BOREHOLE COMPENSATED SONIC LOG 5"

CSU

COMPANY:	REICHHOLD ENERGY CORPORATION	
WELL:	WERNER 14-21	
FIELD:	ST. LOUIS	
COUNTY:	MARION	
STATE:	OREGON	
LOCATION:	604.5' N & 627.5' E OF SW CORNER	
SEC:	21	TWP: 5S RGE: 2W

RECEIVED-PTIF
NOV 12 1982
DEPT [illegible]

OTHER SERVICES-
DIL
HDT

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 170.0 '
LOG MEASURED FROM: KB
11.4 ' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 189.4 '
DF:
GL: 178.0 '

PROGRAM
TAPE NO:
22.4
SERVICE
ORDER NO:
205819

DATE: 9 OCT 1982
RUN NO: 1

DEPTH-DRILLER: 3354.0 '
DEPTH-LOGGER: 3348.0 '
BTM. LOG INTERVAL: 3335.0 '
TOP LOG INTERVAL: 1206.0 '

CASING-DRILLER: 1206 '
CASING-LOGGER: 1206 '
CASING: 7"

BIT SIZE: 6.25"
DEPTH: 3354 '

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 9.4 LB/G
VISCOSITY: 52.0 S
PH: 9.5
FLUID LOSS: 4.6 C3
SOURCE OF SAMPLE: CIRC.
RM: 2.050 OHMM AT 80.0 DEGF
RMF: 3.060 OHMM AT 58.0 DEGF
RMC: 1.770 OHMM AT 62.0 DEGF
SOURCE RMF/RMC: MEAS. /MEAS.
RM AT BHT: 1.690 OHMM AT 98.0 DEGF
RMF AT BHT: 1.894 OHMM AT 98.0 DEGF
RMC AT BHT: 1.163 OHMM AT 98.0 DEGF

TIME CIRC. STOPPED: 0700
TIME LOGGER ON BTM.: 1110

MAX. REC. TEMP: 98.0 DEGF

LOGGING UNIT NO: 8216
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: ANDERSEN
WITNESSED BY: BRUER

REMARKS:

