5" BHC SONIC

CSU

COMPANY:	ARCO EXPLORATION COMPANY
WELL:	"COLUMBIA COUNTY" #44-21
FIELD:	SOUTH MIST
COUNTY:	COLUMBIA
STATE:	OREGON
NATION:	U.S.A.
LOCATION:	272'N AND 472'W FROM SE CORNER OF
SEC:	21
TWP:	6N
RGE:	5W

OTHER SERVICES-
- DIL
- FDC-CNL-GR
- HDT
- WST
- CST

API SERIAL NO:
36 009 001

PERMANENT DATUM:	GL
ELEV. OF PERM. DATUM:	869.6 F
LOG MEASURED FROM:	KB
10.3 F ABOVE PERM. DATUM	
DRLG. MEASURED FROM:	KB

ELEVATIONS-
KB: 880.0 F
DF: 879.0 F
GL: 869.6 F

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:
432309

DATE:	6 FEB 85
RUN NO:	1

CONFIDENTIAL

DEPTH-DRILLER:	4500.0 F
DEPTH-LOGGER:	4500.0 F
BTM. LOG INTERVAL:	4458.0 F
TOP LOG INTERVAL:	990.0 F
CASING-DRILLER:	990 F
CASING-LOGGER:	990 F
CASING:	9 5/8"
BIT SIZE:	8 3/4"
DEPTH:	4500 F

TYPE FLUID IN HOLE:	GEL/LIGNO
DENSITY:	11.6 LB/G
VISCOSITY:	51.0 S
PH:	8.0
FLUID LOSS:	6.1 C3
SOURCE OF SAMPLE:	MUDPIT
RM:	2.640 OHMM AT 64.0 DEGF
RMF:	2.700 OHMM AT 48.0 DEGF
RMC:	3.590 OHMM AT 48.0 DEGF
SOURCE RMF/RMC:	MEASURED/MEASURED
RM AT BHT:	1.629 OHMM AT 108. DEGF
RMF AT BHT:	1.291 OHMM AT 108. DEGF
RMC AT BHT:	1.716 OHMM AT 108. DEGF
TIME CIRC. STOPPED:	03:00 2-5
TIME LOGGER ON BTM.:	21:10 2-6
MAX. REC. TEMP:	108.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: PILCH
WITNESSED BY: ANDERSON

REMARKS:

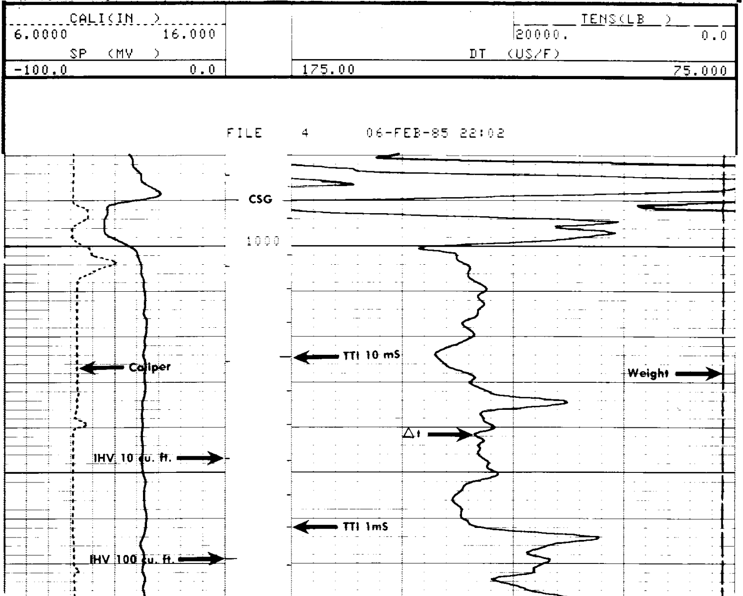
550 PPM CHLORIDES
DUAL AND SONIC RUN IN COMBINATION.
CME-Z AND FINS USED FOR SONIC CENTRALIZATION.

