Schlumberger

HIGH RESOLUTION DIPMETER

CSU

COMPANY: REICHHOLD ENERGY CORPORATION

WELL: COLUMBIA COUNTY #13-1 RD#1

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON

LOCATION: 1393' NORTH & 1252' EAST OF SOUTHWEST CORNER OF
SEC: 1 TWP: 6N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 1163.2'
LOG MEASURED FROM: KB
11.4' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 1174.6'
DF:
GL: 1163.2'

DATE: 9 MAY 82
RUN NO: 1

DEPTH-DRILLER: 3028.0'
DEPTH-LOGGER: 3015.0'
BTM. LOG INTERVAL: 3010.0'
TOP LOG INTERVAL: 437.0'

CASING-DRILLER: 436'
CASING-LOGGER: 437'
CASING: 7"

BIT SIZE: 6.25

RECEIVED-PTLD
MAY 17 1982
DEPT OF GEOLOGY

OTHER SERVICES-
DIL
BHC

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
205640

TYPE FLUID IN HOLE: GEL WATER
DENSITY: 11.5 LB/G
VISCOSITY: 45.0 S
PH: 9.5
FLUID LOSS: 6.5 C3
SOURCE OF SAMPLE: MUD PIT
RM: 6.550 OHMM AT 58.0 DF
RMF: 6.930 OHMM AT 45.0 DF
RMC: 4.118 OHMM AT 45.0 DF
SOURCE RMF/RMC: MEASURED/CALCULATED
RM AT BHT: 5.008 OHM AT 78.0 DF
RMF AT BHT: 4.239 OHM AT 78.0 DF
RMC AT BHT: 2.519 OHM AT 78.0 DF

TIME CIRC. STOPPED: 0730
TIME LOGGER ON BTM.: 1220

MAX. REC. TEMP: 78.0 DF

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

REMARKS: OVERLAP TAKEN FROM 810' TO 950' TO REGAIN DATA FROM FOURTH PAD.

EQUIPMENT NUMBERS-

HDS 1954 HDH 1703 HDM 1726 DAM 1891

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.