SP NOT VALID. ELECTRODE HAS POOR INSULATION

EQUIPMENT NUMBERS-

SLS 375 SLC 592 MCD 1502 SLM 1201

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

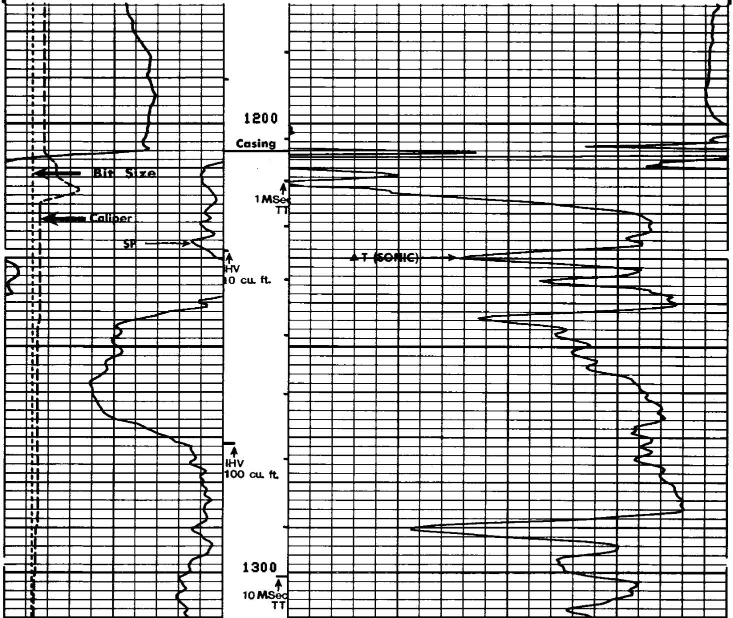
105

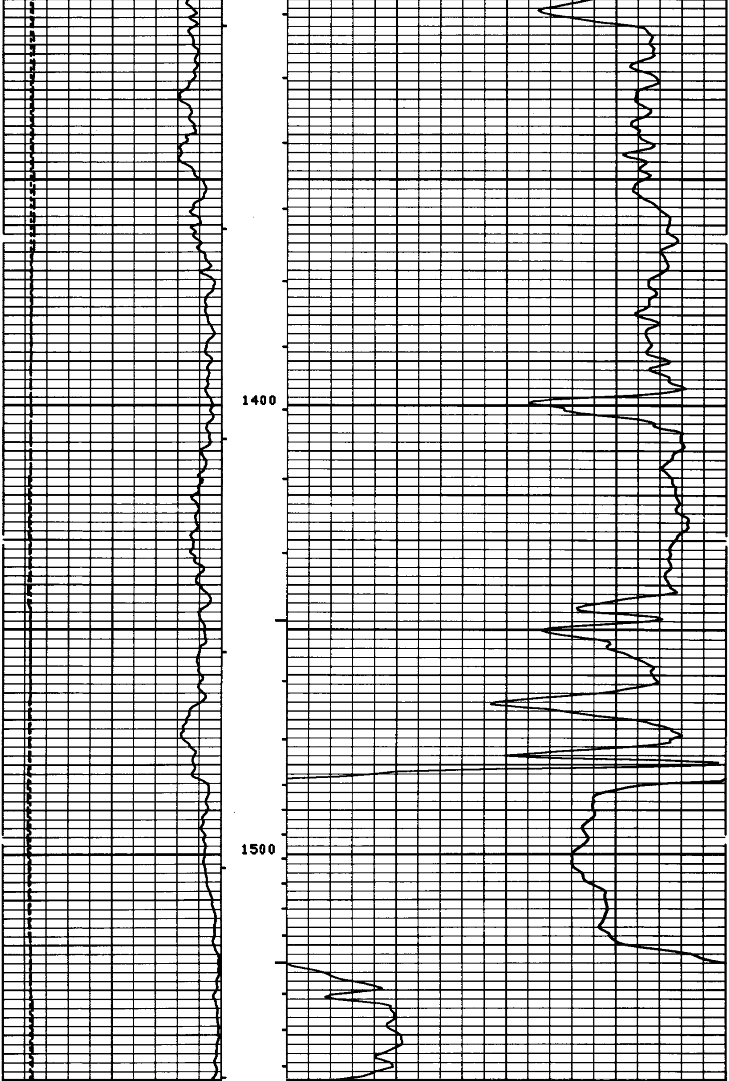
BS (IN)
5.0000 15.000
CALI(IN)
5.0000 15.000
SP (MV)
-90.00 10.000

