CC 32-33-75 & RD 1

Schlumberger

BOREHOLE COMPENSATED SONIC 2"--5"

CSU

COMPANY: REICHHOLD ENERGY CORP.

WELL: COLUMBIA COUNTY 32-33 REDRILL #1

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON

LOCATION: 244.5' NORTH & 6.77' WEST
OF THE CENTER OF
SEC: 33 TWP: 7N RGE: 5W, WB&M

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 1092.8 '
LOG MEASURED FROM: KB
11.4 ' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 1104.2 '
DF:
GL: 1092.8 '

DATE: 11 AUG 82
RUN NO: 1

OTHER SERVICES-
DIL
HDT

PROGRAM
TAPE NO:
22.2
SERVICE
ORDER NO:
304031

DEPTH-DRILLER: 3030.0 '
DEPTH-LOGGER: 3030.0 '
BTM. LOG INTERVAL: 2991.0 '
TOP LOG INTERVAL: 481.0 '

CASING-DRILLER: 480 '
CASING-LOGGER: 481 '
CASING: 7"

BIT SIZE: 6.25

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 10.3 LB/G
VISCOSITY: 55.0 S
PH: 9.0
FLUID LOSS: 4.4 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 1.870 OHMM AT 70.0 DEGF
RMF: 1.860 OHMM AT 64.0 DEGF
RMC: 1.660 OHMM AT 63.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 1.384 OHMM AT 97.0 DEGF
RMF AT BHT: 1.269 OHMM AT 97.0 DEGF
RMC AT BHT: 1.117 OHMM AT 97.0 DEGF

TIME CIRC. STOPPED: 1000 8/11
TIME LOGGER ON BTM.: 1220 8/11

MAX. REC. TEMP: 97.0 DEGF

LOGGING UNIT NO:	8076
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	COLLINS
WITNESSED BY:	WILLIAMS

REMARKS:

EQUIPMENT NUMBERS-

SLS 269	SLC 1261	MCD 1186	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

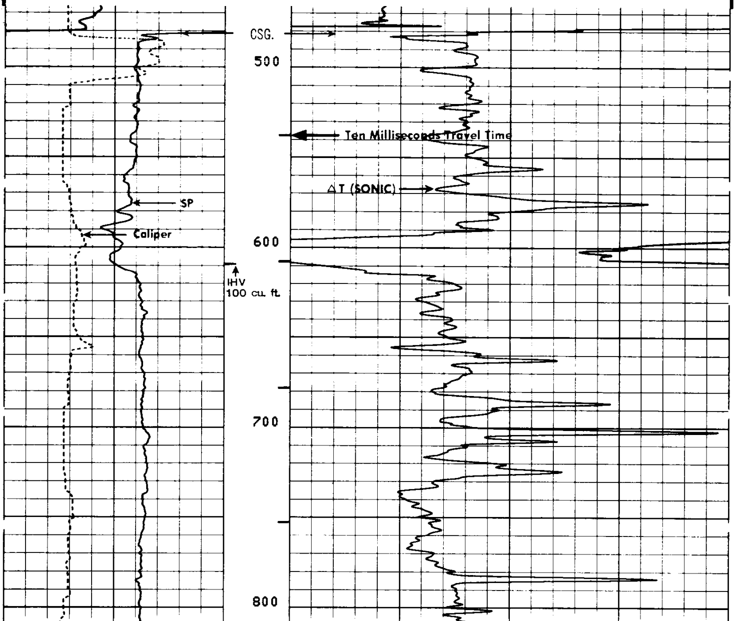
3

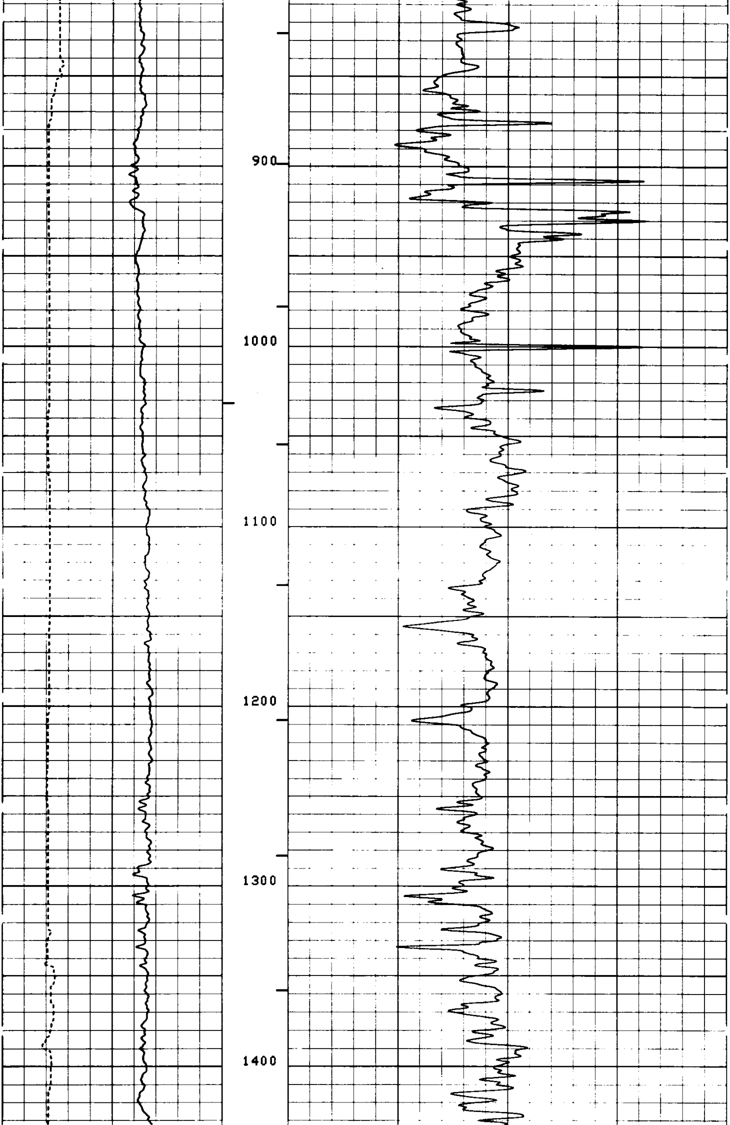
CALI (IN)
4.0000 14.000
SP (MV)
-100.0 0.0