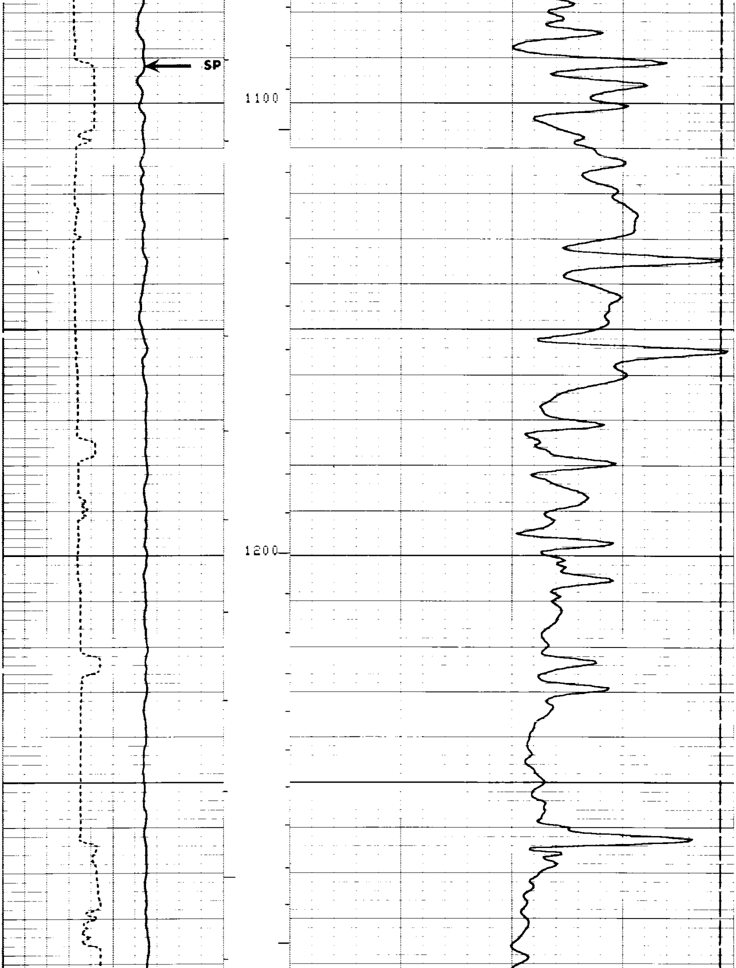
EQUIPMENT NUMBERS-

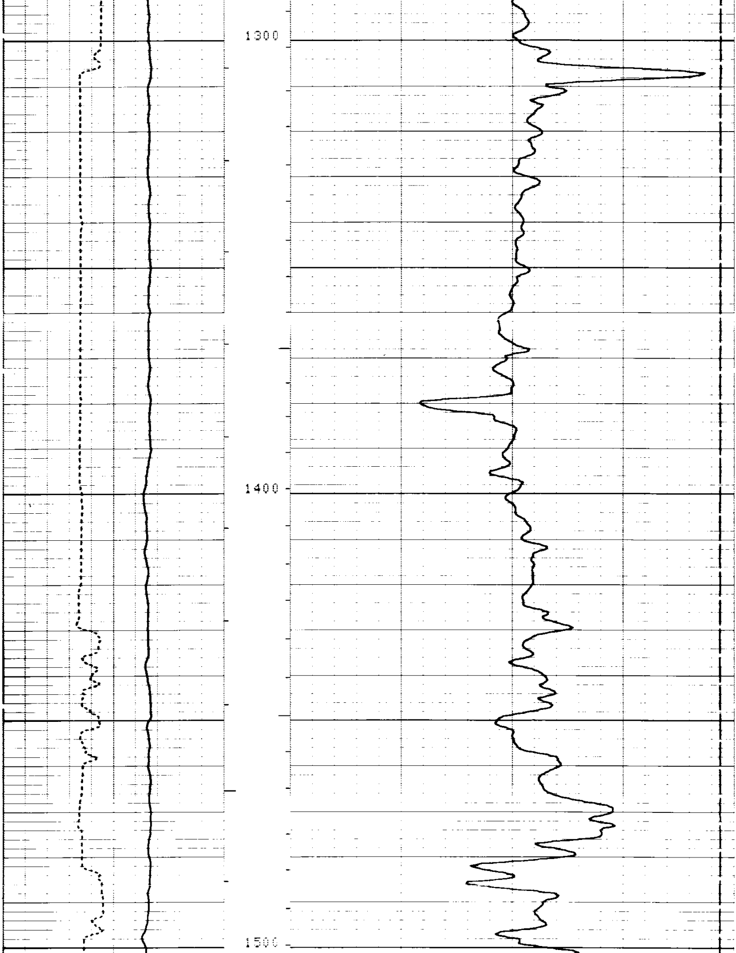
DIS-EC 567	DIC-DA 552	MCD-DA 1237	SLS-RC 525
SLC-FA 1468	IEM-DD 304	SLM-DA 428	

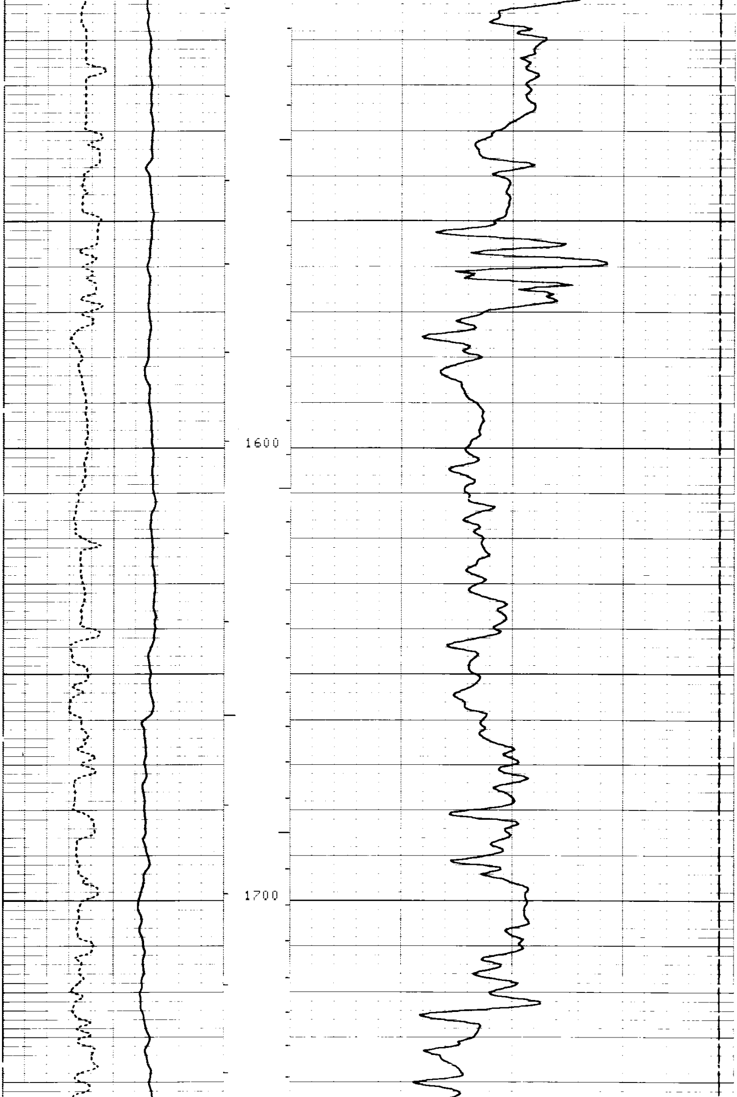
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