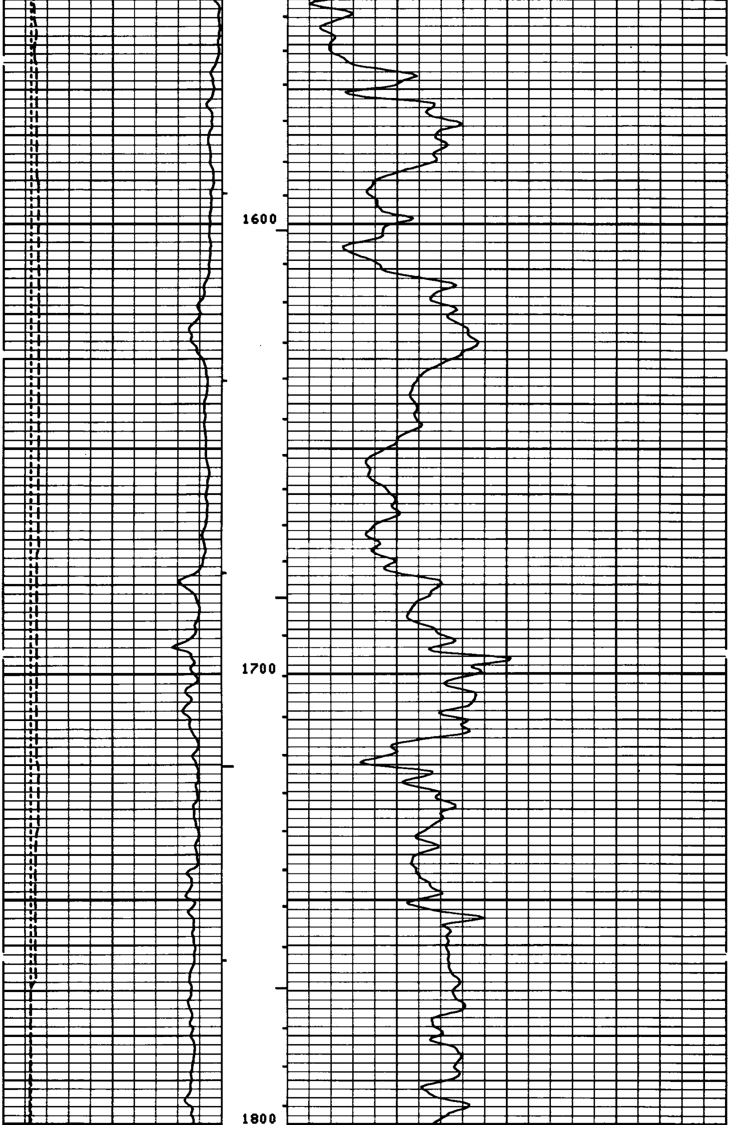
DT (US/F)
150.00 50.000

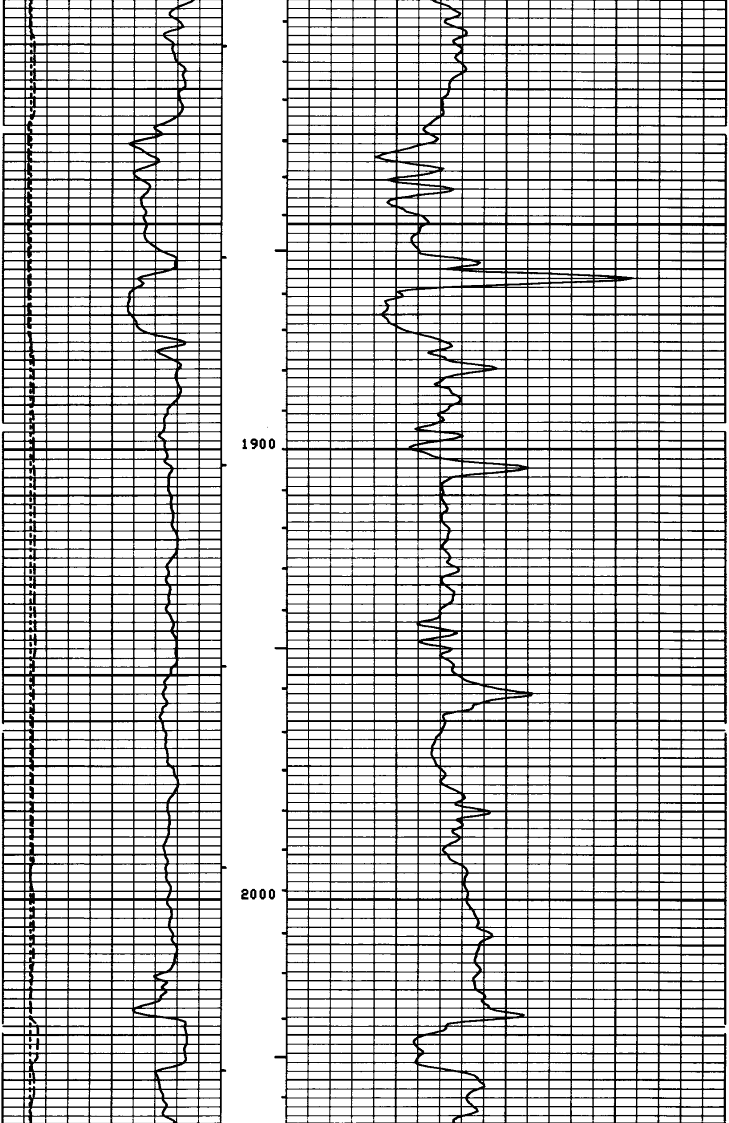
FILE

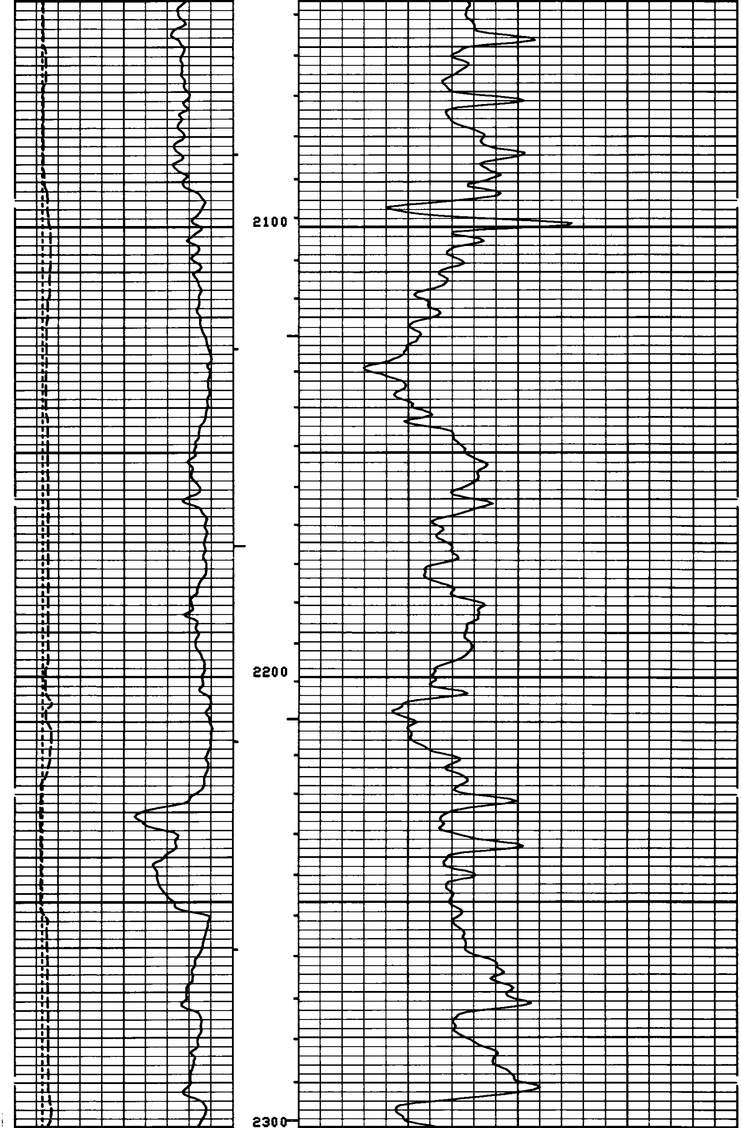