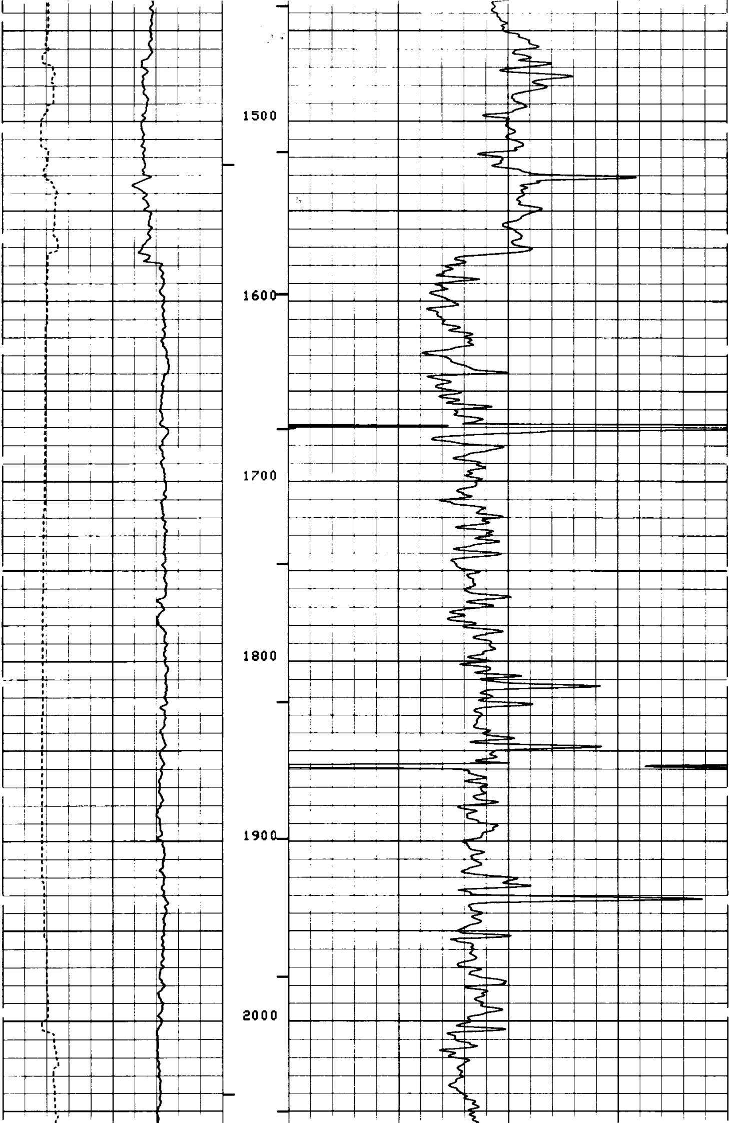
DT (US/F)
175.00 75.000

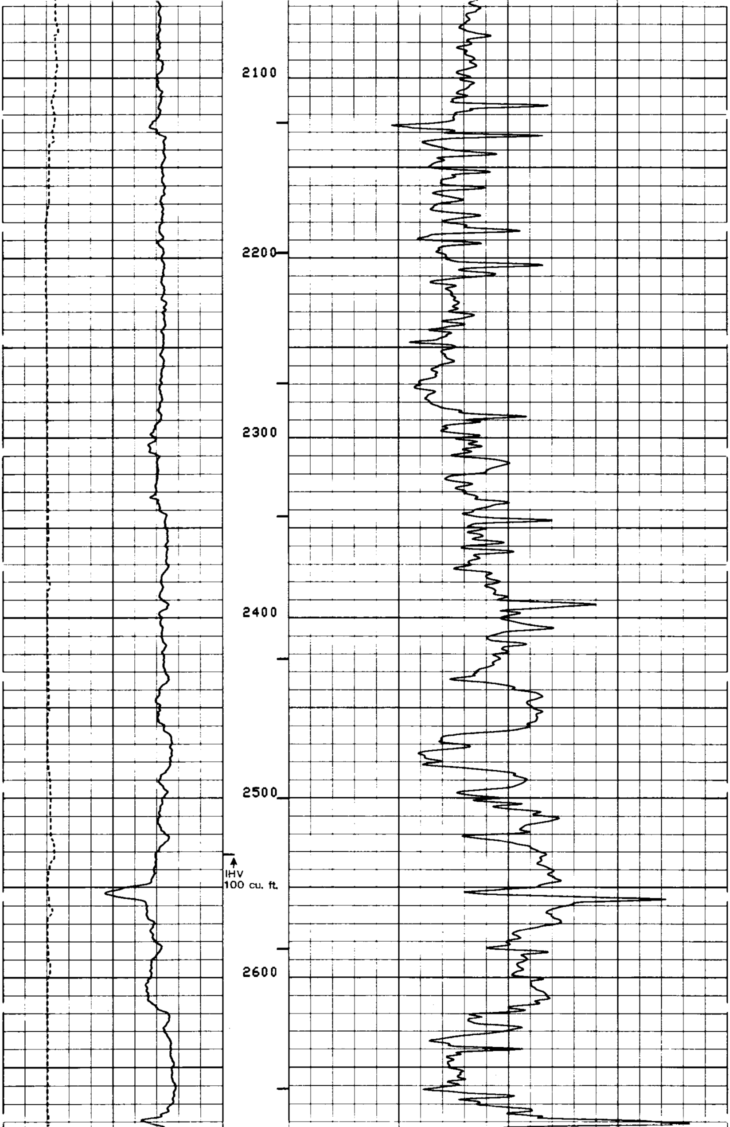
FILE

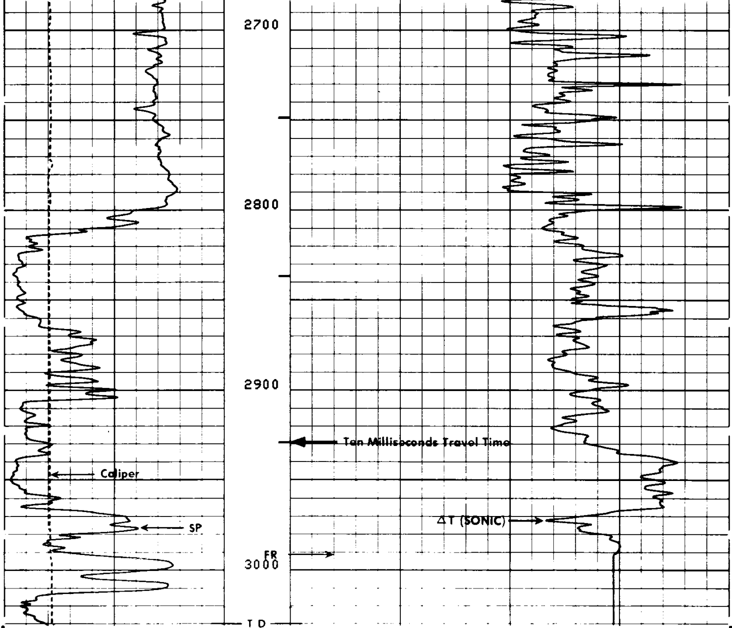
3











FILE

3

CALI (IN)			
4.0000	14.000		
SP (MV)		DT (US/F)	
-100.0	0.0	175.00	75.000