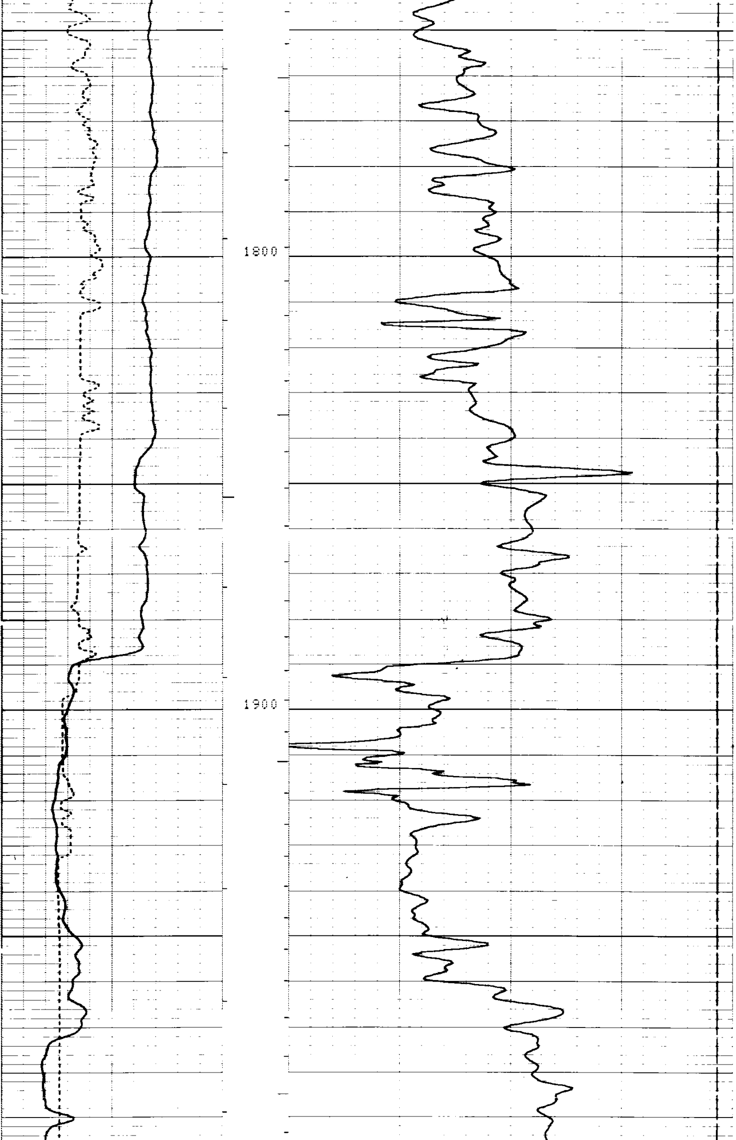
FILE 101 06-FEB-85 22:28
DATA ACQUIRED 06-FEB-85 22:02