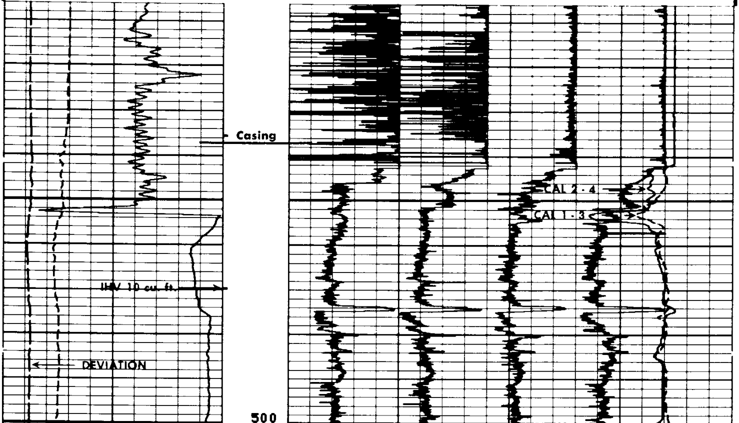
FILE

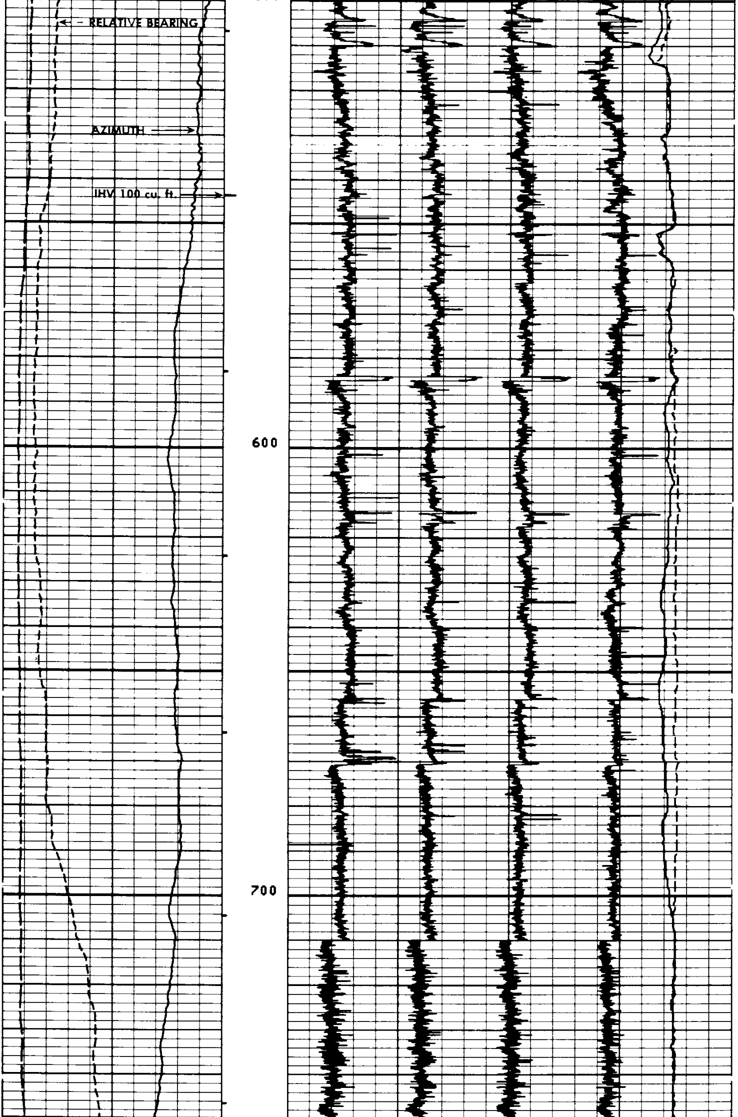
DEVI(DEG)
-1.000 9.000
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

