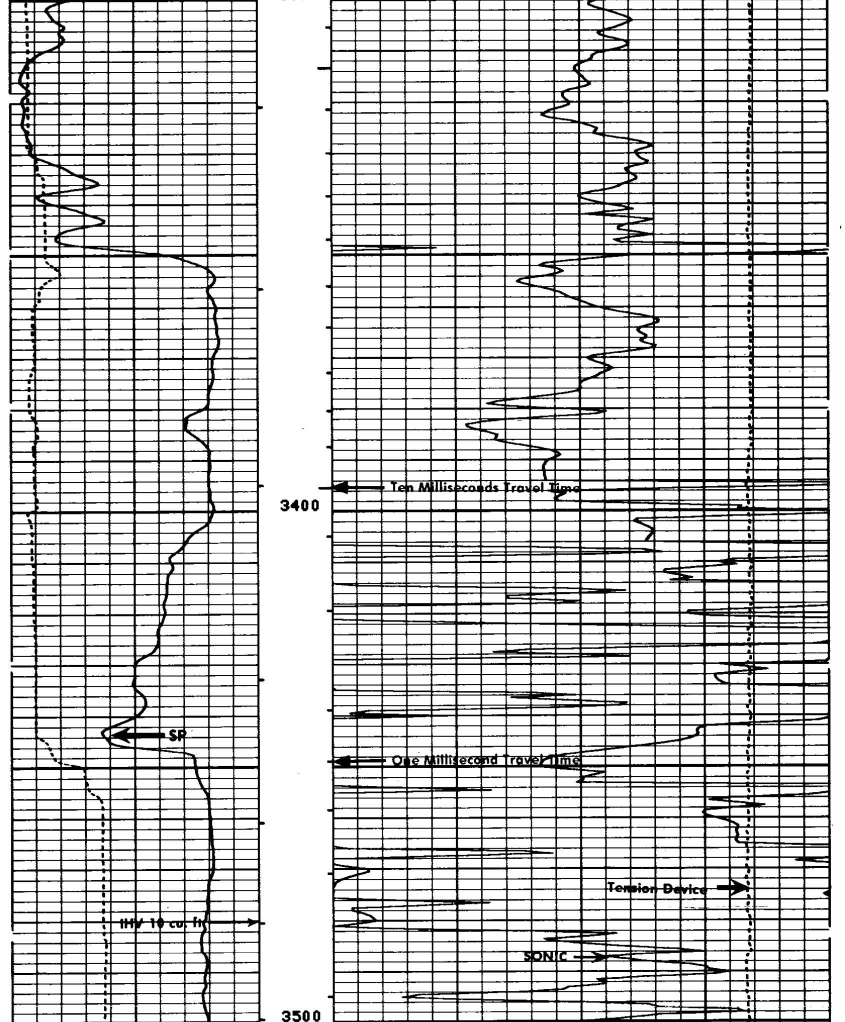
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

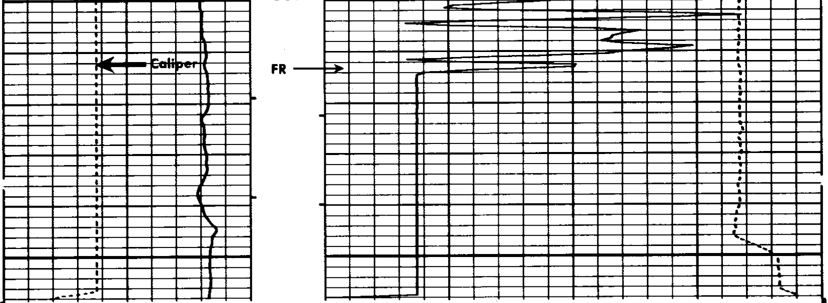
TENS(LB)
10000. 0.0
DT (US/F)
175.00 75.000

REPEAT SECTION

FILE 101 08-JUN-85 09:06
DATA ACQUIRED 08-JUN-85 07:20







FILE 101 08-JUN-85 09:05
DATA ACQUIRED 08-JUN-85 07:12

CALI(IN)		TENS(LB)
6.0000 16.000		10000. 0.0
SP (MV)		DT (US/F)
-100.0 0.0		175.00 75.000

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	140.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	6.60000	MMHO
FPHI	SPHI		MSEC	7.20000	MMHO
BS	7.87500	IN	BHS	OPEN	
SPDR	0.0		DO	0.0	F
PP	NORM				

MCDB

CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	7.3	12.3	7.5	11.5	IN

FILE 10 08-JUN-85 07:06