Schlumberger

BOREHOLE COMPENSATED SONIC

CSU

COMPANY: REICHHOLD ENERGY CORPORATION

WELL: COLUMBIA COUNTY #4(REDRILL #1)

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 867'S & 1149'W OF NE COR

SEC: 15 TWP: 6N RGE: 5W WB&M

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 753.6'
LOG MEASURED FROM: KB
11.4' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 765.0'
DF:
GL: 753.6'

DATE: 20 JUL 82
RUN NO: 1

DEPTH-DRILLER: 2896.0'
DEPTH-LOGGER: 2891.0'
BTM. LOG INTERVAL: 2850.0'
TOP LOG INTERVAL: 400.0'

CASING-DRILLER: 401'
CASING-LOGGER: 400'
CASING: 7

BIT SIZE: 6.25

OTHER SERVICES-
DIL
HDT

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
303905

TYPE FLUID IN HOLE: LIGNOSULFONATE(BAROID)
DENSITY: 10.4 LB/G
VISCOSITY: 63.0 S
PH: 10.5
FLUID LOSS: 4.3 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 1.630 OHMM AT 82.0 DF
RMF: 1.160 OHMM AT 70.0 DF
RMC: 1.130 OHMM AT 69.0 DF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.343 OHM AT 101. DF
RMF AT BHT: 0.827 OHM AT 101. DF
RMC AT BHT: 0.795 OHM AT 101. DF

TIME CIRC. STOPPED: 1515
TIME LOGGER ON BTM.: 1900

MAX. REC. TEMP: 101.0 DF

LOGGING UNIT NO: 8076
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: ALGER

REMARKS:

EQUIPMENT NUMBERS-

SLS 269	SLC 1261	MCD 663	SLM 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

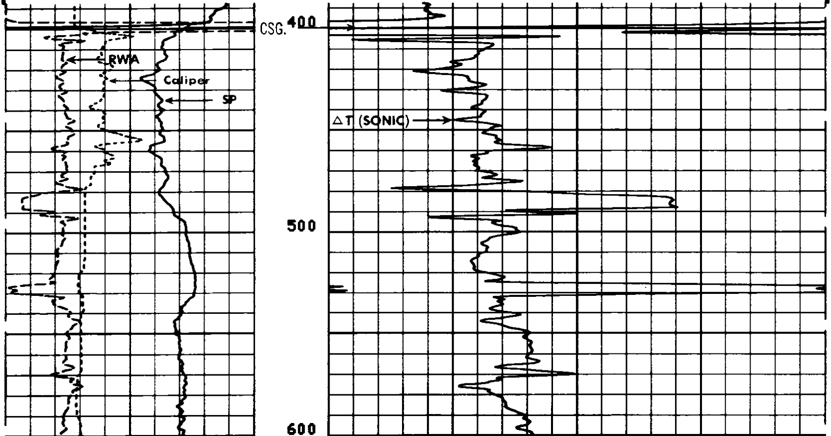
9

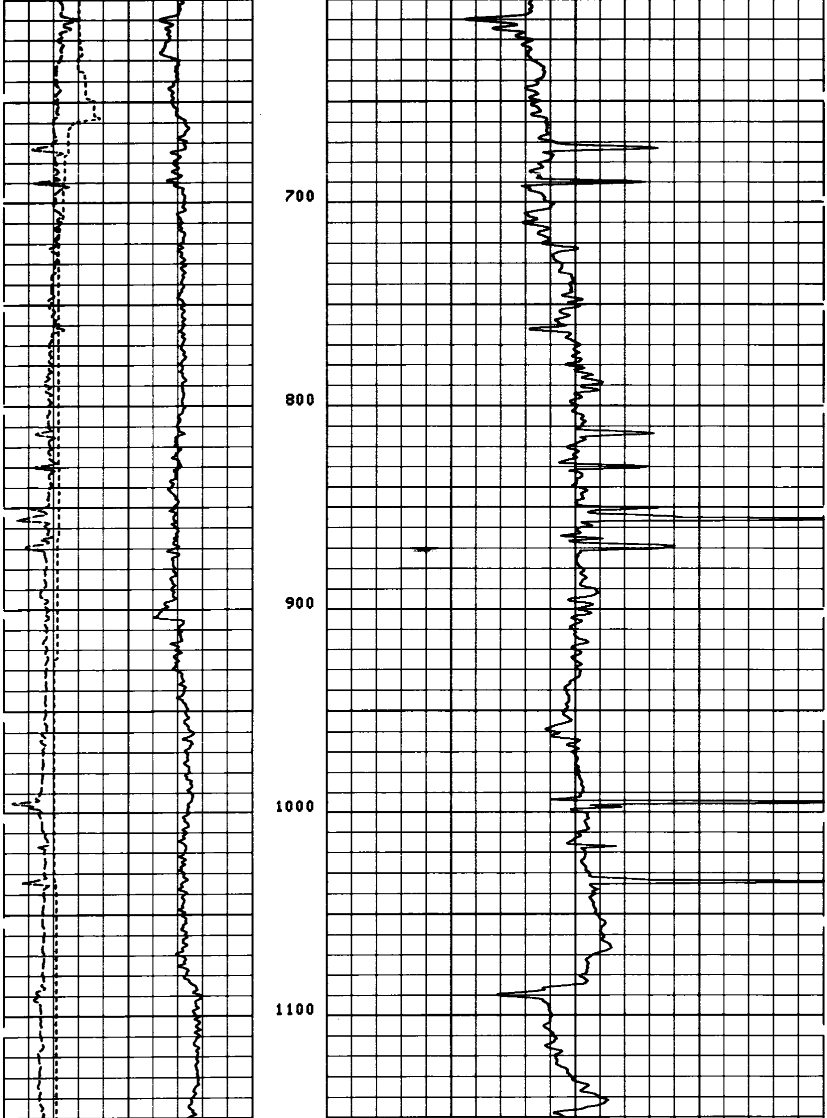
RWA (OHMM)
0.0 3.000
CALI(IN)
4.000 14.00
SP (MV)
-110.0 -10.00