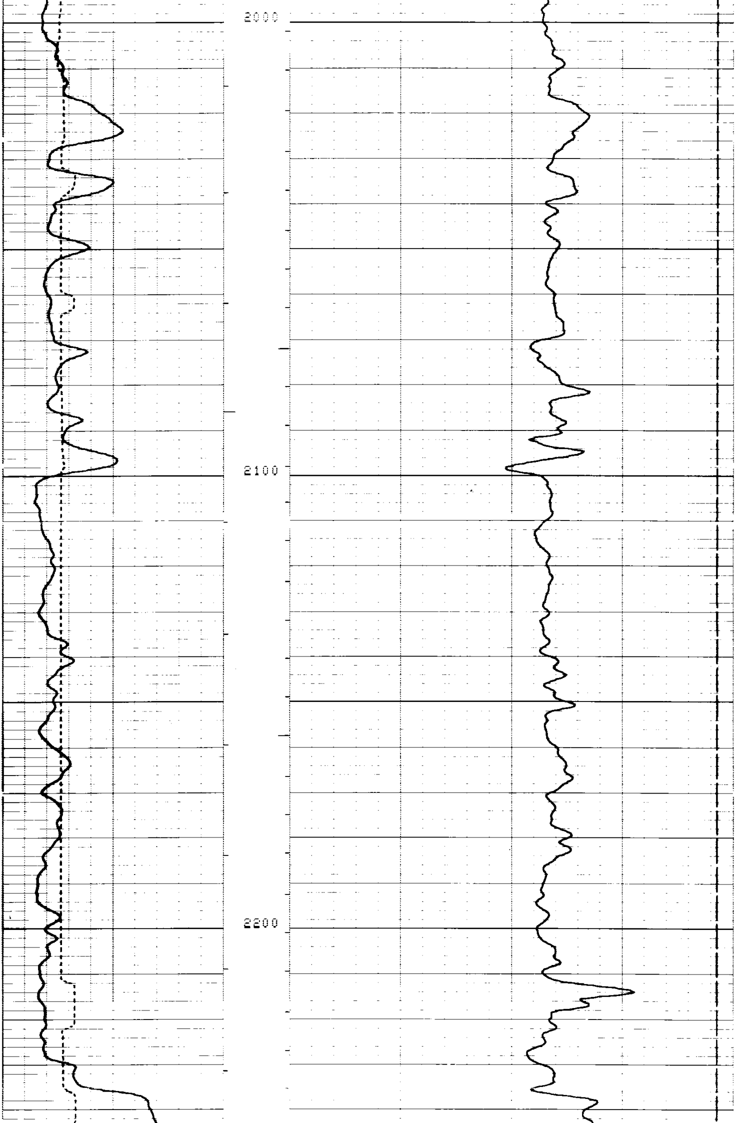


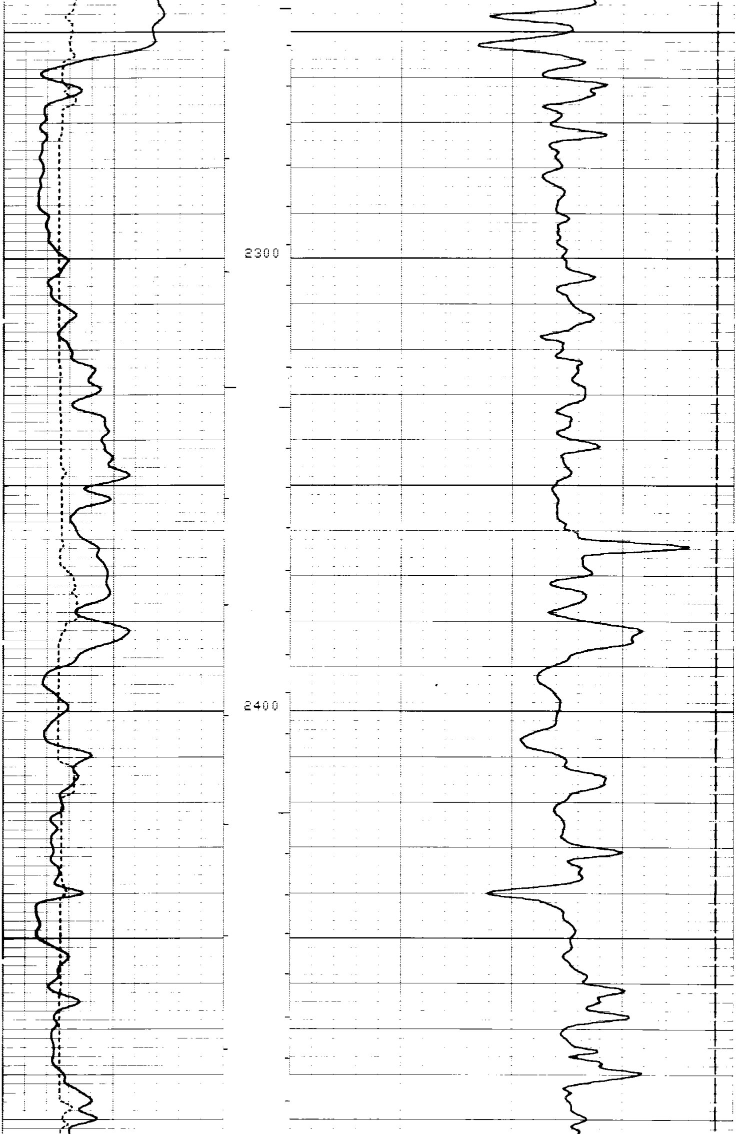


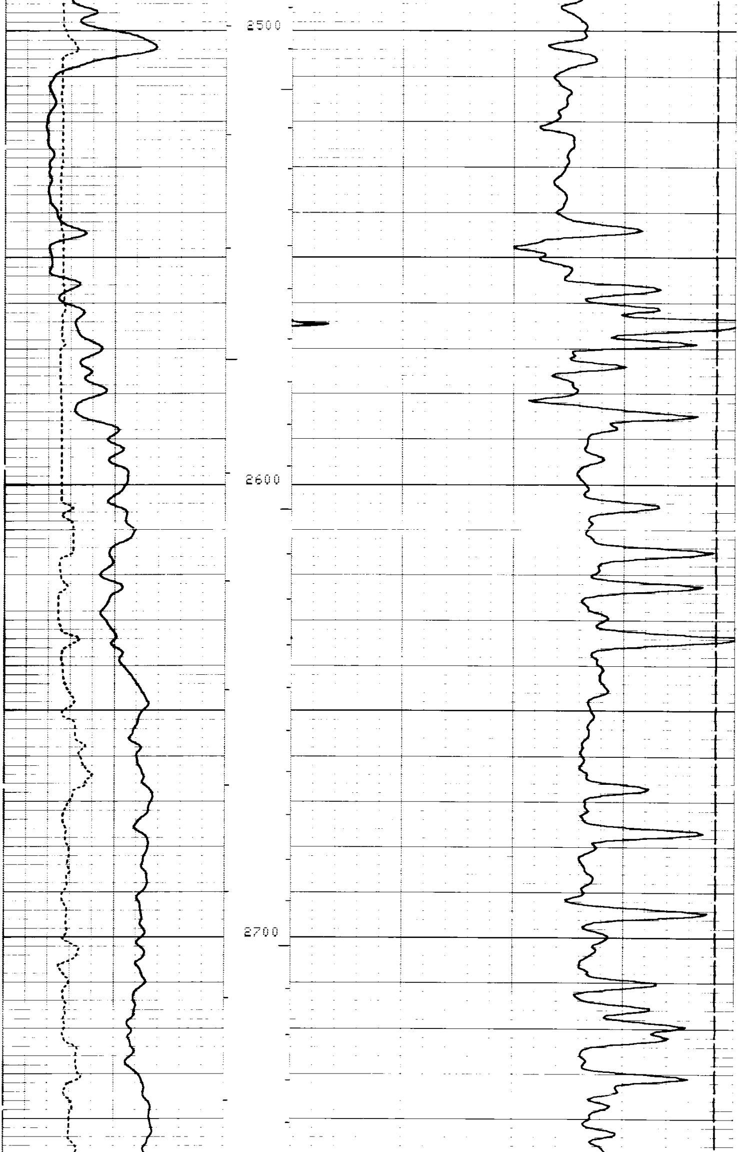


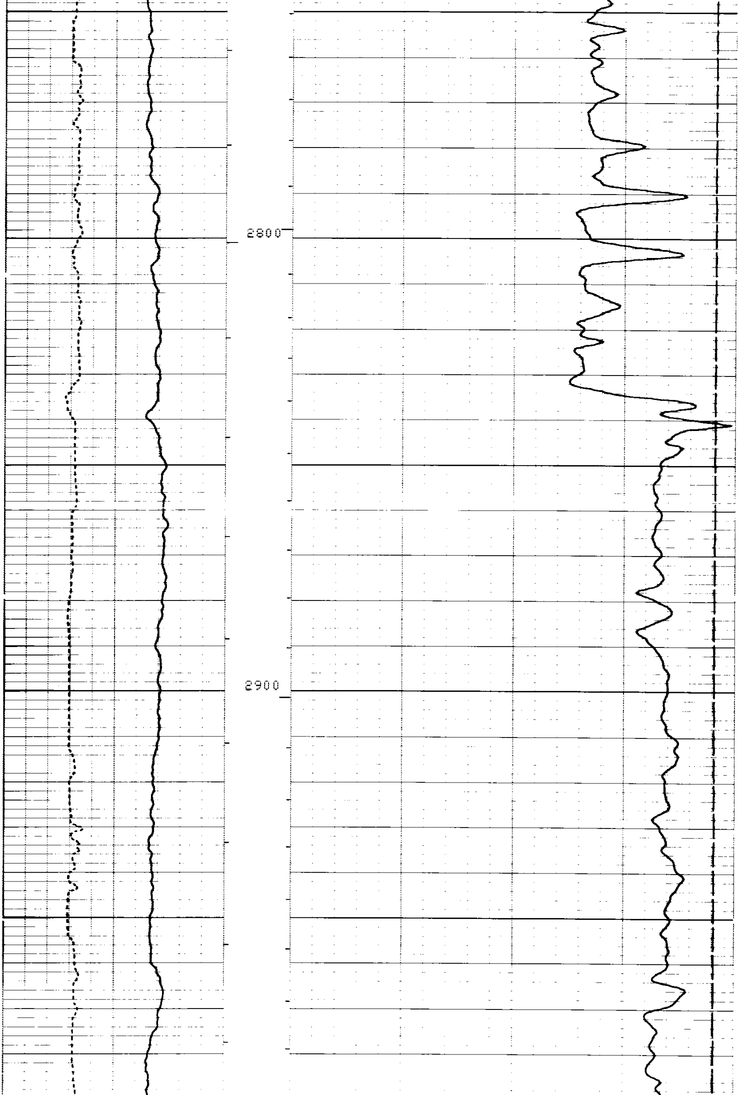


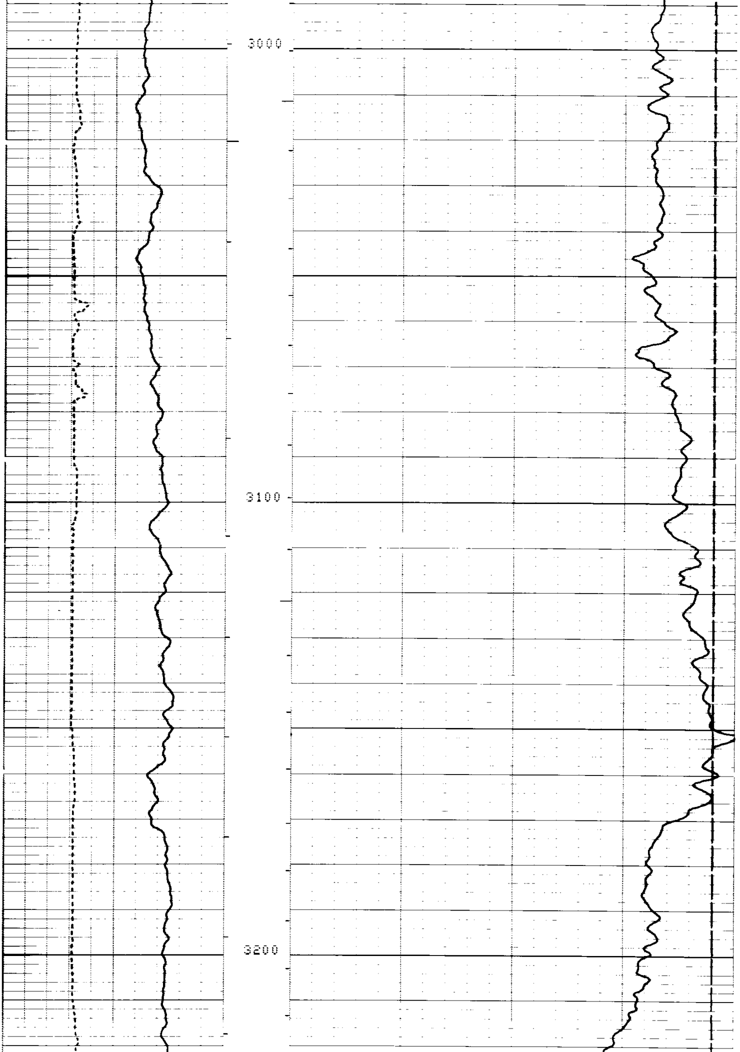