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	100.000		BS	6.25000	IN
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	10.2000	MMHO
FPHI	SPHI		MSEC	8.70000	MMHO
DO	0.0	F	BHS	OPEN	

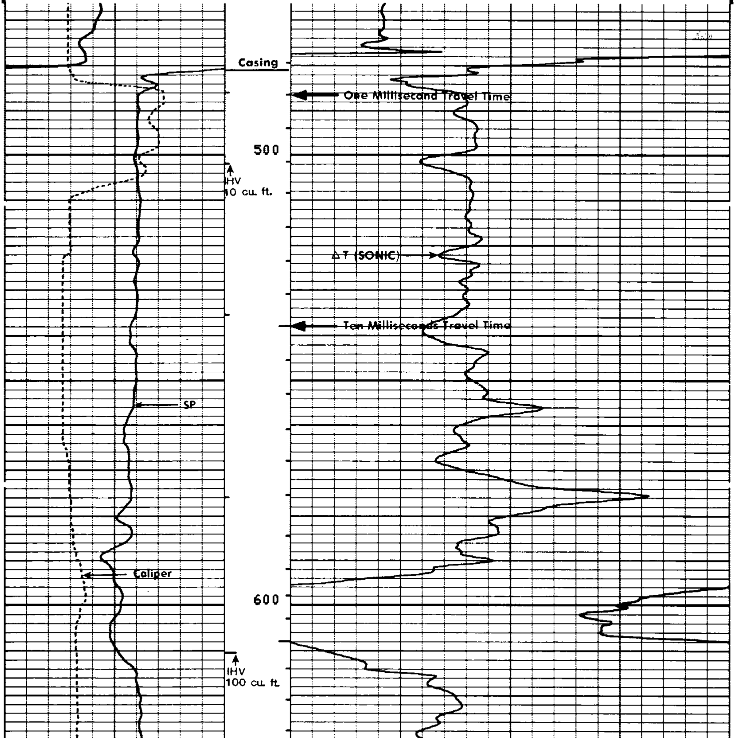
DETAIL LOG

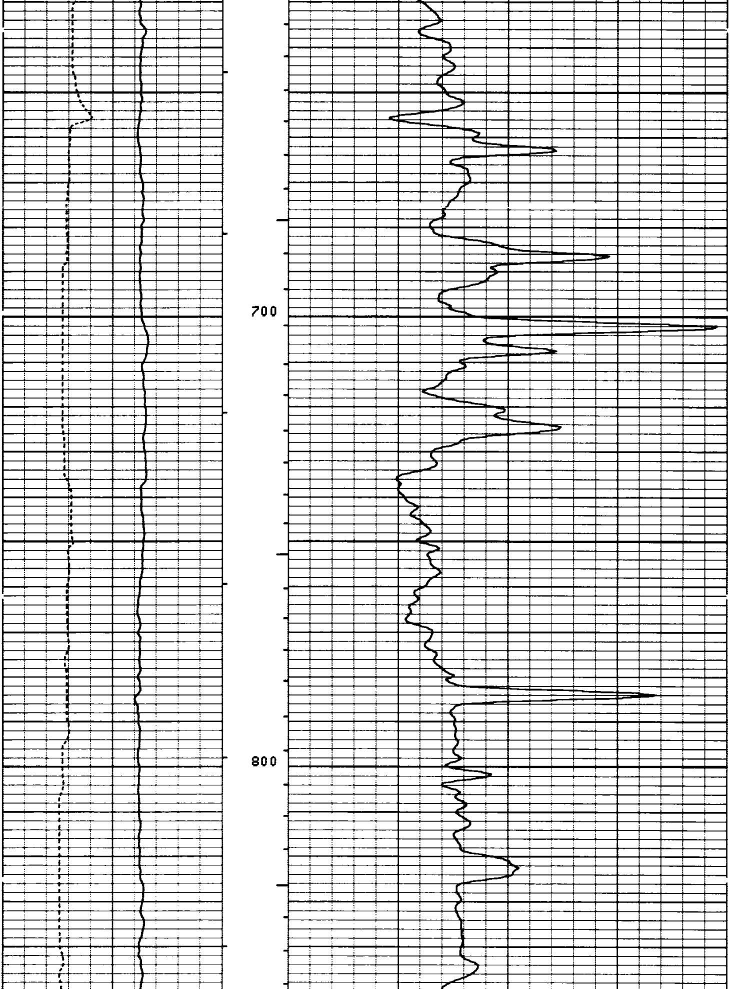
5" = 100'