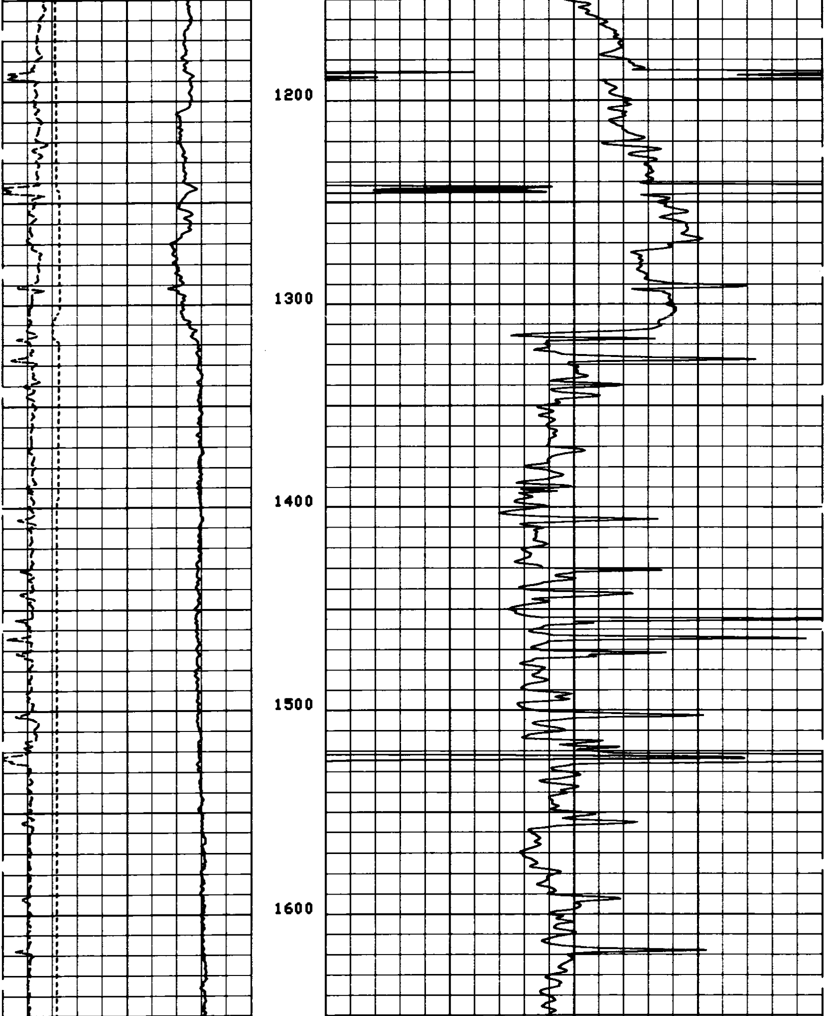
DT (US/F)
175.0 75.00

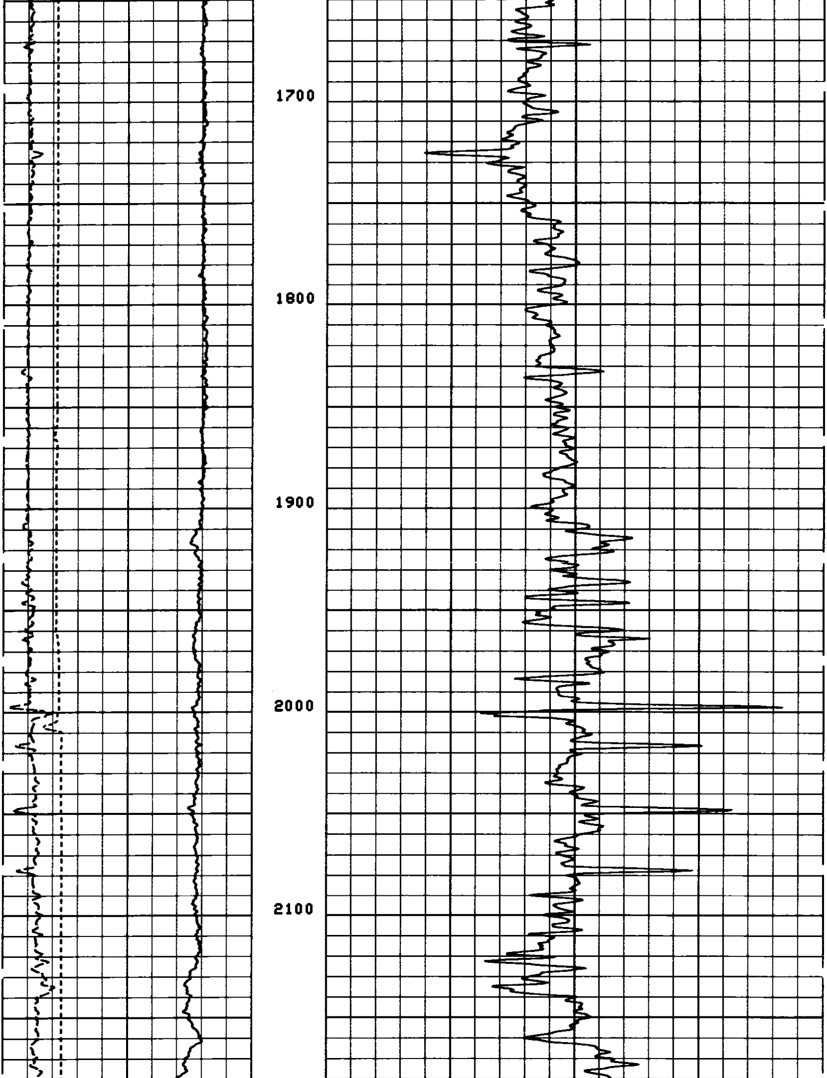
FILE

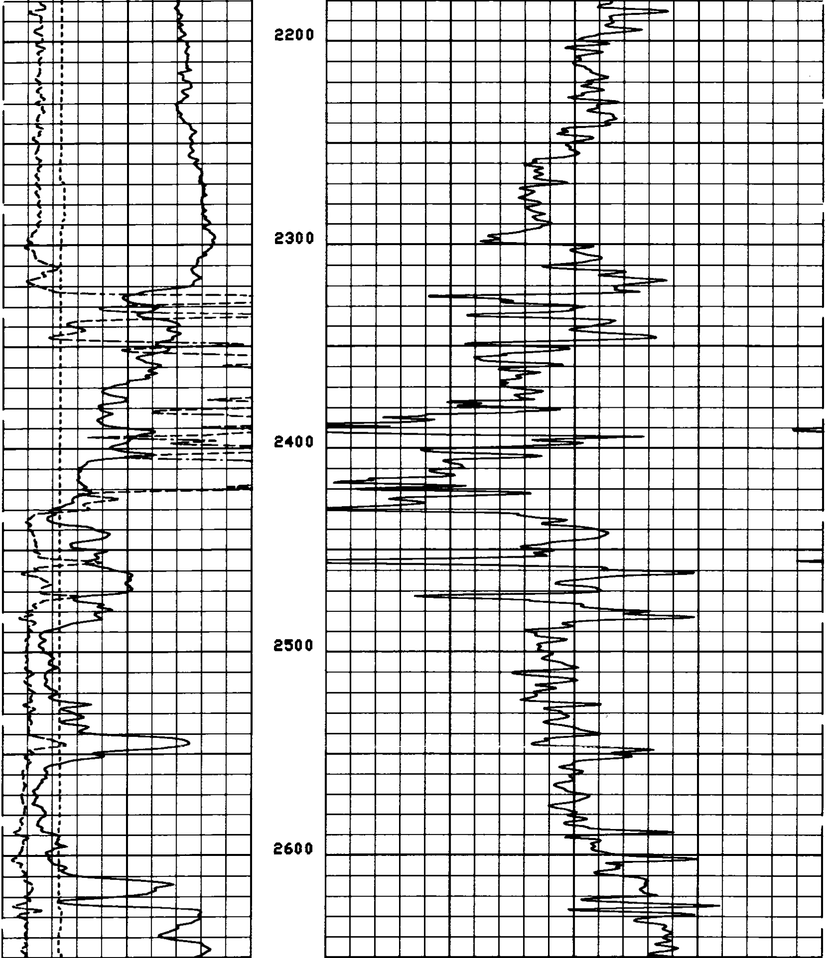
9

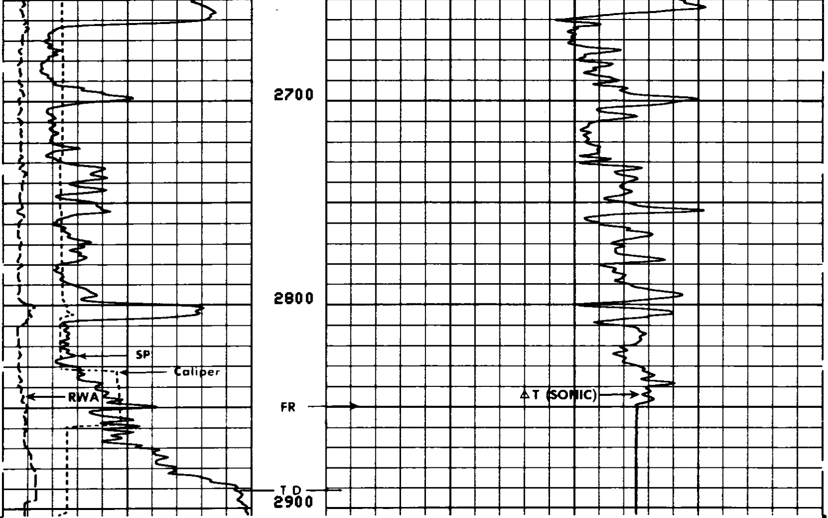












FILE

9

RWA (OHMM)	0.0	3.000