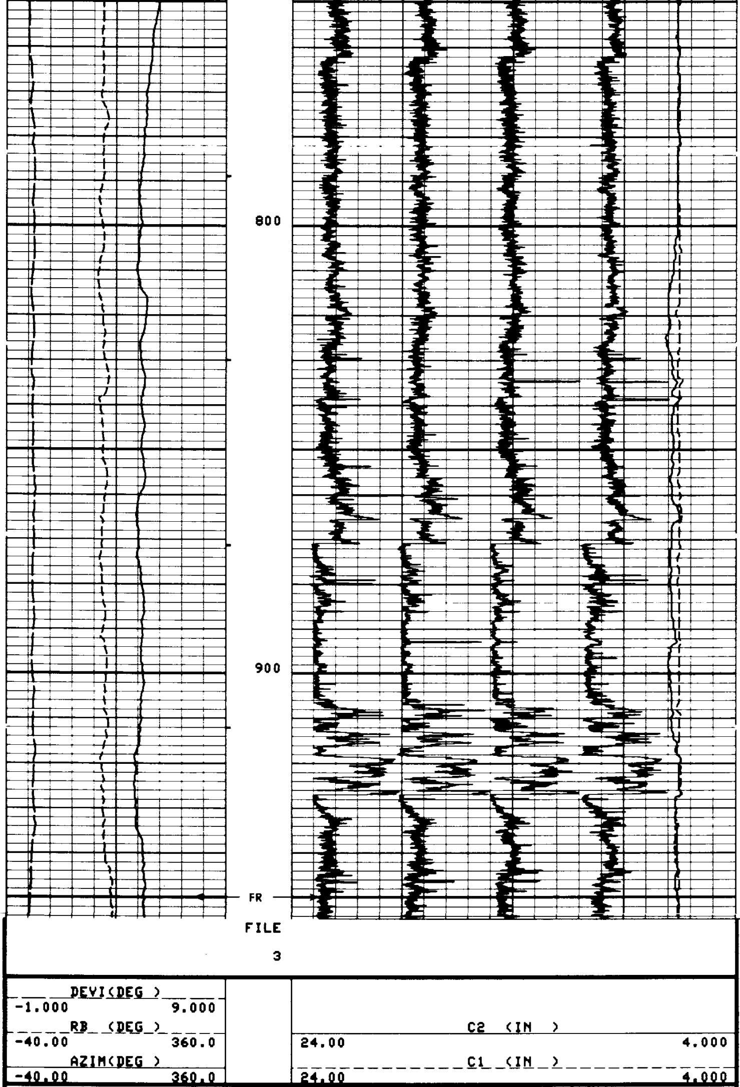
C2 (IN)
24.00 4.000
C1 (IN)
24.00 4.000

FILE

3







SENSOR MEASURE POINT TO TENSION REFERENCE POINT

RB	.0	FEET	AZIM	.0	FEET
FEP1	.0	FEET	DEVI	.0	FEET
REFE	.0	FEET	FEP2	.0	FEET
EMEX	.0	FEET	RC	.0	FEET
C2	.0	FEET	C1	.0	FEET
RC2	.0	FEET	RC1	.0	FEET
TEMP	.0	FEET	PP	.0	FEET
FC0	.0	FEET	TENS	.0	FEET
FC2	.0	FEET	FC1	.0	FEET
FC4	.0	FEET	FC3	.0	FEET
SHDT	.0	FEET			

PARAMETERS

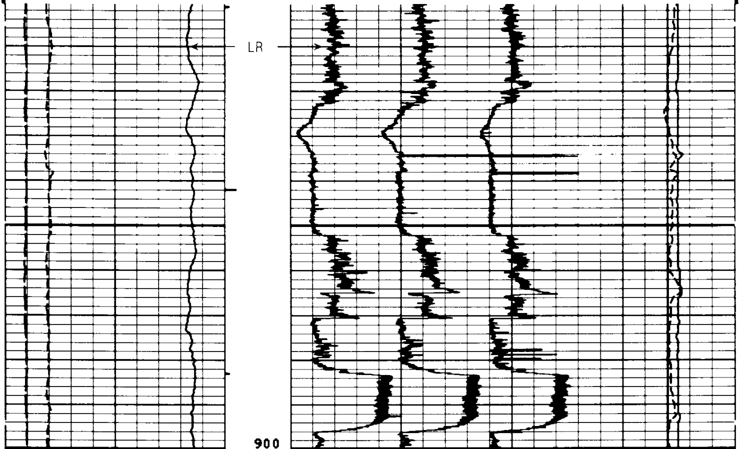
NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	BS	6.250	IN
BHS	OPEN		STYP	HDSD	
DO	0.0				