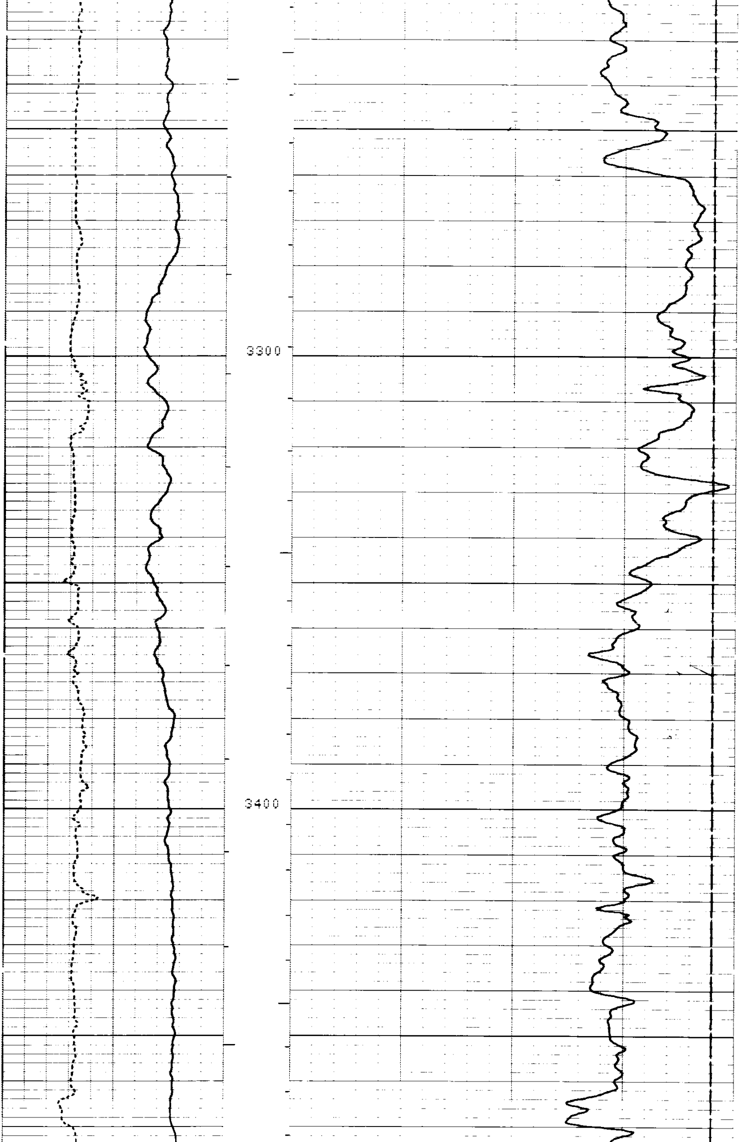


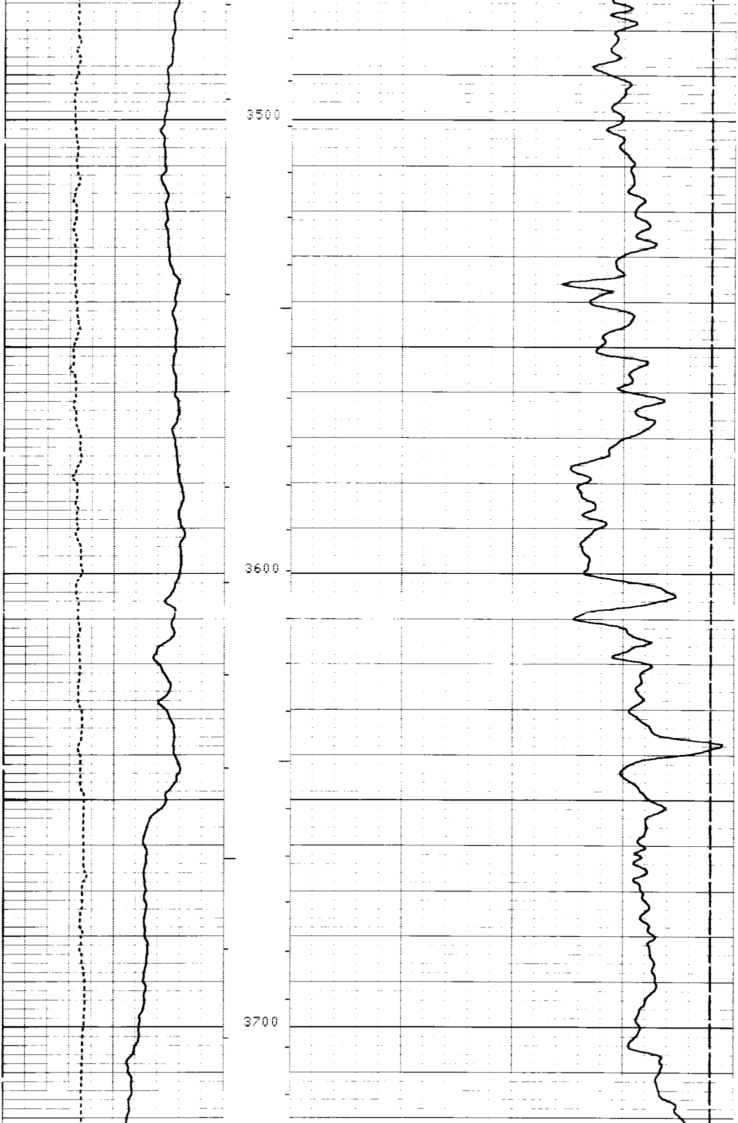


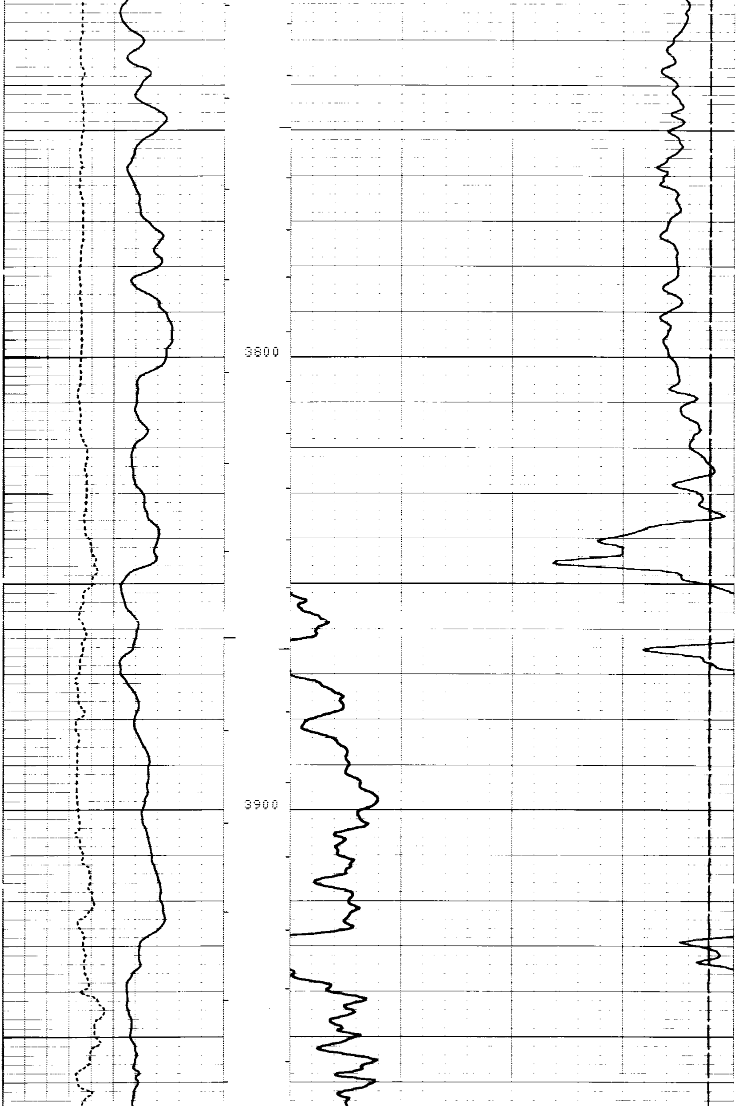


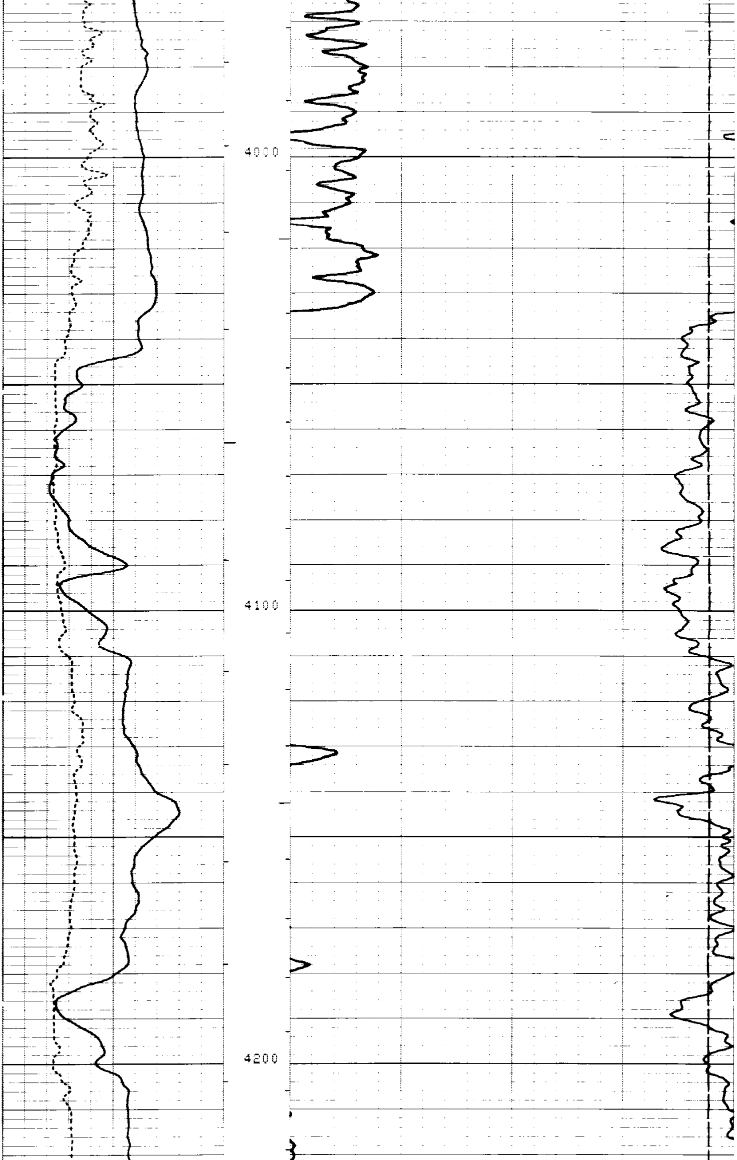