CALI(IN)	4.000	14.00
SP (MV)	-110.0	-10.00
DT (US/F)	175.0	75.00

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

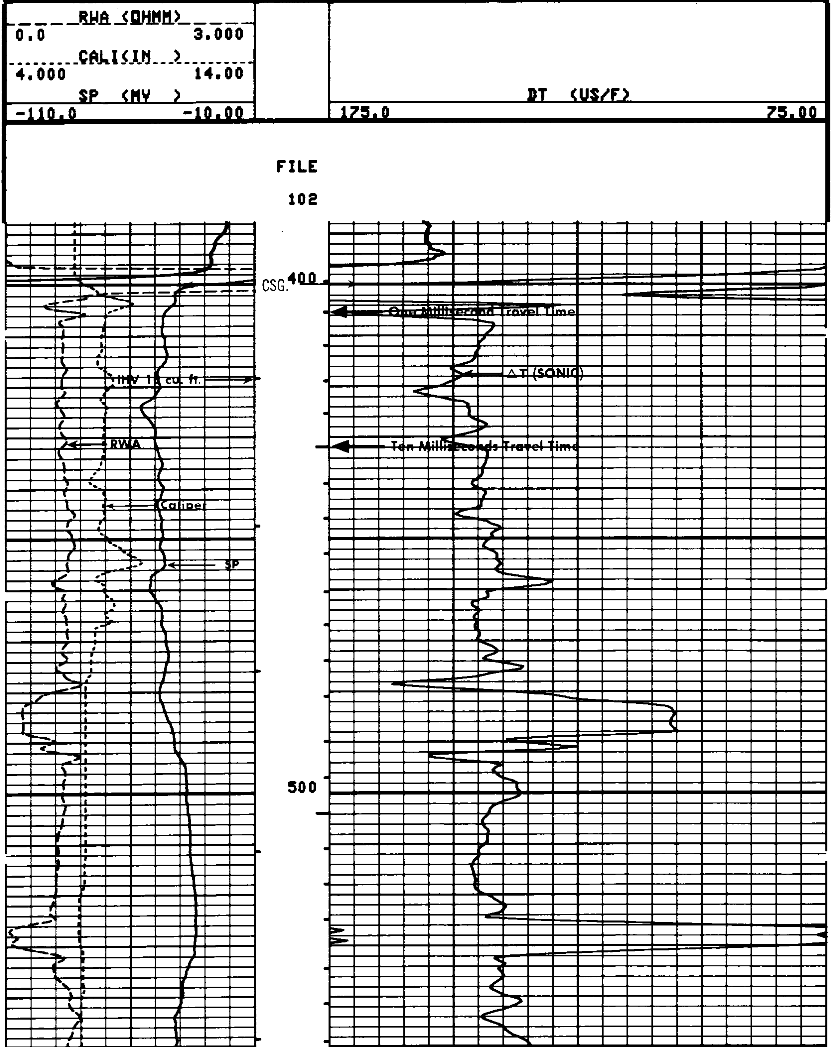
AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