104

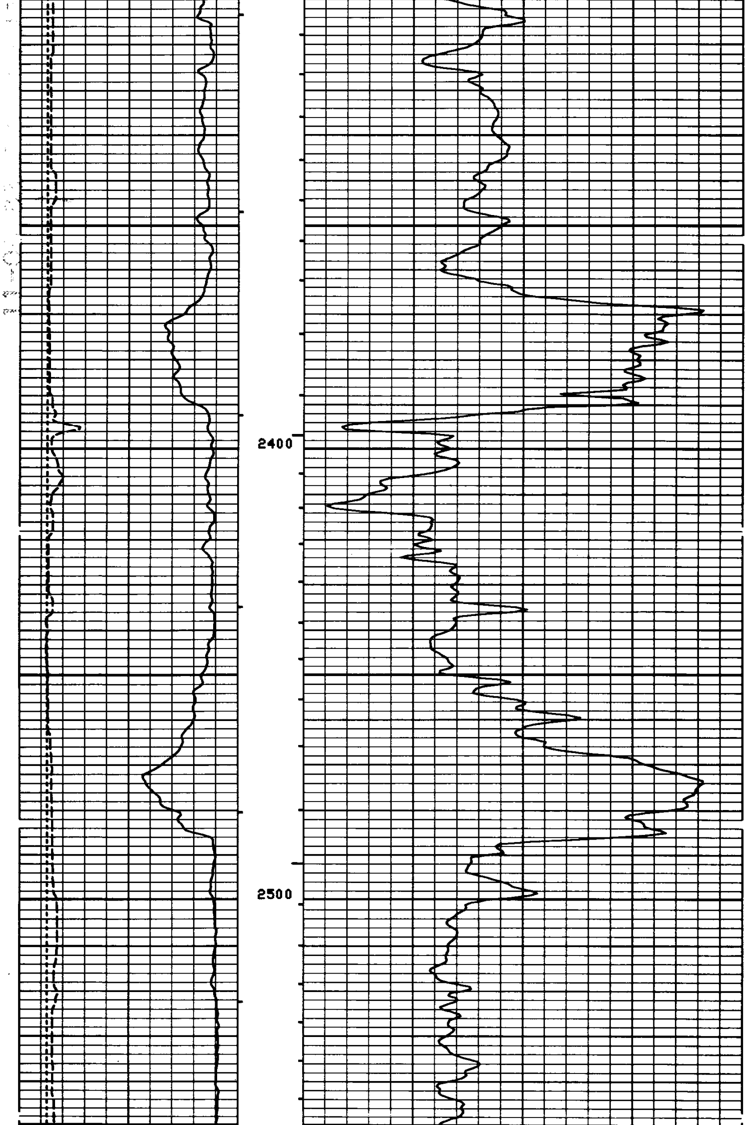


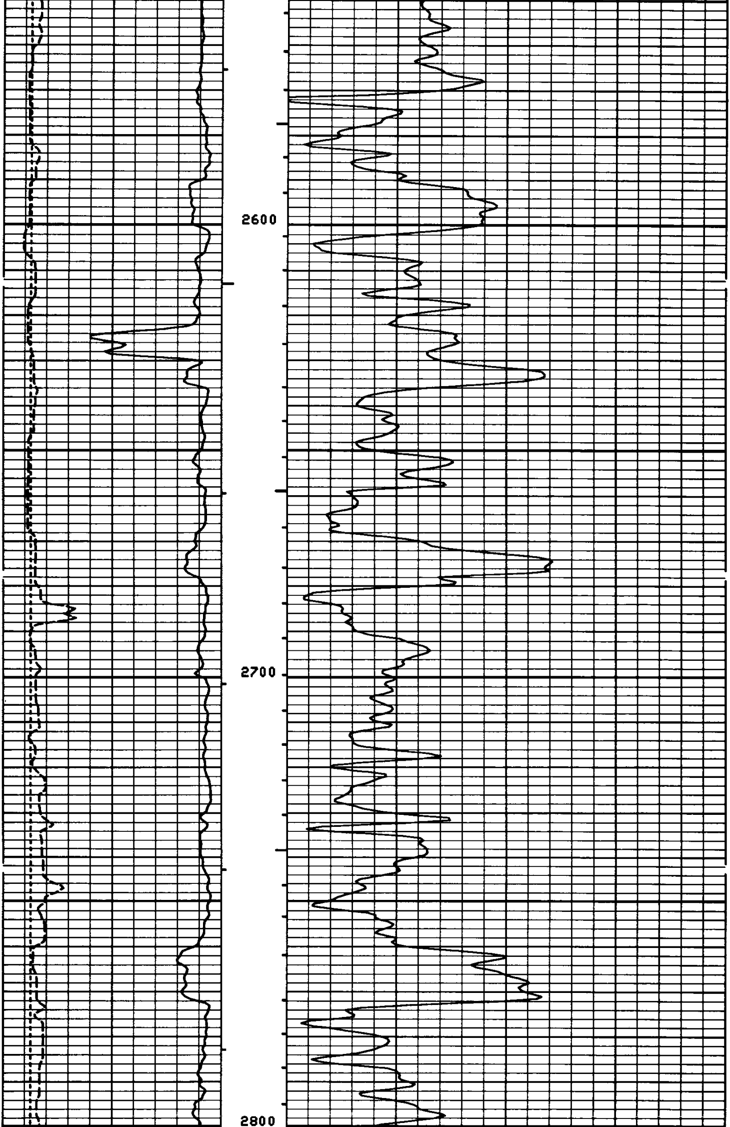


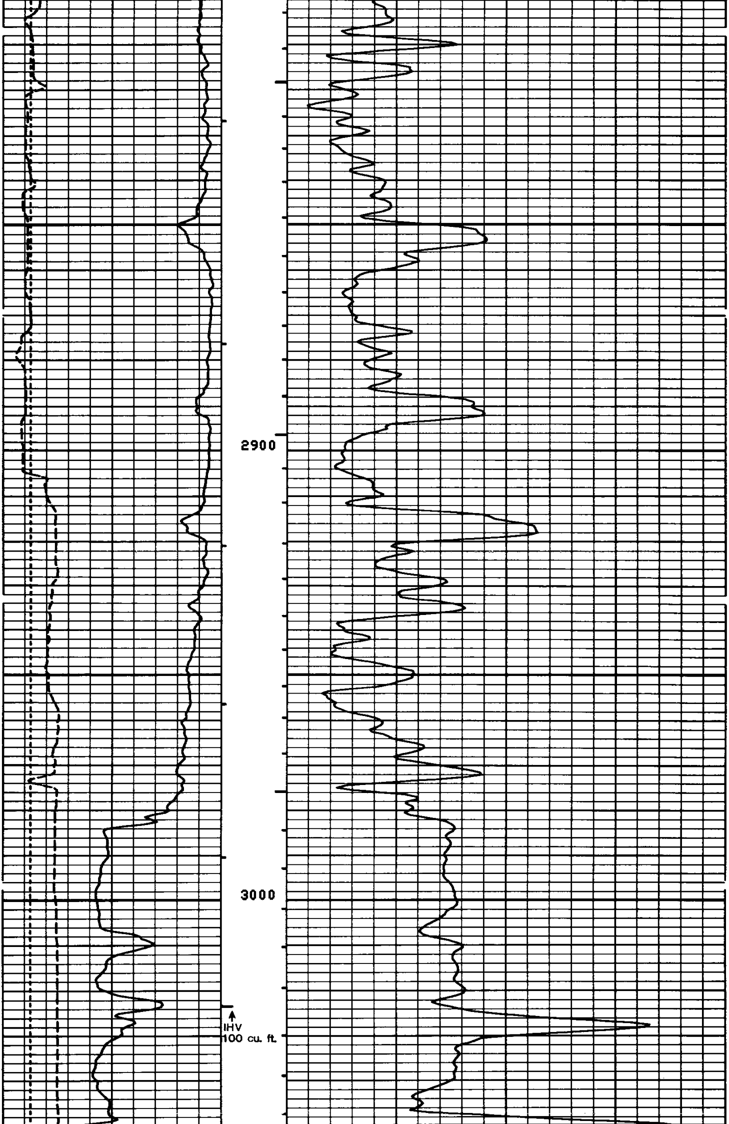