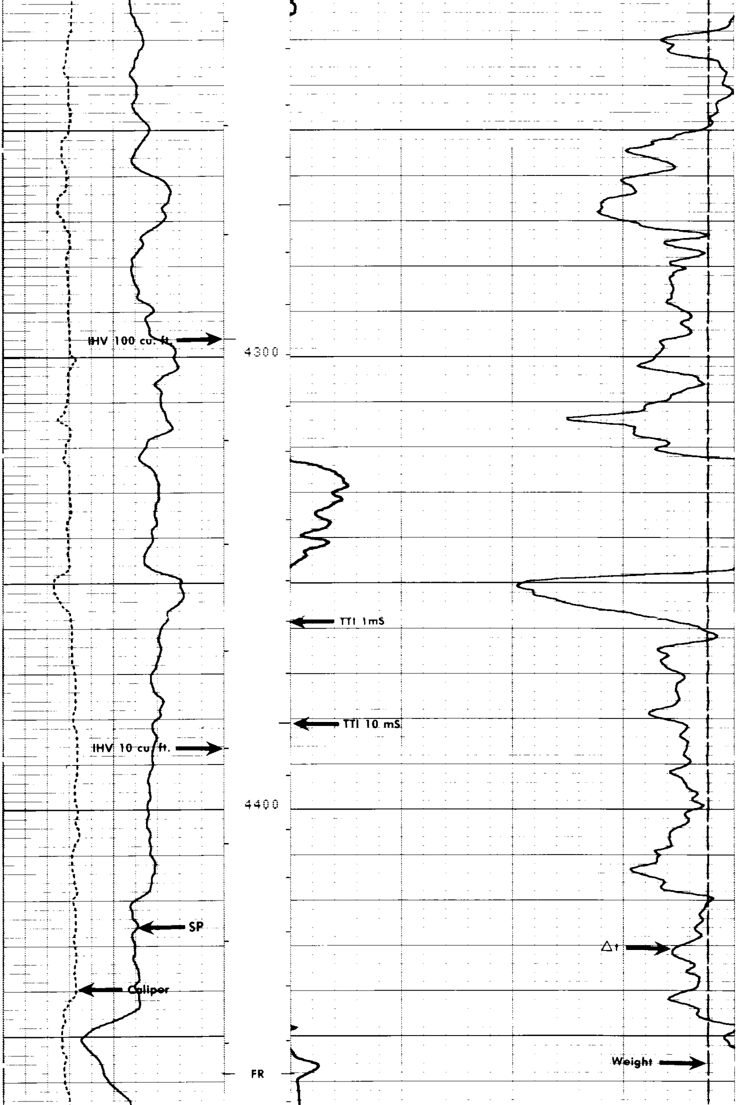


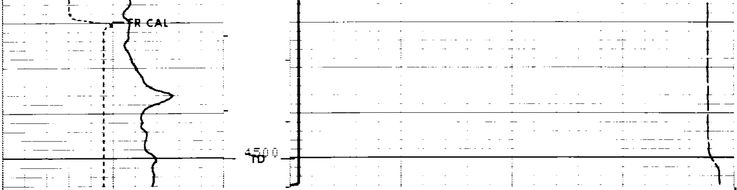












FILE 4 06-FEB-85 21:11

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

TENS(LB)
20000. 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

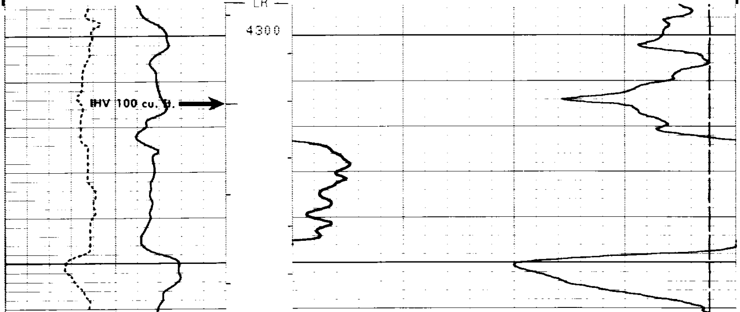
NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	7.60000	MMHO
BHS	OPEN		MSEC	7.40000	MMHO
BS	8.75000	IN			