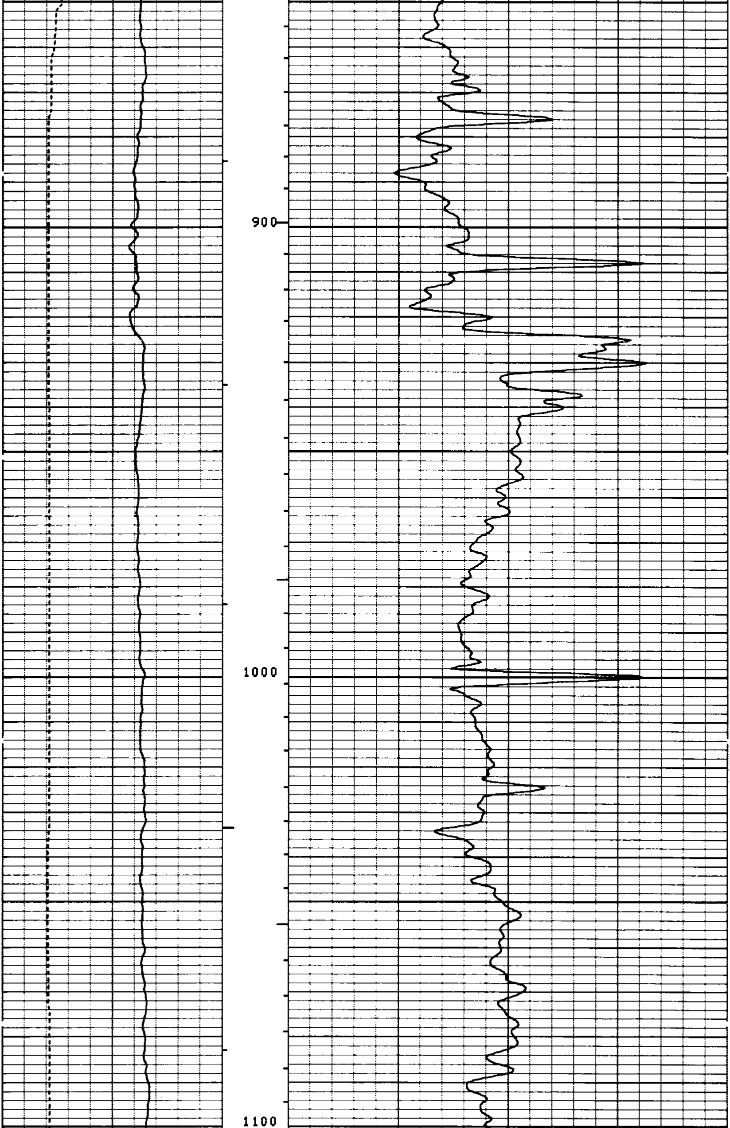
CALI(IN)
4.0000 14.000
SP (MV)
-100.0 0.0