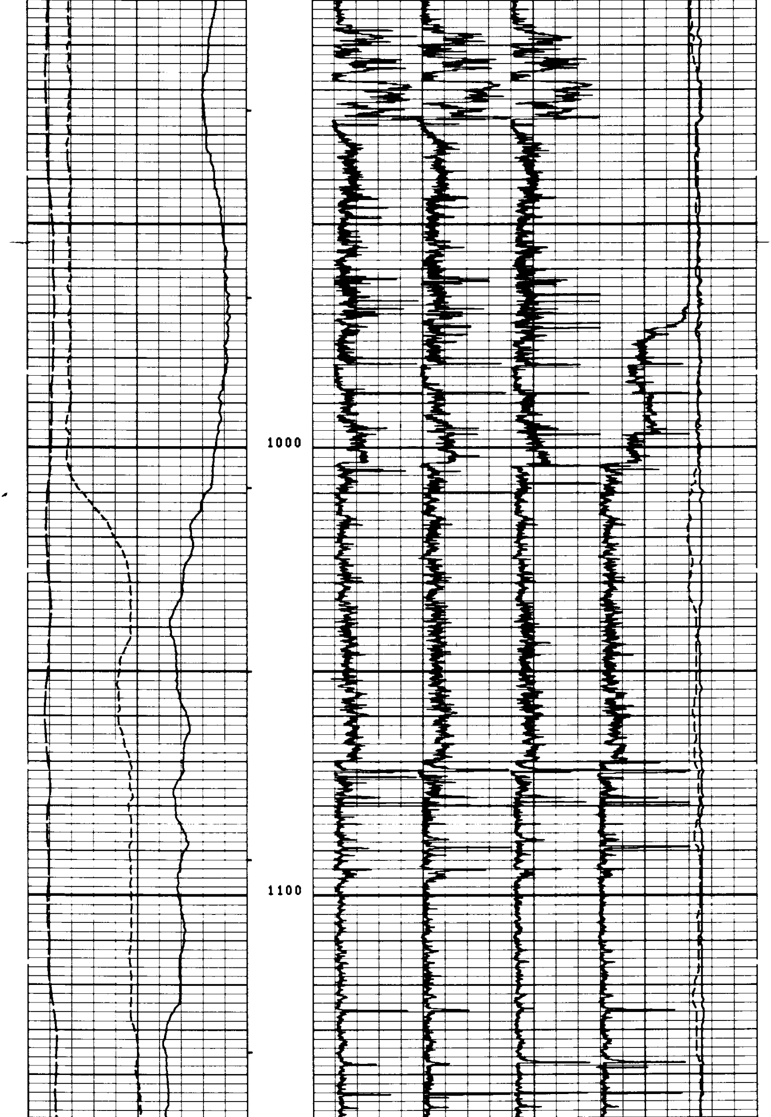
SEE REMARKS SEE REMARKS SEE REMARKS

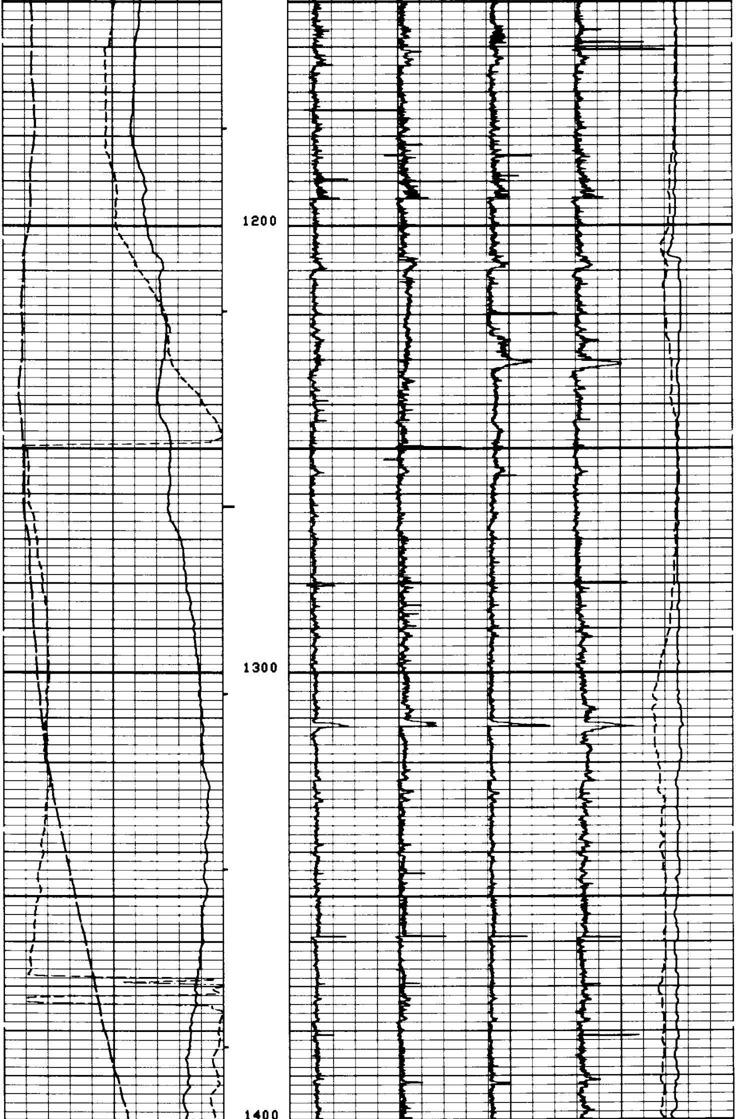
DEVI(DEG)			C2 (IN)	
-1.000	9.000		24.00	4.000
RB (DEG)			C1 (IN)	
-40.00	360.0		24.00	4.000
AZIM(DEG)				
-40.00	360.0			