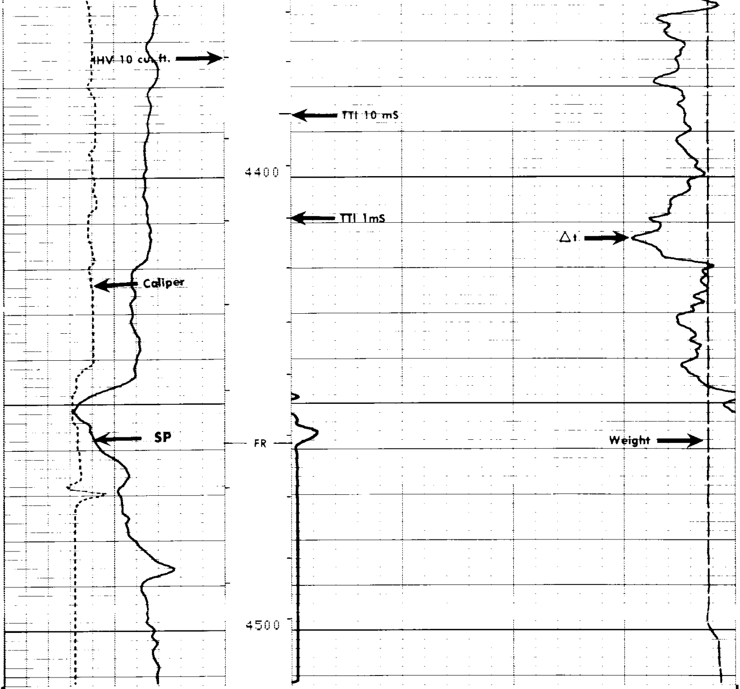
CALI(IN)
6.0000 16.000
SP (MV)
-100.0 0.0

TENS(LB)
20000. 0.0
DT (US/F)
175.00 75.000

REPEAT SECTION

FILE 3 06-FEB-85 21:11





FILE 3 06-FEB-85 21:06

CALI(IN)			TENS(LB)	
6.0000	16.000		20000.	0.0
SP (MV)			DT (US/F)	
-100.0	0.0	175.00		75.000

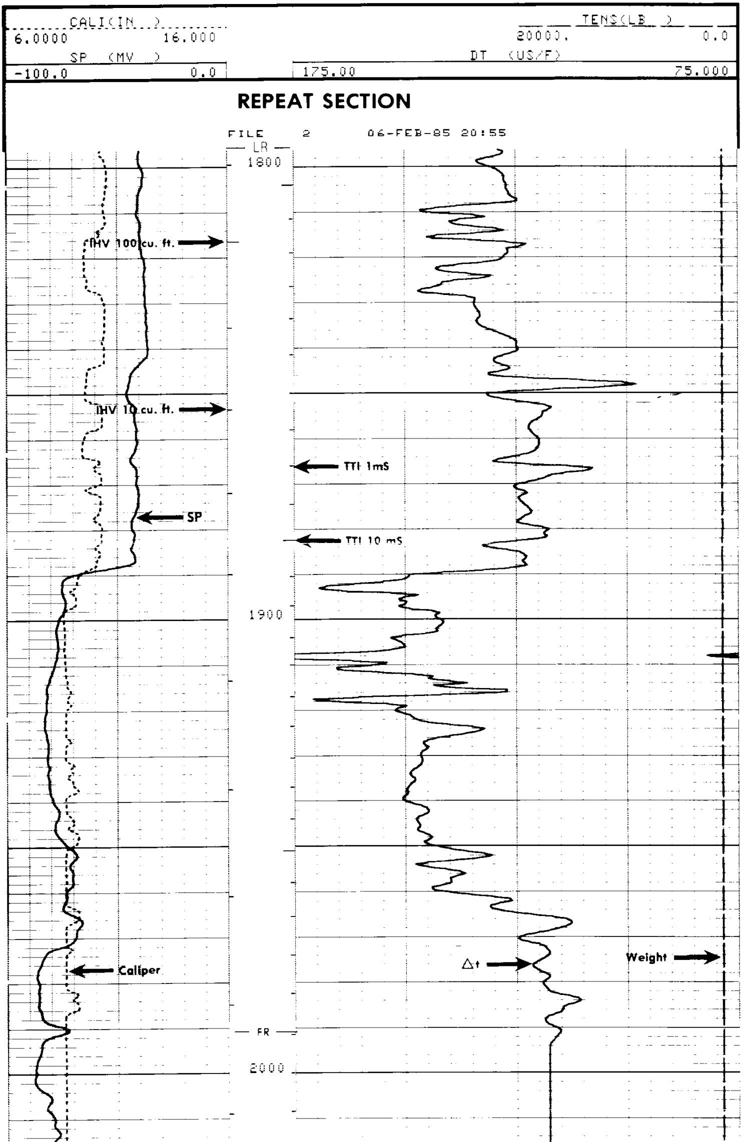
SENSOR MEASURE POINT TO TOOL ZERO

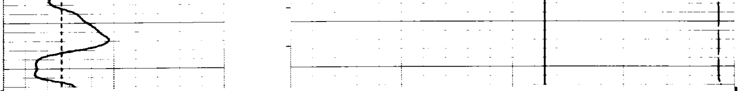
CBL	43.9	FEET	AMPL	43.9	FEET
TT3	40.1	FEET	TT4	39.1	FEET
TT1	42.9	FEET	TT2	43.9	FEET
CALI	31.8	FEET	SRAT	41.4	FEET
SFL	6.4	FEET	ILD	9.4	FEET
SP	2.5	FEET	ILM	5.7	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	35.6	FEET			

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	7.60000	MMHO
BHS	OPEN		MSEC	7.40000	MMHO
BS	8.75000	IN			

REPEAT SECTION





FILE 2 06-FEB-85 20:50

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

TENS(LB)
20000. 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

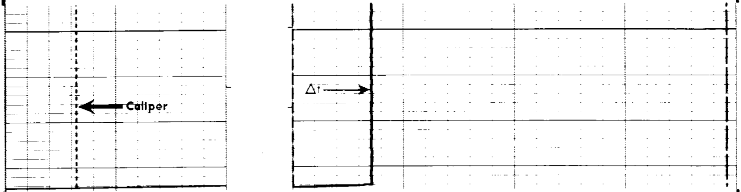
NAME	VALUE	UNIT	NAME	VALUE	UNIT
WSV1	WF1		DWS	16	
DSIN	5	US	DDEL	200	US
CDTS	100.000		DWCO	512	
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	7.60000	MMHO
BHS	OPEN		MSEC	7.40000	MMHO
BS	8.75000	IN			

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

TENS(LB)
20000. 0.0
DT (US/F)
175.00 75.000
R0 (OHMM)
2.0000 20000.

Check in Casing

FILE 0 06-FEB-85 20:39



FILE 0 06-FEB-85 20:38

TENS(LB)
20000. 0.0

CALI(IN)		DT (US/F)	
6.0000	16.000	175.00	75.000
SP (MV)		R0 (OHMM)	
-100.0	0.0	2.0000	20000.

MCDB CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	6.2	10.8	8.0	12.0	IN

FILE 1 06-FEB-85 09:07