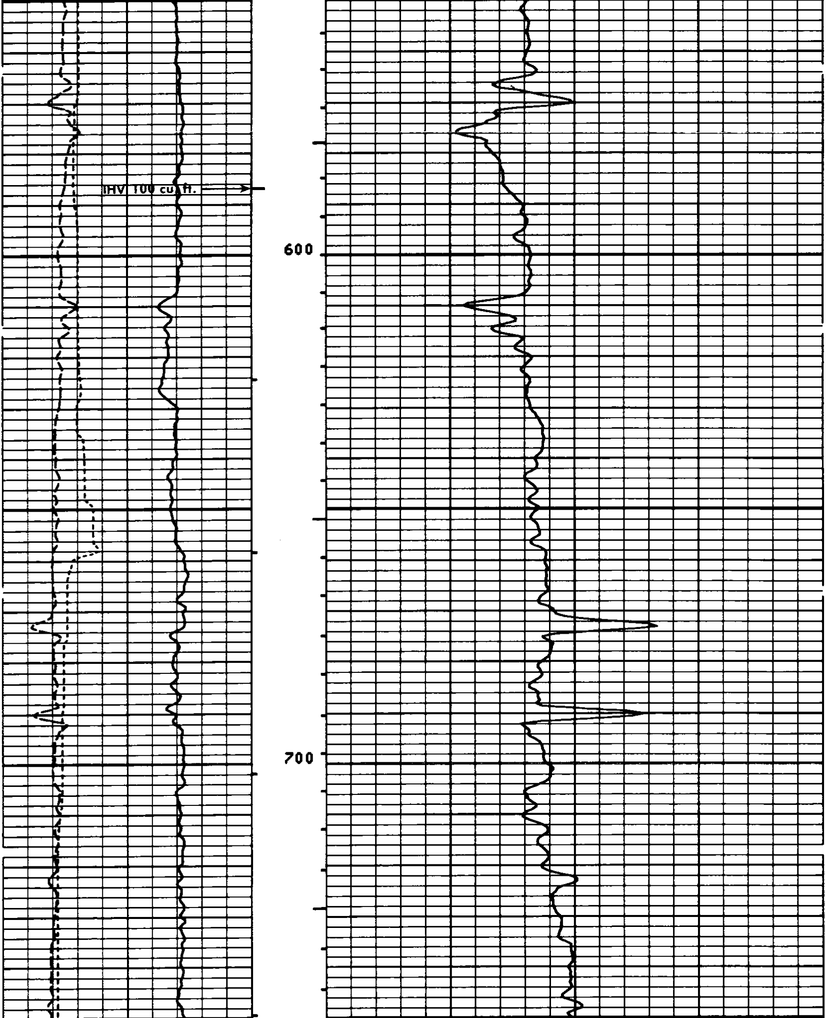
PARAMETERS

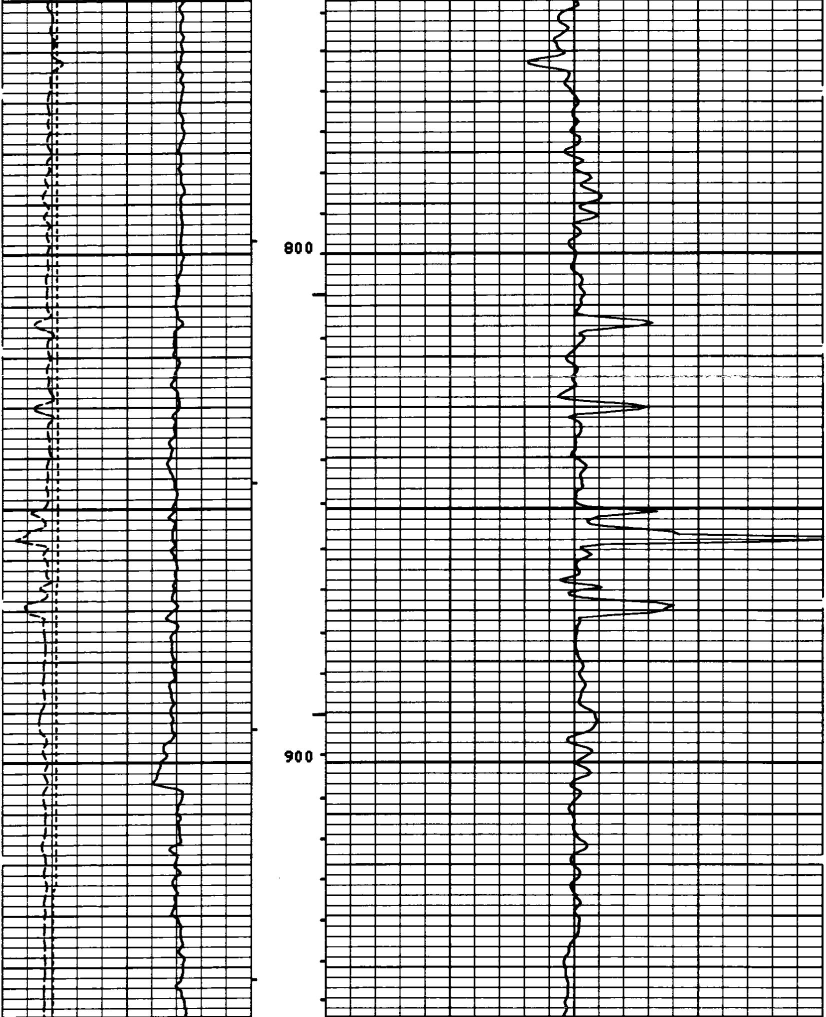
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	145.0		BS	6.250	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	

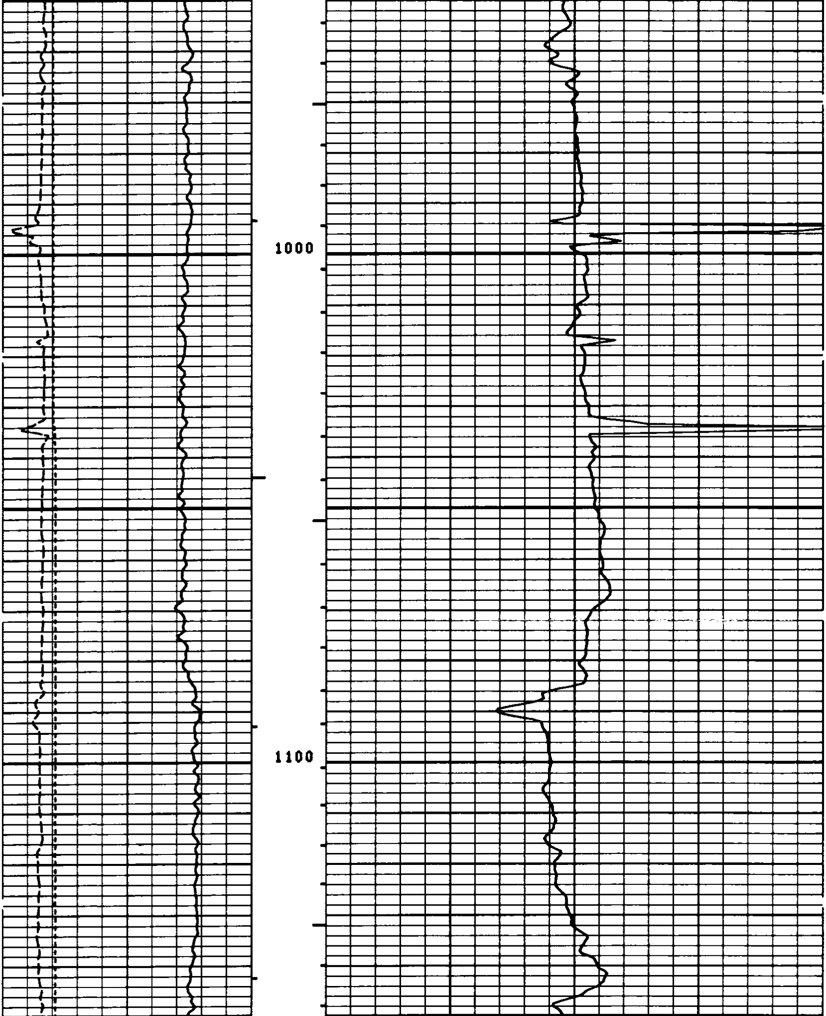
DETAIL LOG

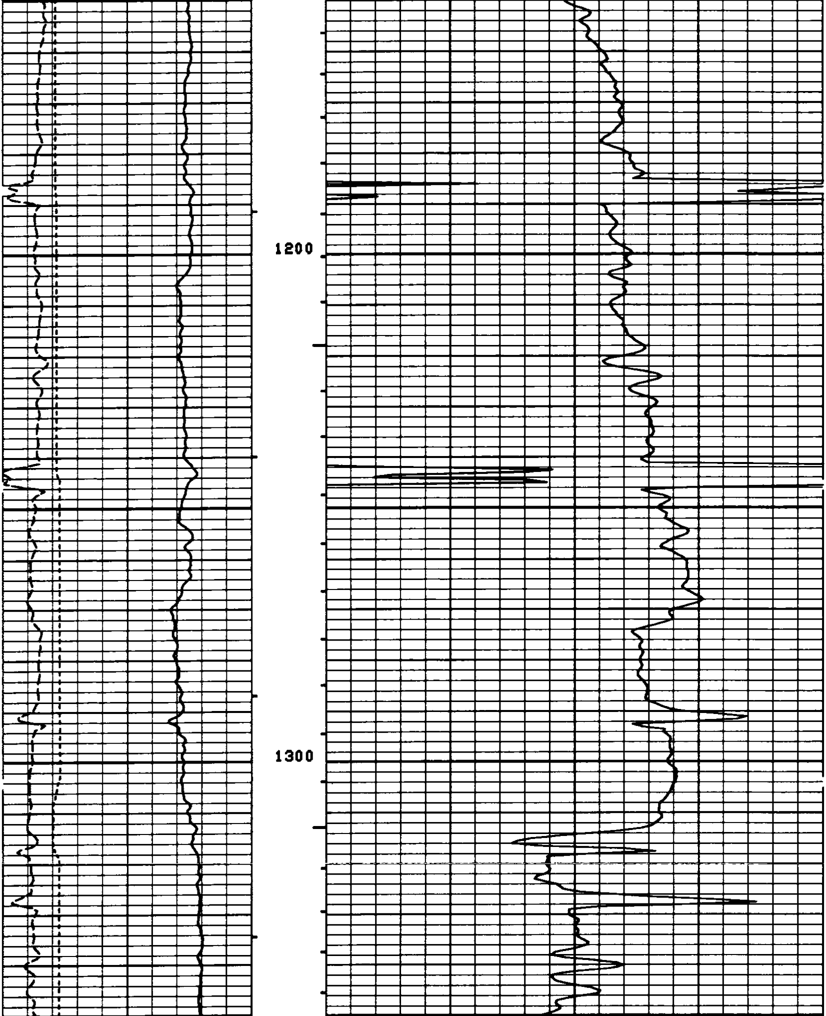
5" = 100'