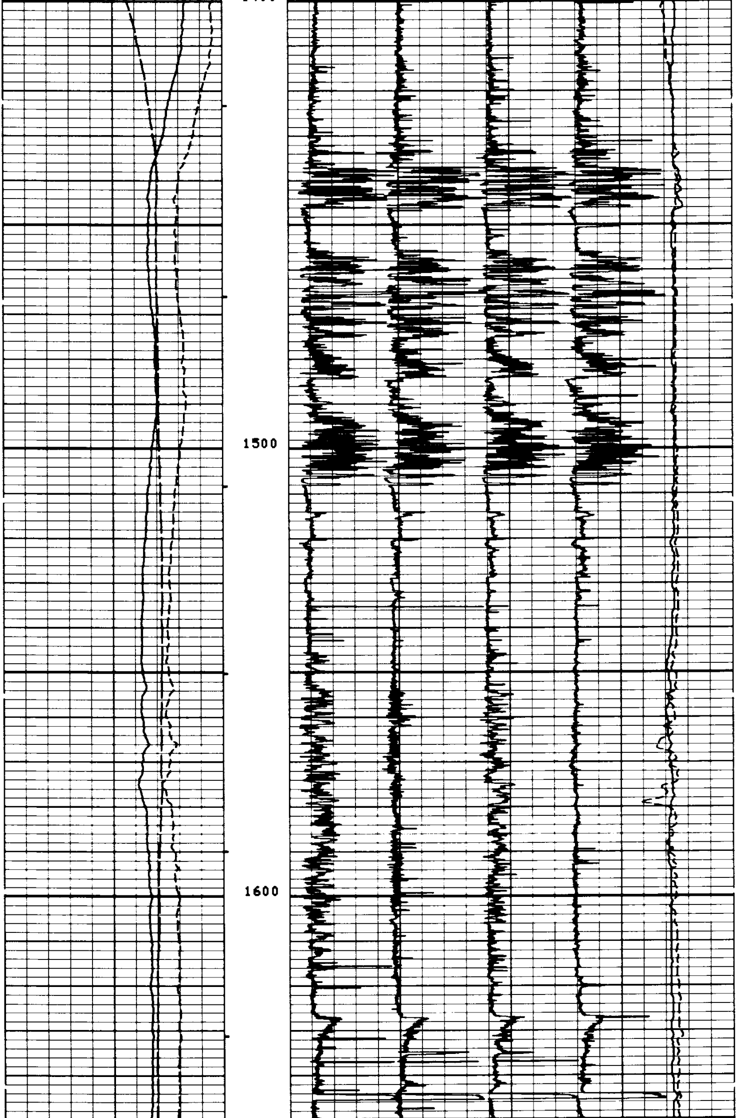
FILE