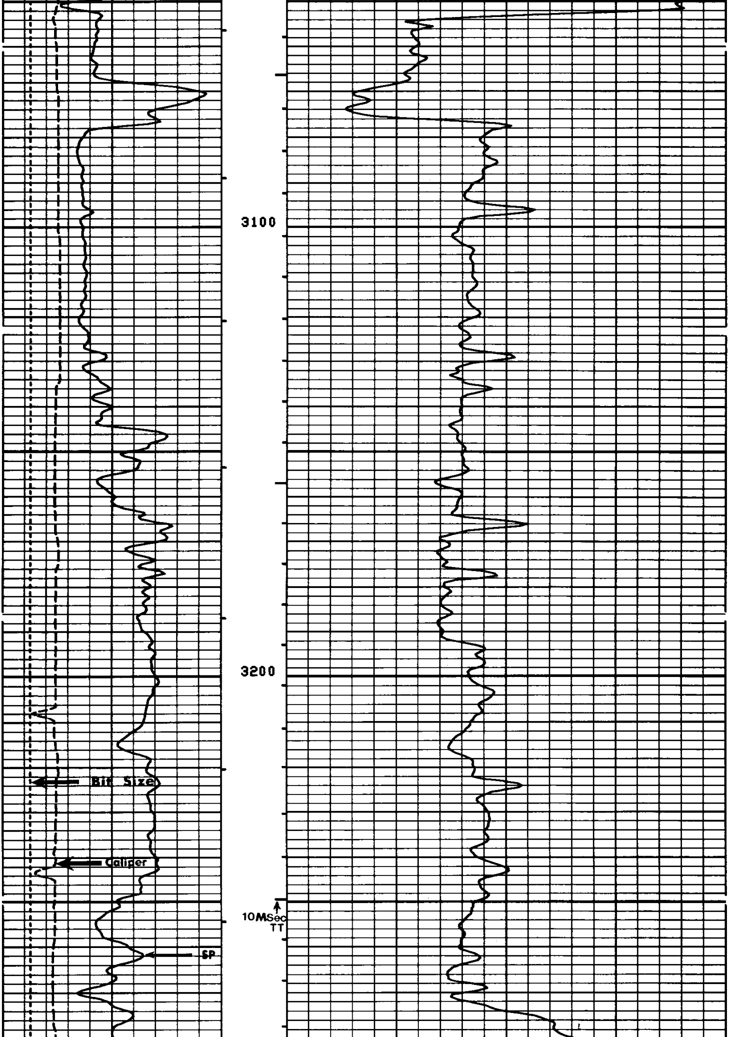


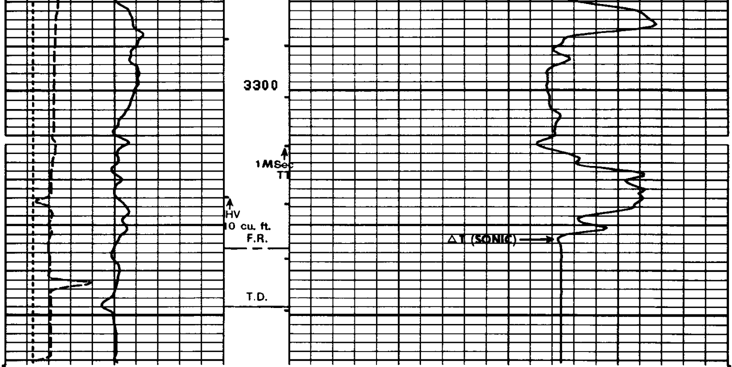












FILE

104

BS (IN)	
5.0000	15.000
CALI(IN)	
5.0000	15.000
SP (MV)	
-90.00	10.000

DT (US/F)	
150.00	50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	12.6	FEET	DT	10.1	FEET
SRAT	10.1	FEET	CBL	12.6	FEET
CALI	.5	FEET	TT	12.6	FEET
SPAR	-4.0	FEET	SP	-4.0	FEET
NOIS	4.3	FEET	TENS	.0	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
BHS	OPEN		FPHI	SPHI	
DO	0.0	F			