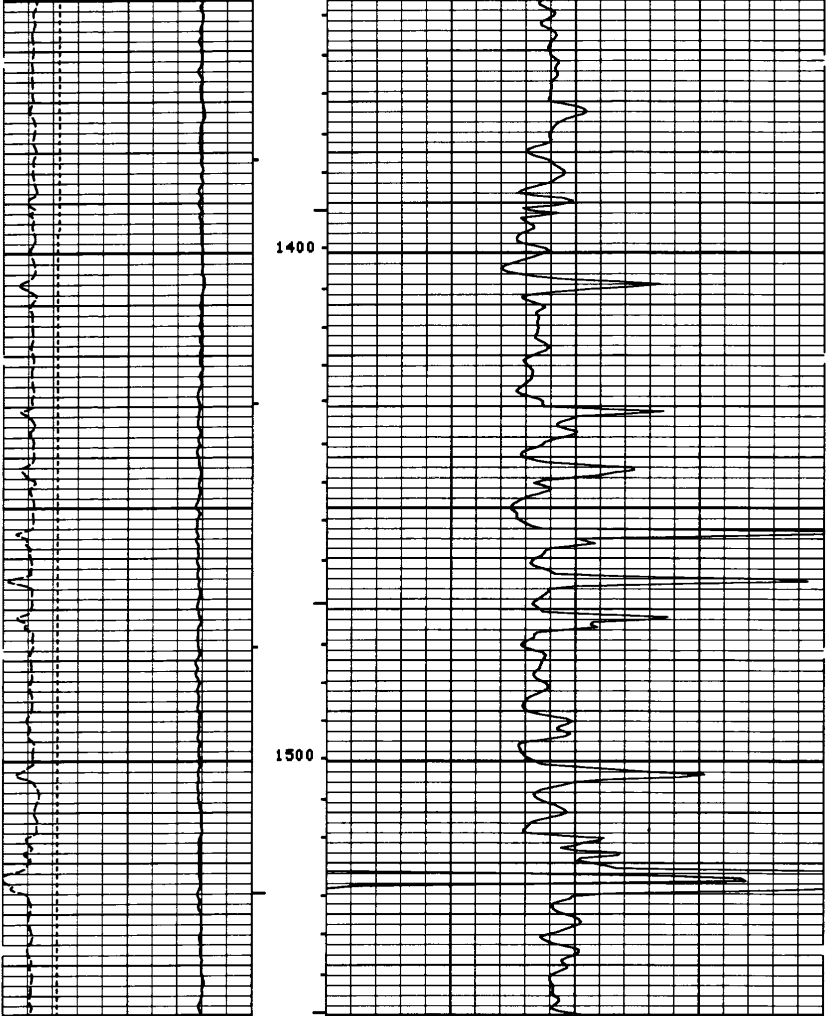


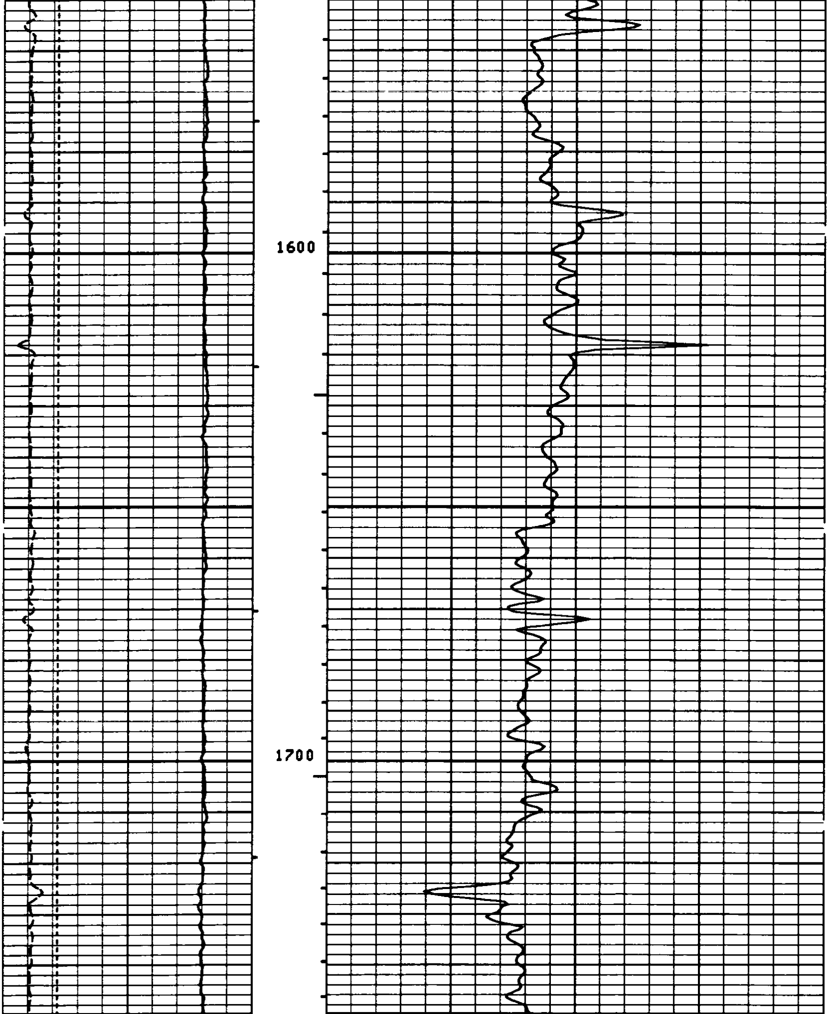


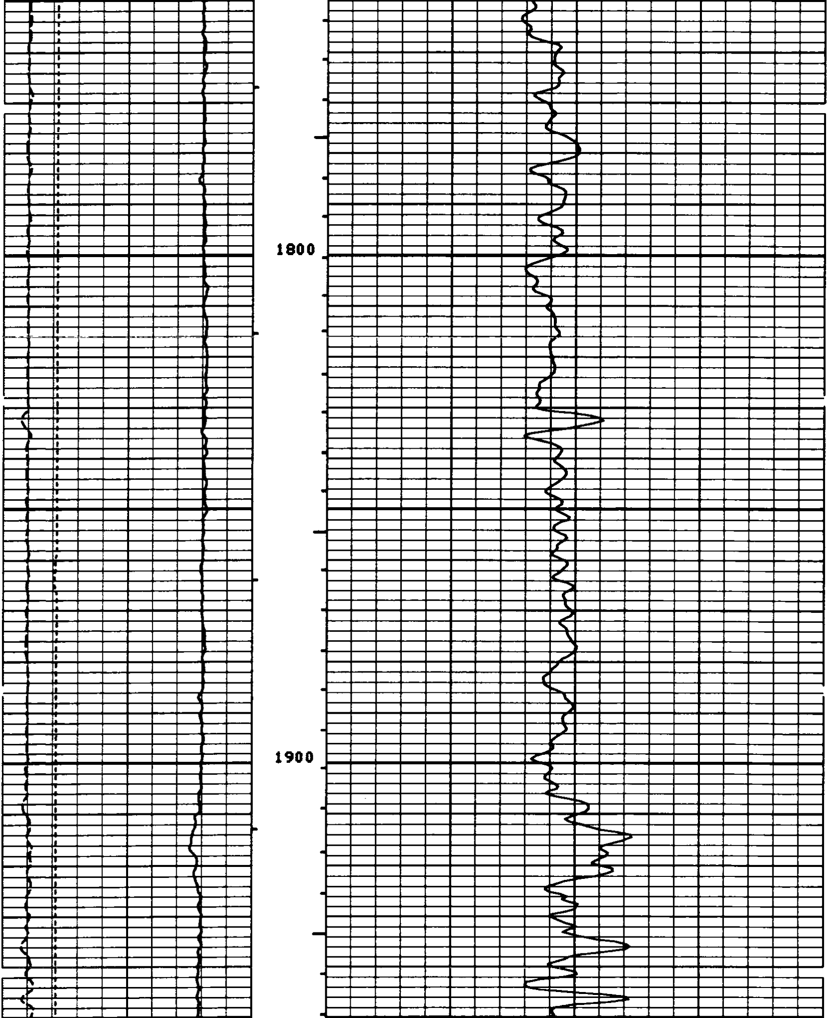


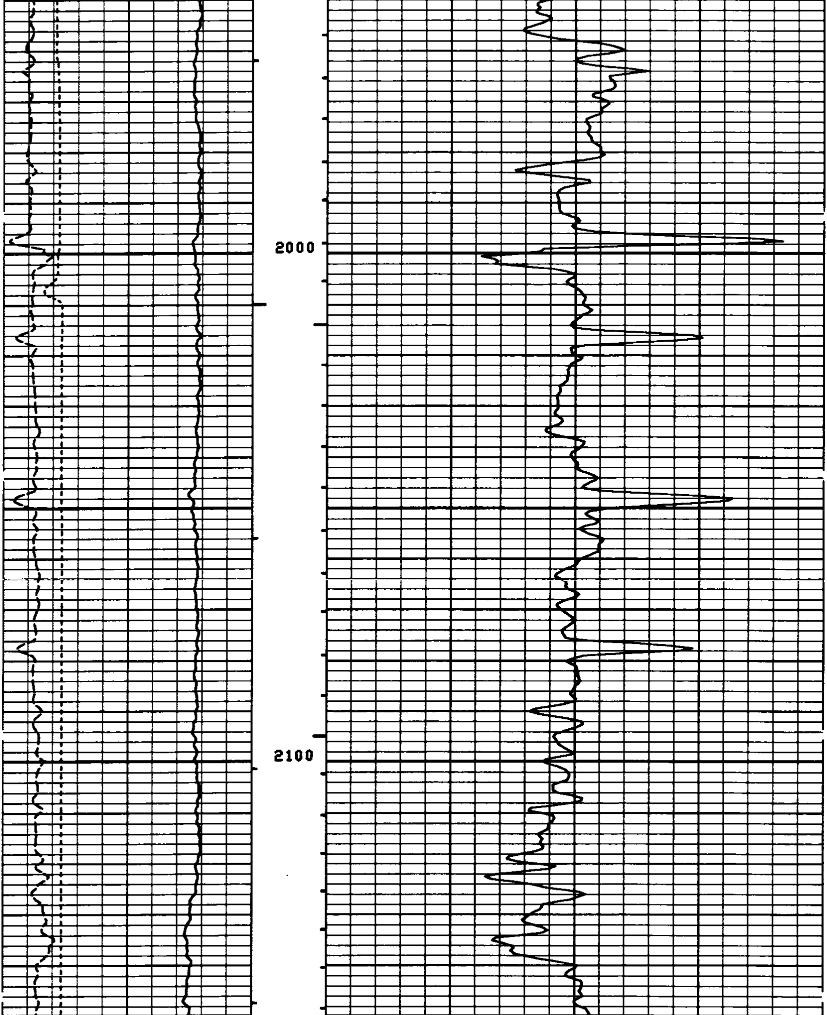


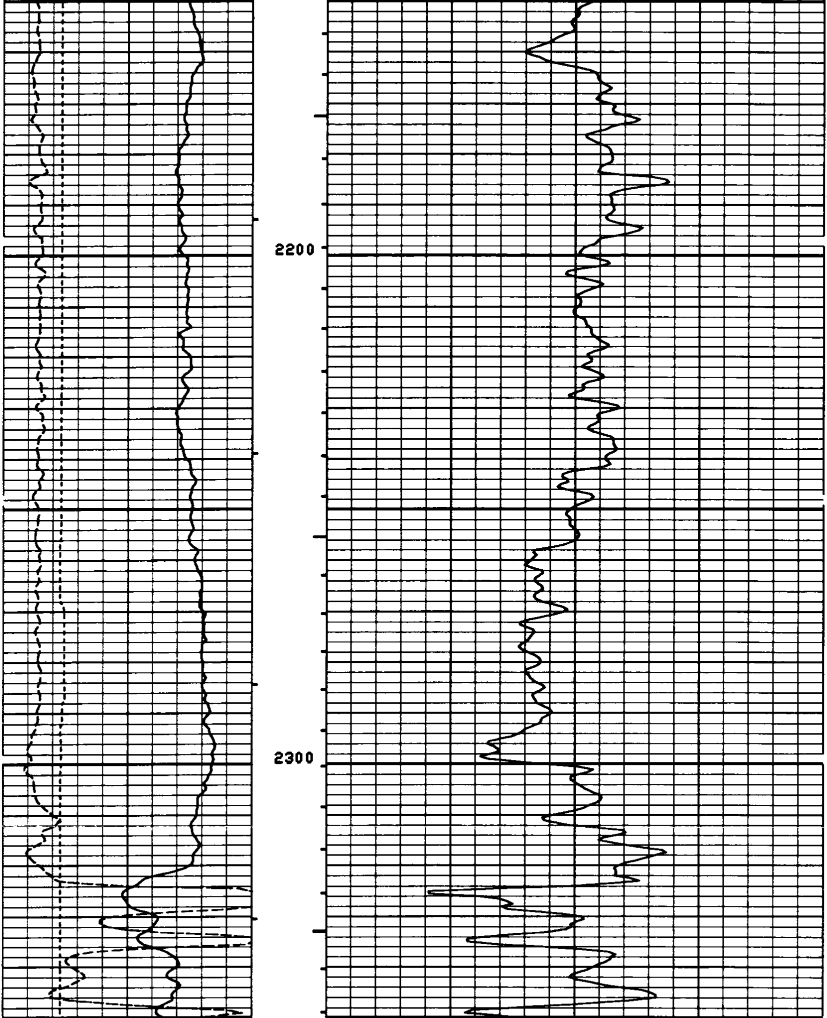


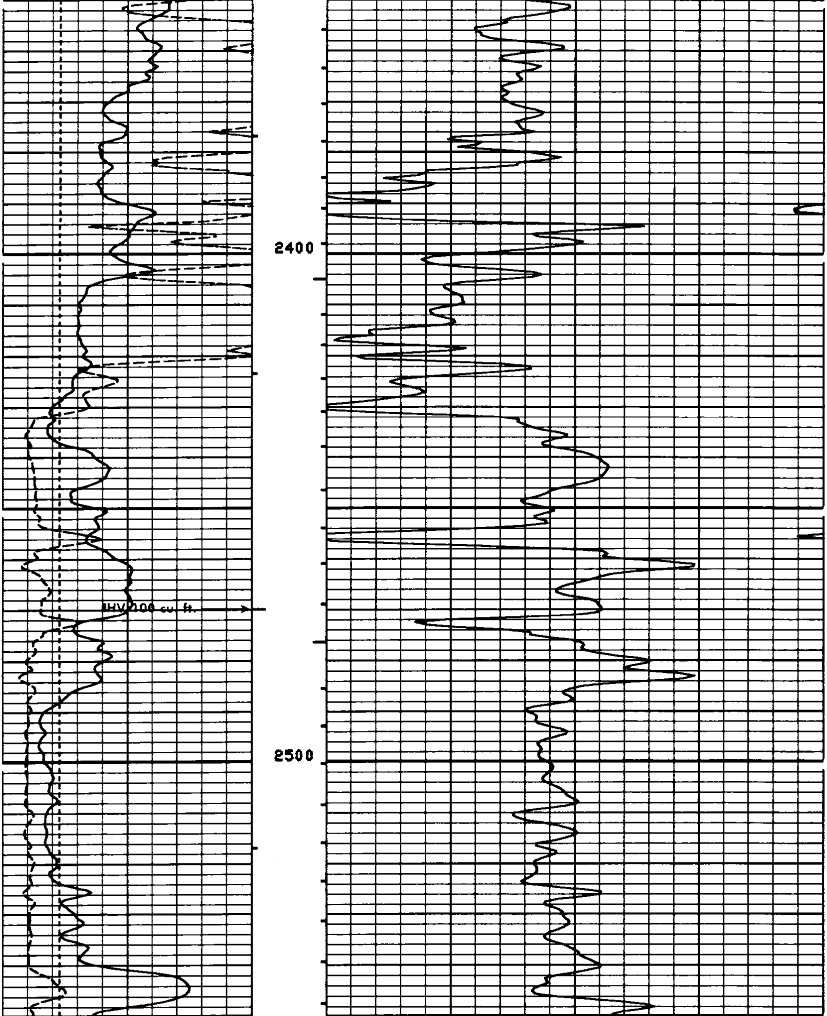


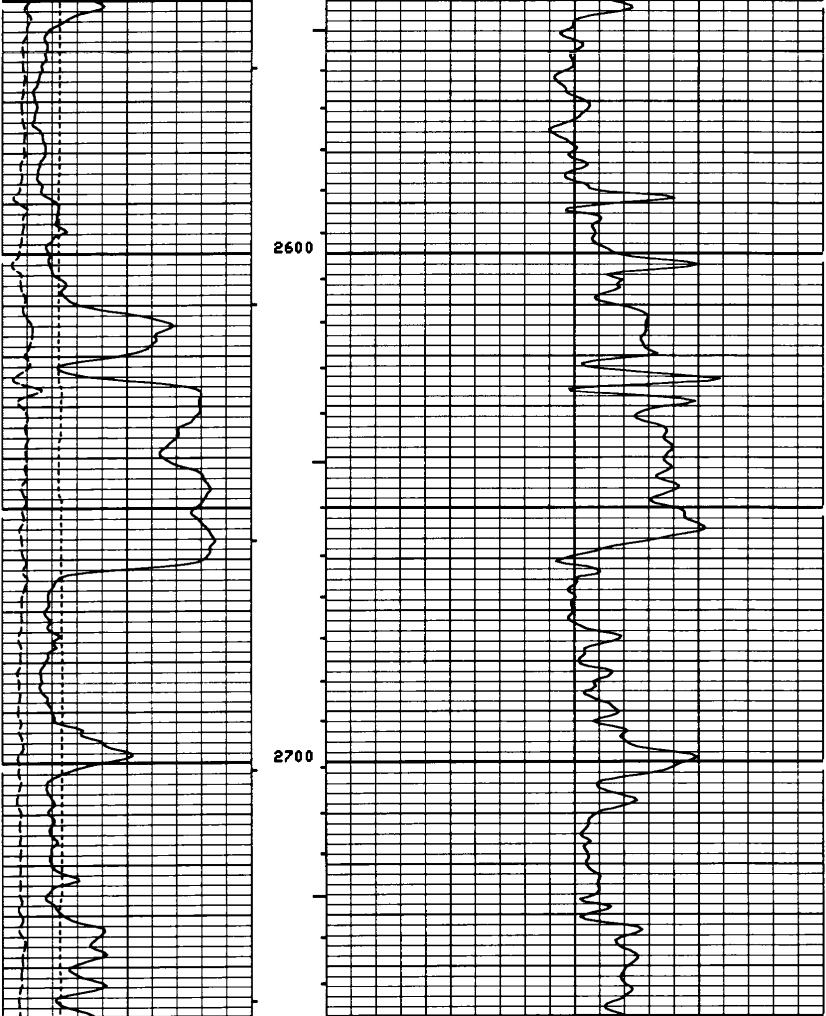


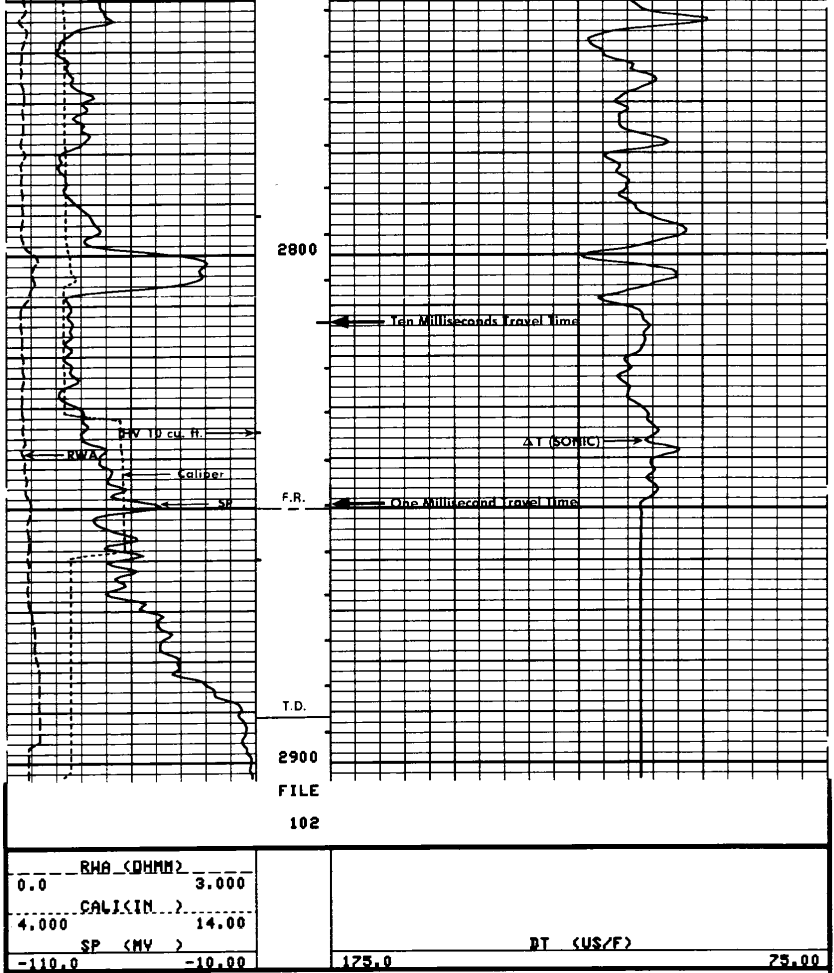












SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