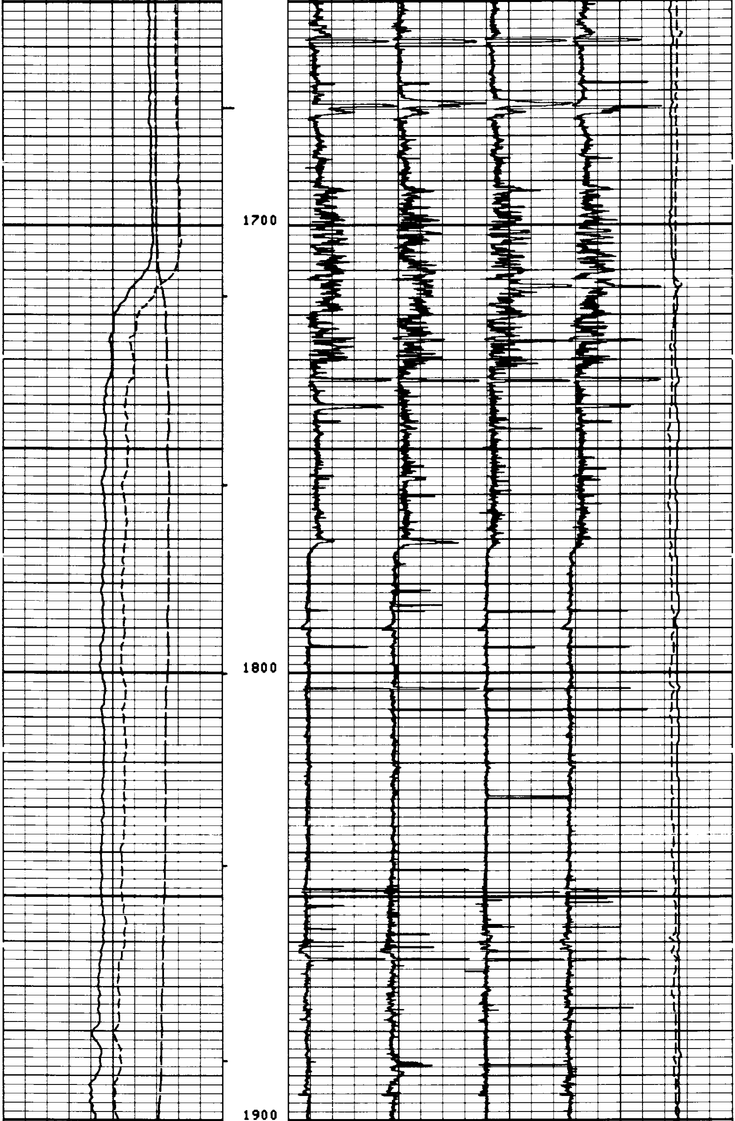
2

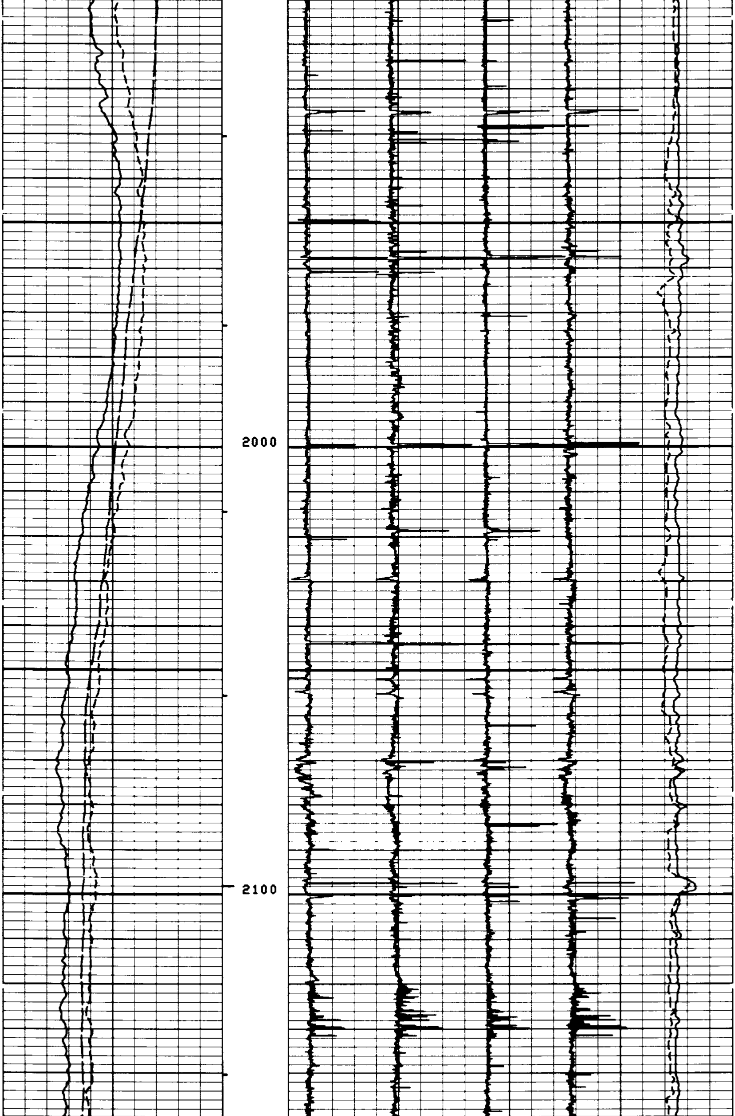