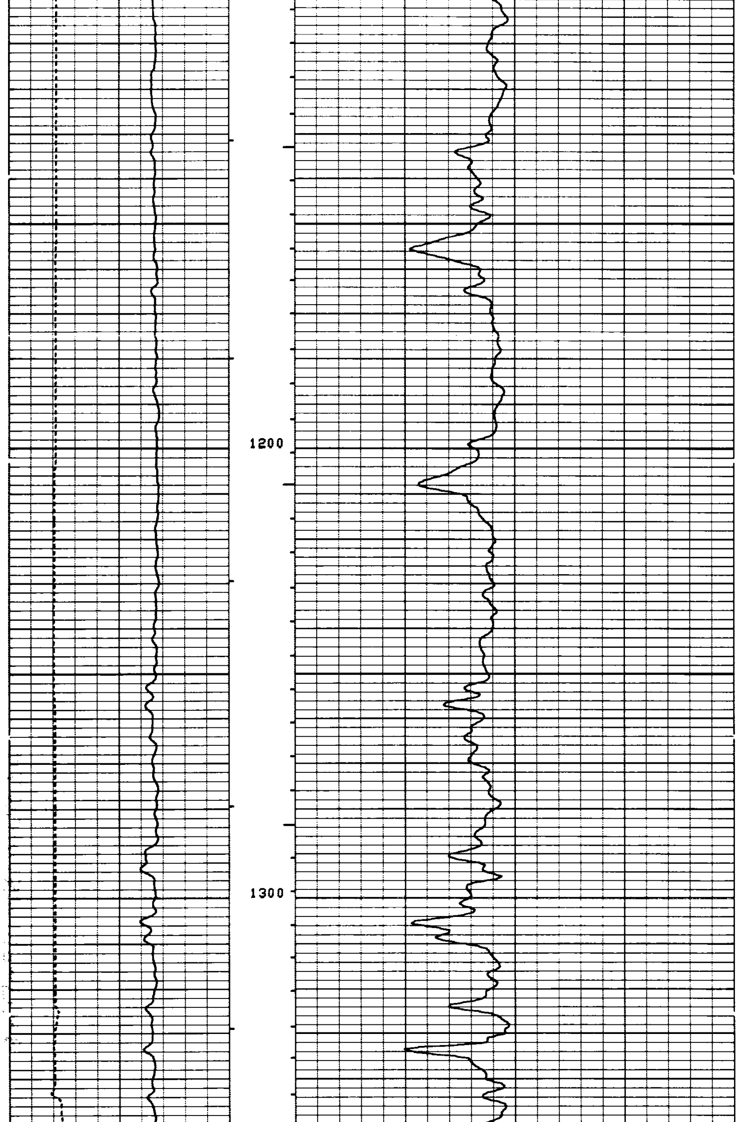
DT (US/F)
175.00 75.000

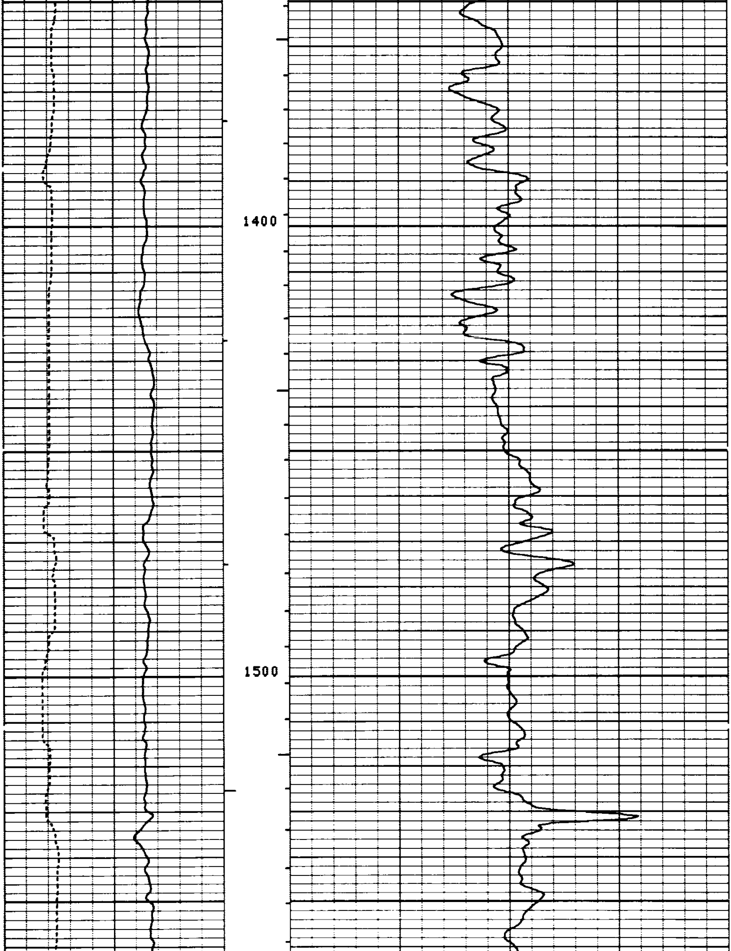
FILE
3

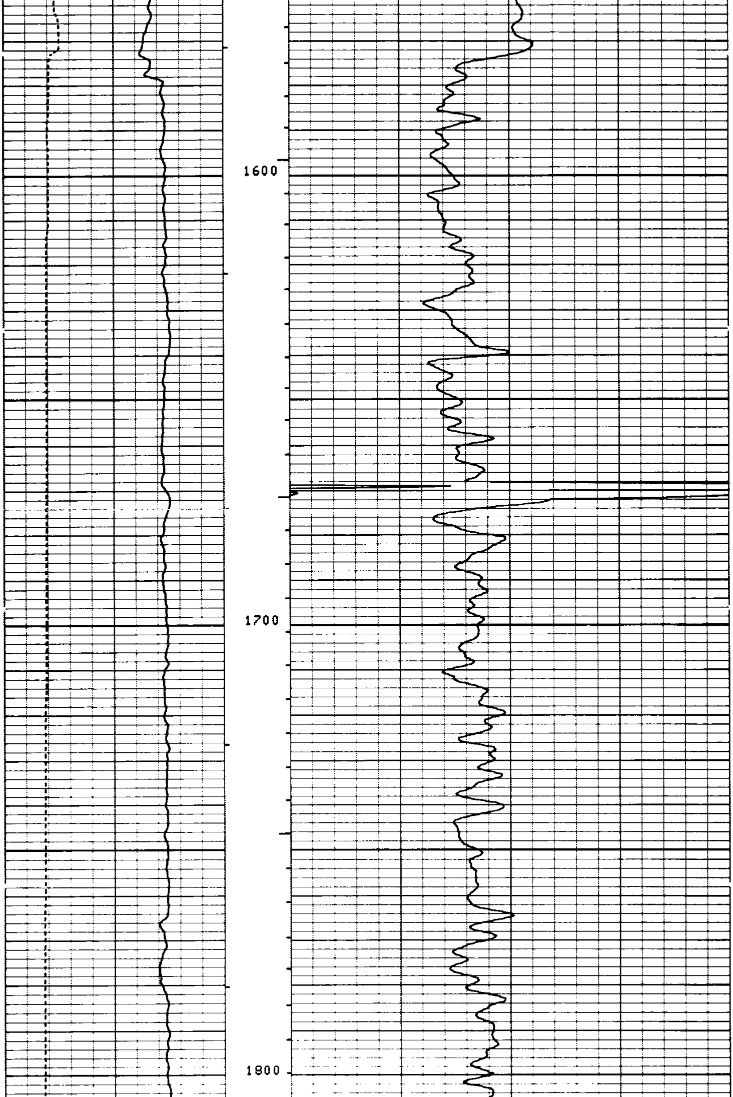


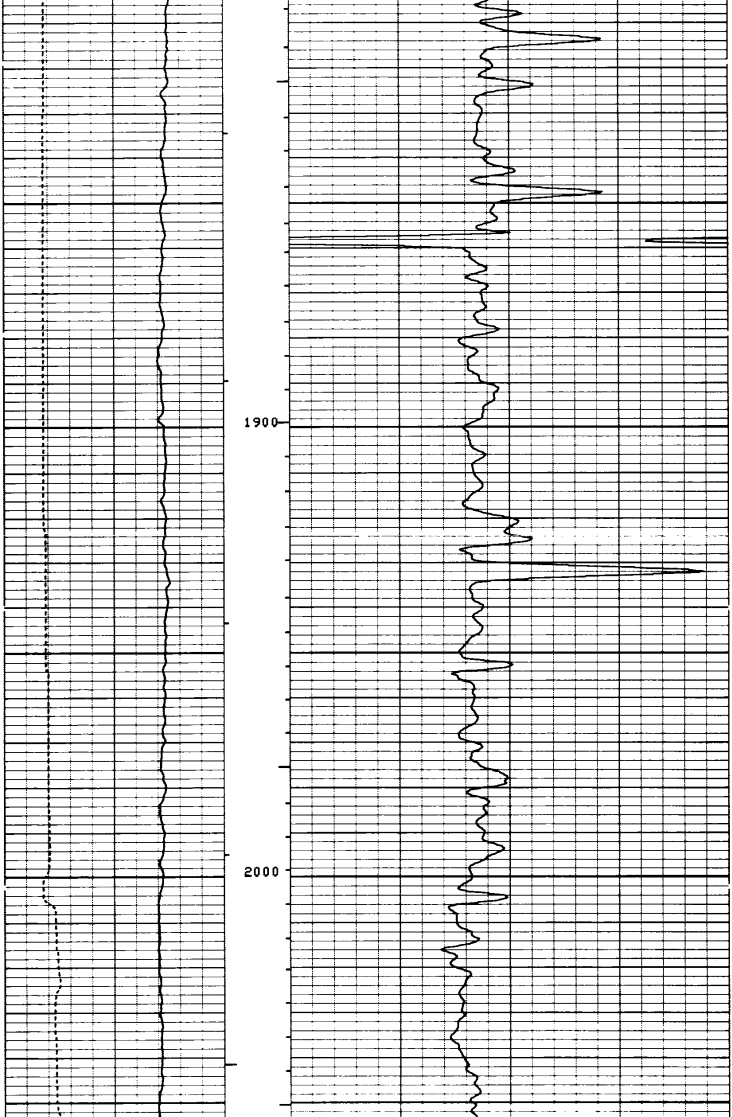


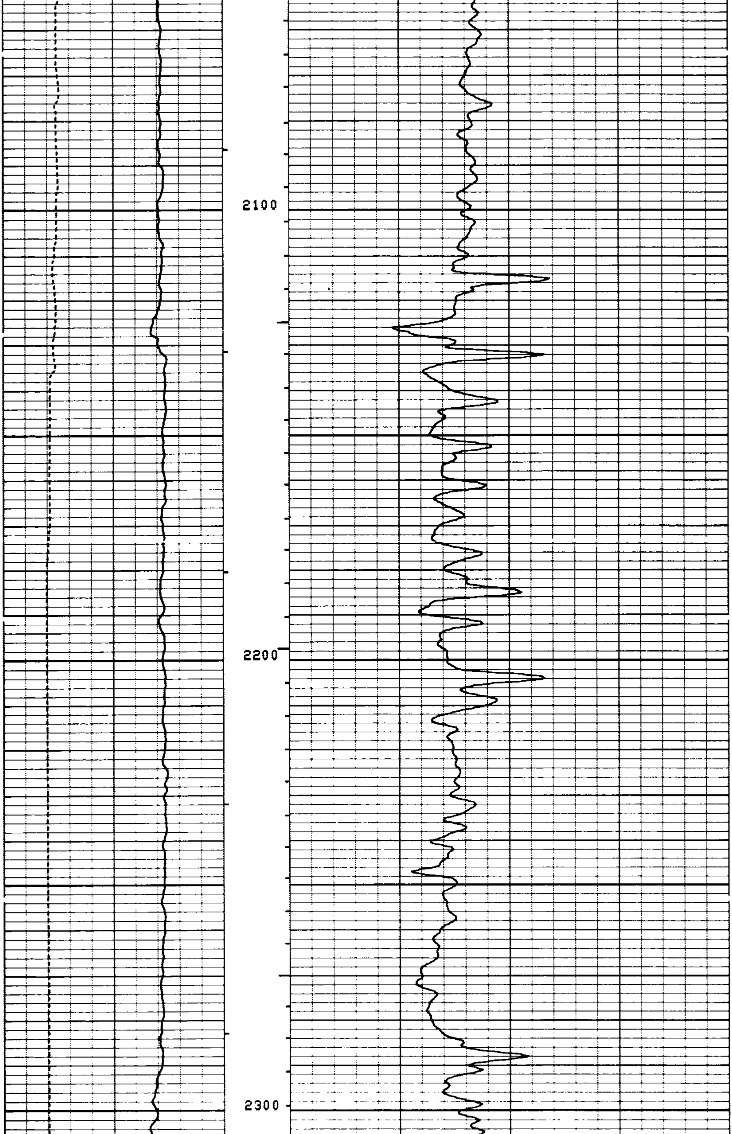


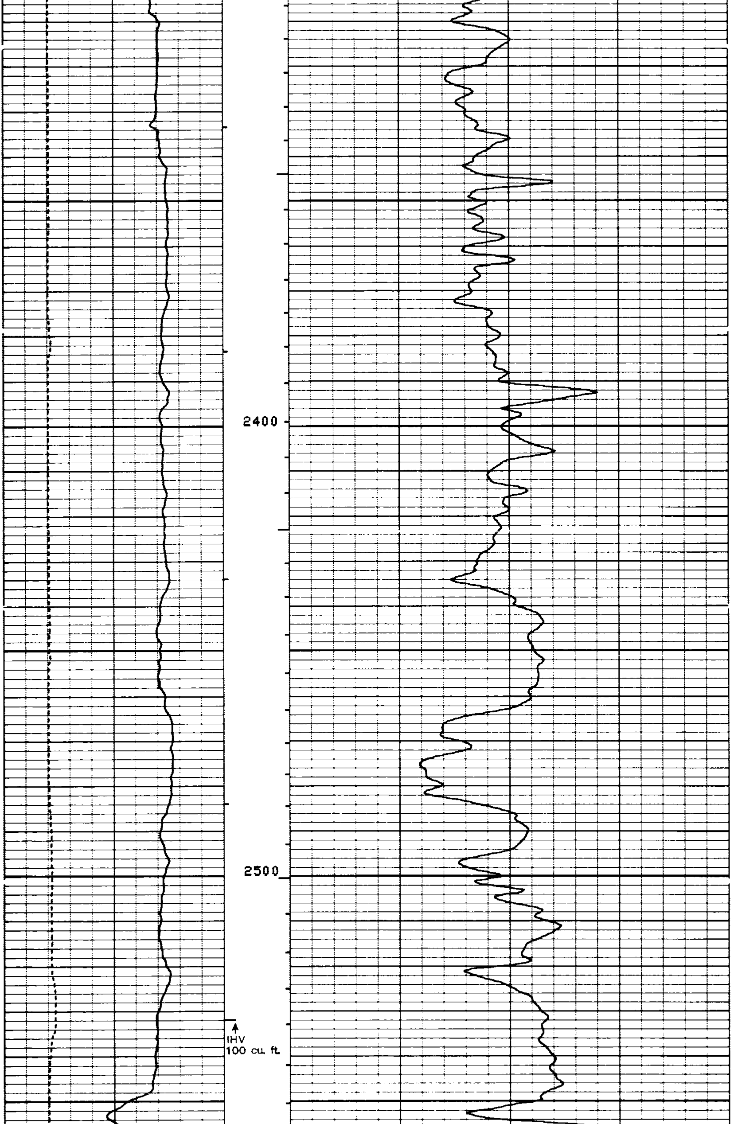


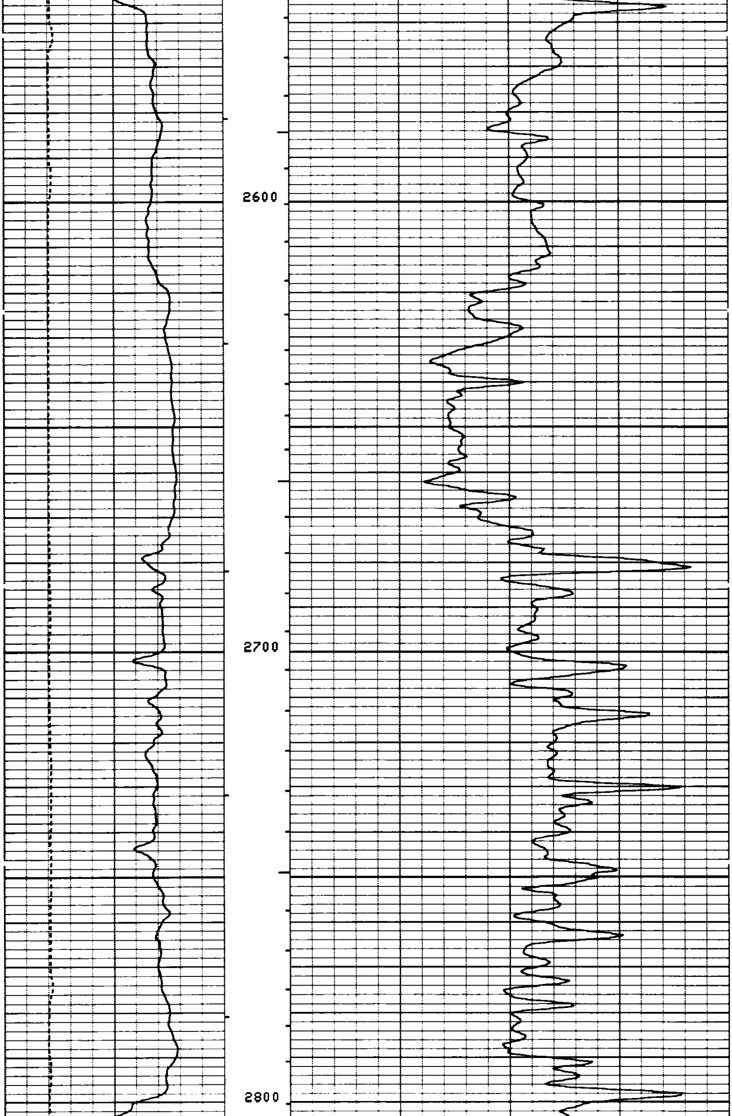


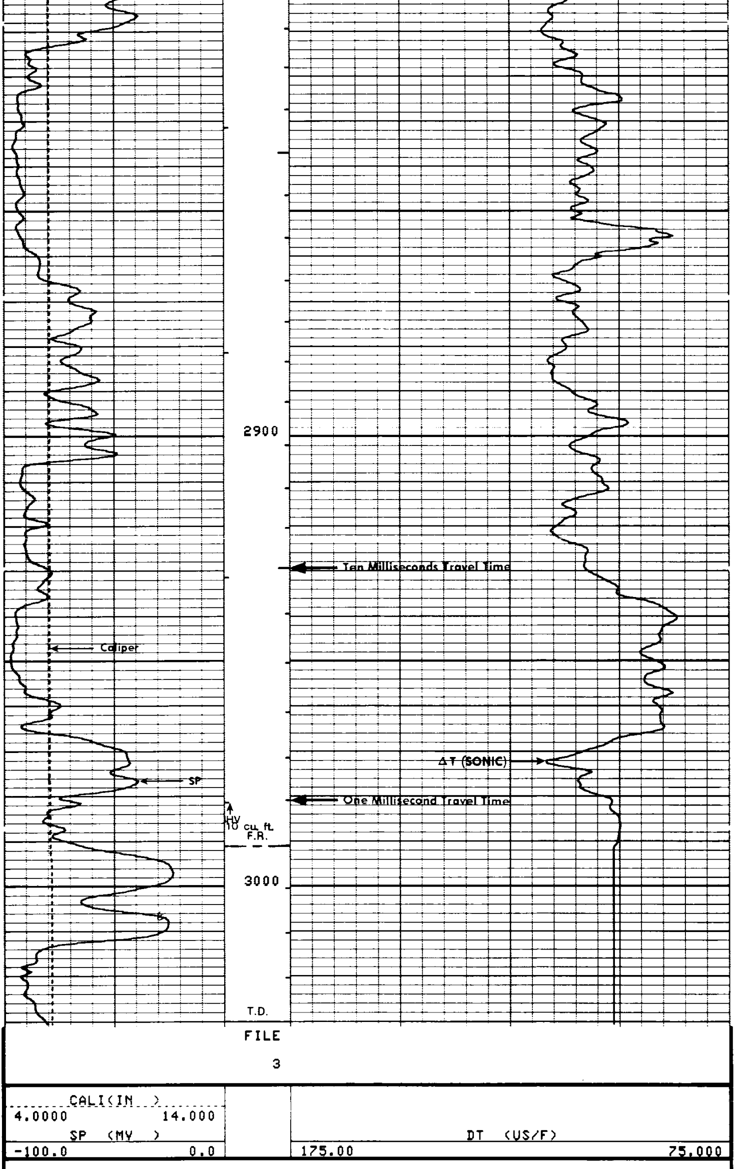












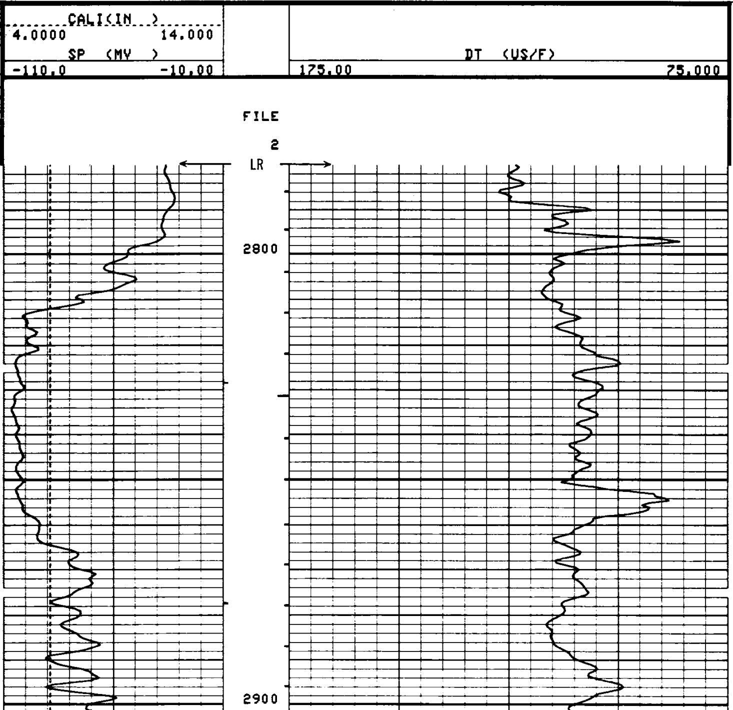
SENSOR MEASURE POINT TO TENSION REFERENCE POINT

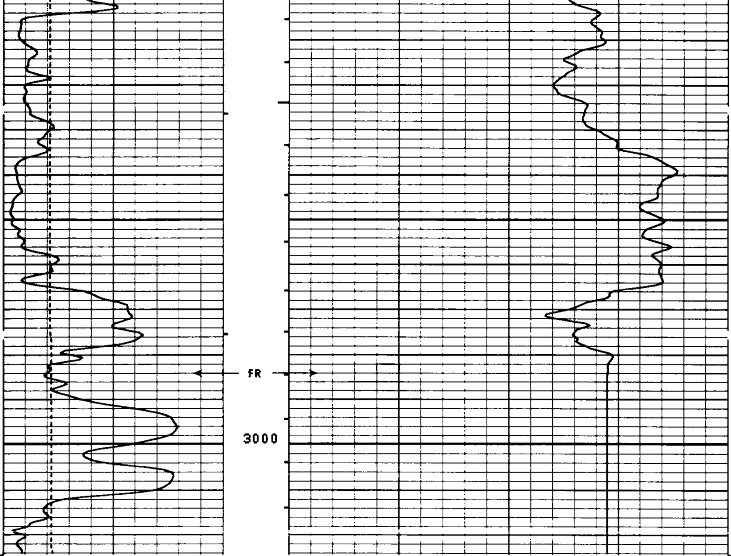
AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.000		BS	6.25000	IN
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	10.2000	MMHO
FPHI	SPHI		MSEC	8.70000	MMHO
DO	0.0	F	BHS	OPEN	

REPEAT SECTION





FILE

2

CALI(IN)
4.0000 14.000
SP (MV)
-110.0 -10.00

DT (US/F)
175.00 75.000

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

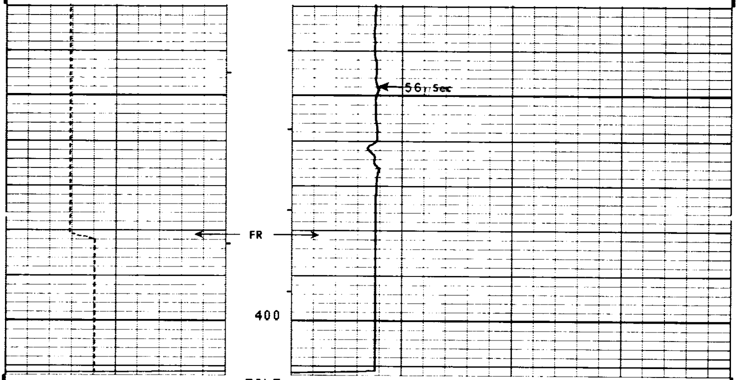
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.000		BS	6.25000	IN
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	10.2000	MMHO
FPHI	SPHI		MSEC	8.70000	MMHO
DO	0.0	F	BHS	OPEN	