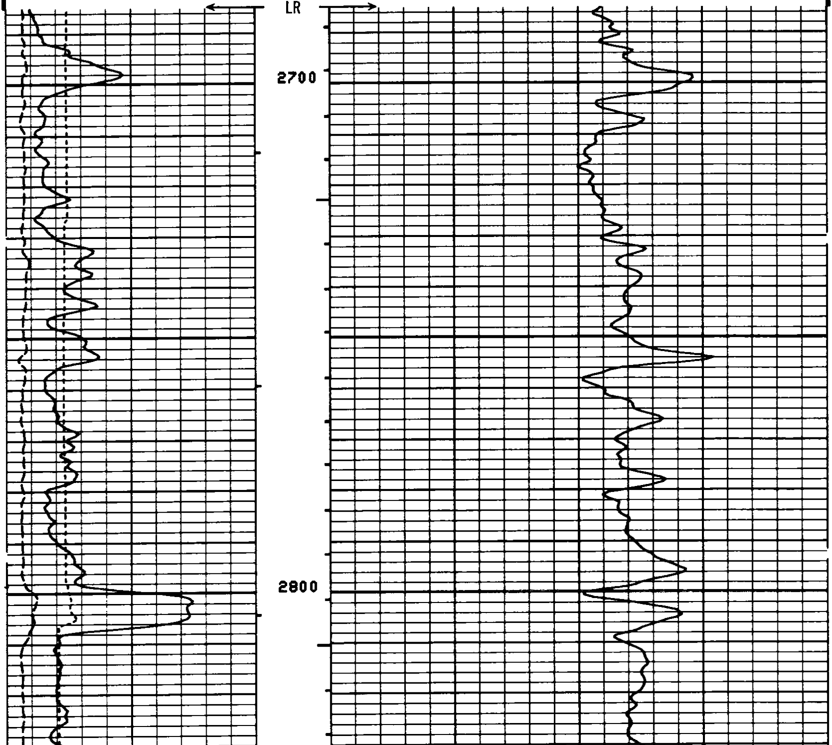
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	145.0		BS	6.250	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	

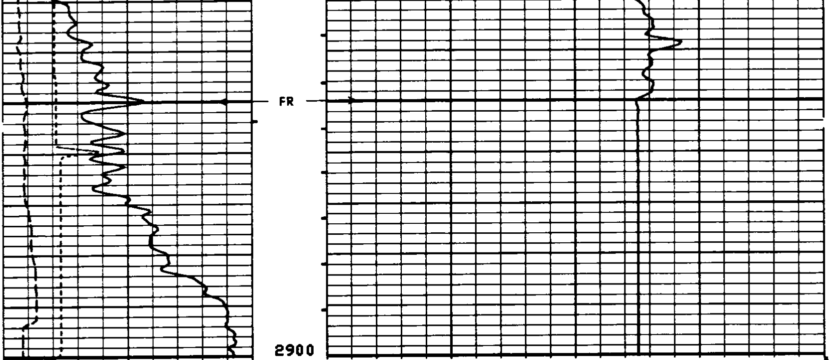
REPEAT SECTION

RWA (OHMM)	0.0	3.000
CALI(IN)	4.000	14.00
SP (MV)	-110.0	-10.00
DT (US/F)	175.0	75.00

FILE

101





FILE

101

RWA (OHMM)
0.0 3.000
CALI(IN)
4.000 14.00
SP (MV)
-110.0 -10.00

DT (US/F)
175.0 75.00