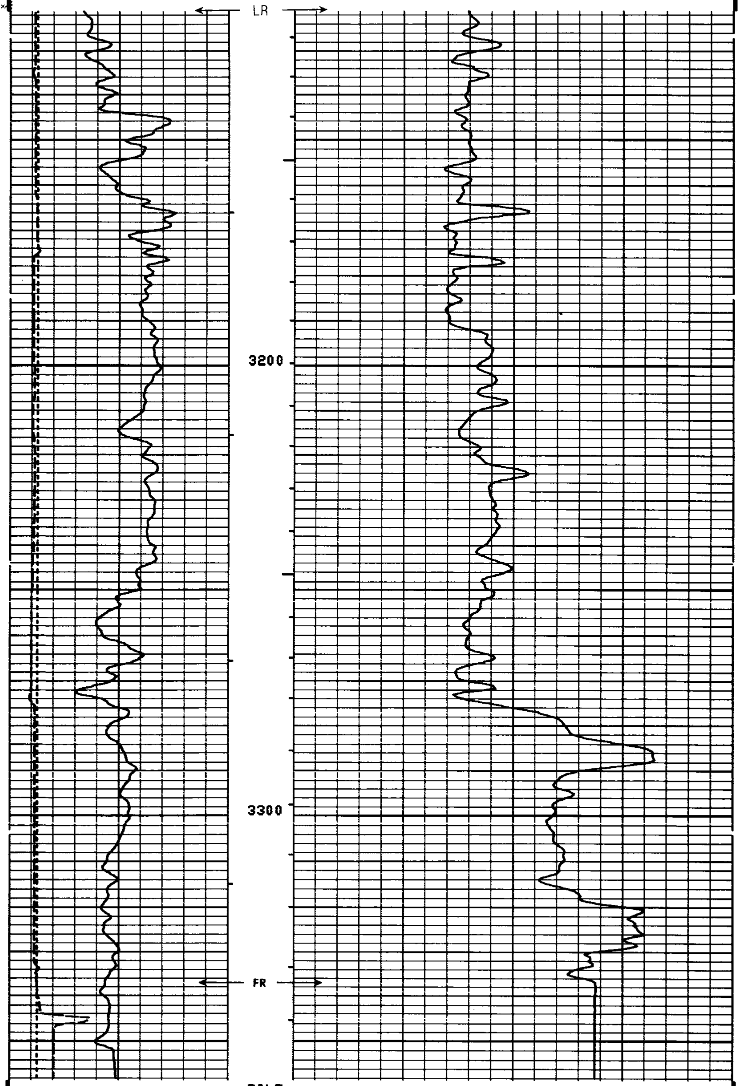
REPEAT SECTION

BS (IN)	
5.0000	15.000
CALI(IN)	
5.0000	15.000
SP (MV)	
-100.0	0.0

DT (US/F)	
150.00	50.000

FILE

14



FILE

14

BS (IN)
5.0000 15.000
CALI(IN)
5.0000 15.000
SP (MV)
-100.0 0.0

DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	12.6	FEET	DT	10.1	FEET
SRAT	10.1	FEET	CBL	12.6	FEET
CALI	.5	FEET	TT	12.6	FEET
SPAR	-4.0	FEET	SP	-4.0	FEET
NOIS	4.3	FEET	TENS	.0	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
BHS	OPEN		FPHI	SPHI	
DO	0.0	F			

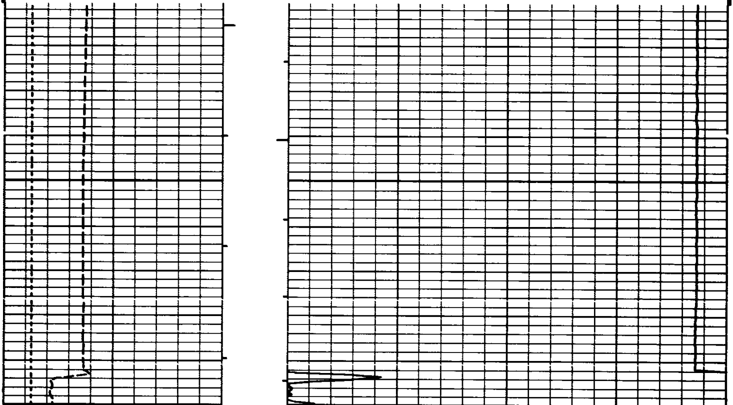
Sonic Check in Casing

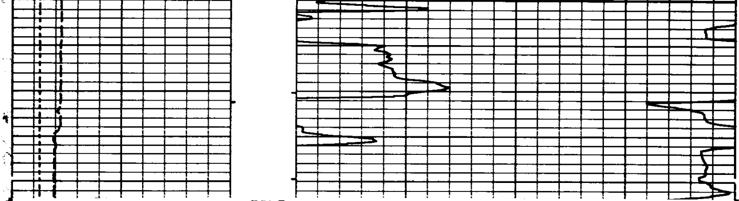
BS (IN)
5.0000 15.000
CALI(IN)
5.0000 15.000
SP (MV)
-100.0 0.0

DT (US/F)
150.00 50.000

FILE

12





FILE

12

BS (IN)			DT (US/F)	
5.0000	15.000			
CALI(IN)				
5.0000	15.000			
SP (MV)				
-100.0	0.0		150.00	50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	12.6	FEET	DT	10.1	FEET
SRAT	10.1	FEET	CBL	12.6	FEET
CALI	.5	FEET	TT	12.6	FEET
SPAR	-4.0	FEET	SP	-4.0	FEET
NOIS	4.3	FEET	TENS	.0	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
BHS	OPEN		FPHI	SPHI	
DO	0.0	F			

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 82/10/09
PROGRAM FILE: ISN (VERSION 22.4 82/09/01)

VCDD

CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	8.0	12.9	8.0	12.0	IN

FILE

11

COMPANY REICHHOLD ENERGY CORPORATION
WELL WERNER 14-21
FIELD ST. LOUIS
COUNTY MARION STATE OREGON

SCHL. FR 3335.0'
SCHL. TD 3348.0'
DRLR. TD 3354.0'
Elev: KB 189.4'
DF N/A
GL 178.0'

SWS—2872