Sonic Check in Casing

CALI(IN)		
4.0000 14.000		
SP (MV)		DT (US/F)
-100.0 0.0		175.00 75.000

FILE

0



FILE

0

CALI(IN)		
4.0000 14.000		
SP (MV)		DT (US/F)
-100.0 0.0		175.00 75.000

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	100.000		BS	6.25000	IN
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	10.2000	MMHO
FPHI	SPHI		MSEC	8.70000	MMHO
DO	0.0	F	BHS	OPEN	

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                    BEFORE SURVEY CALIBRATION SUMMARY

     PERFORMED:     82/08/11
     PROGRAM FILE: ISN    (VERSION    22.2    82/06/24)


   MCDB                   CALIPER CALIBRATION SUMMARY

                 MEASURED                        CALIBRATED
              SMALL    LARGE                  SMALL     LARGE        UNITS
     CALI      7.9     11.0                    8.0      12.0          IN
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COMPANY REICHHOLD ENERGY CORP.

WELL COLUMBIA COUNTY 32-33 REDRILL #1

FIELD MIST

COUNTY COLUMBIA STATE OREGON

SCHL. FR 2991.0'
SCHL. TD 3030.0'
DRLR. TD 3030.0'

Elev: KB 1104.2'
DF N/A
GL 1092.8'

-end-