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

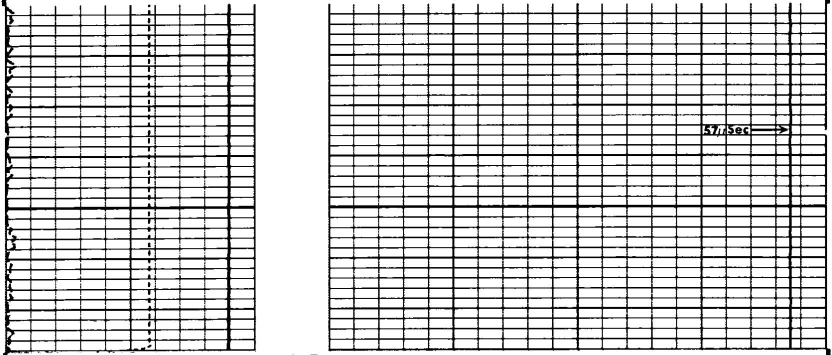
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	145.0		BS	6.250	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	

CASING CHECK

RWA (OHMM)			DT (US/F)	
0.0	3.000			
CALI(IN)				
4.000	14.00			
SP (MV)				
-100.0	0.0		150.0	50.00

FILE

12



FILE

12

RWA (OHMM)			DT (US/F)	
0.0	3.000			
CALI(IN)				
4.000	14.00			
SP (MV)				
-100.0	0.0		150.0	50.00

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	145.0		BS	6.250	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	

MCDB

CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	7.7	11.6	8.0	12.0	IN

FILE

7

COMPANY	REICHHOLD ENERGY CORPORATION	SCHL. FR	2850.0
WELL	COLUMBIA COUNTY #4 [illegible]	SCHL. TD	2891.0
		DRLR. TD	2896.0
FIELD	MIST	Elev: KB	765.0
		DF	N/A
COUNTY	COLUMBIA STATE OREGON	GL	753.6