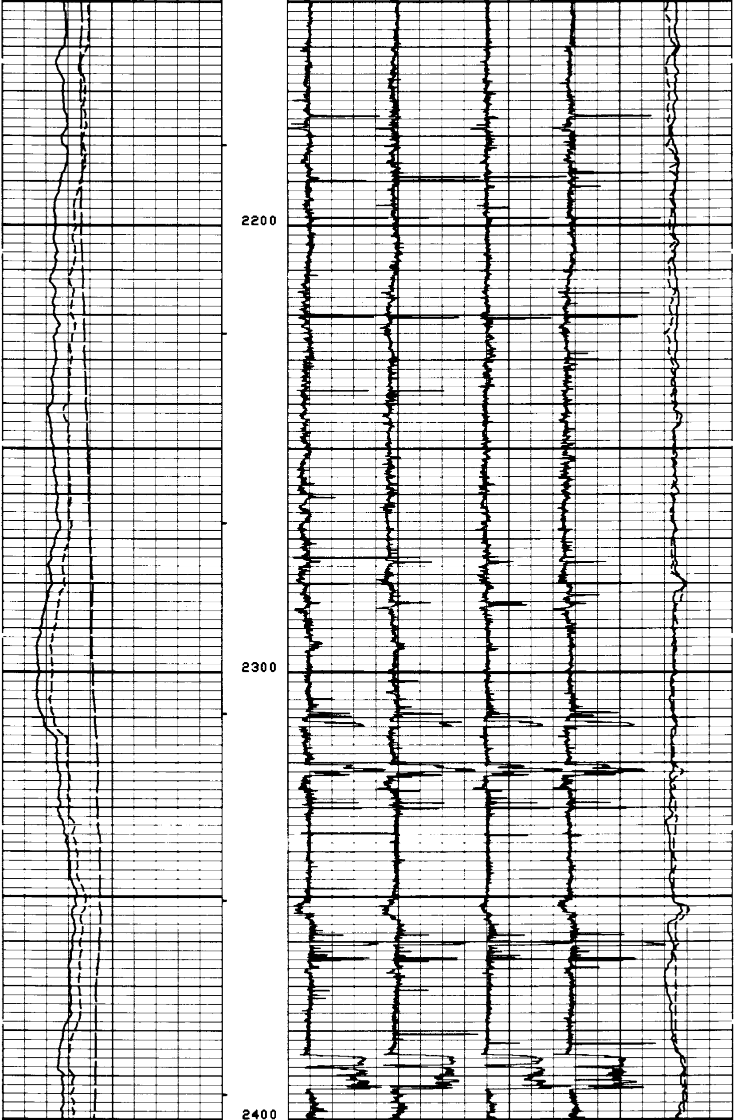


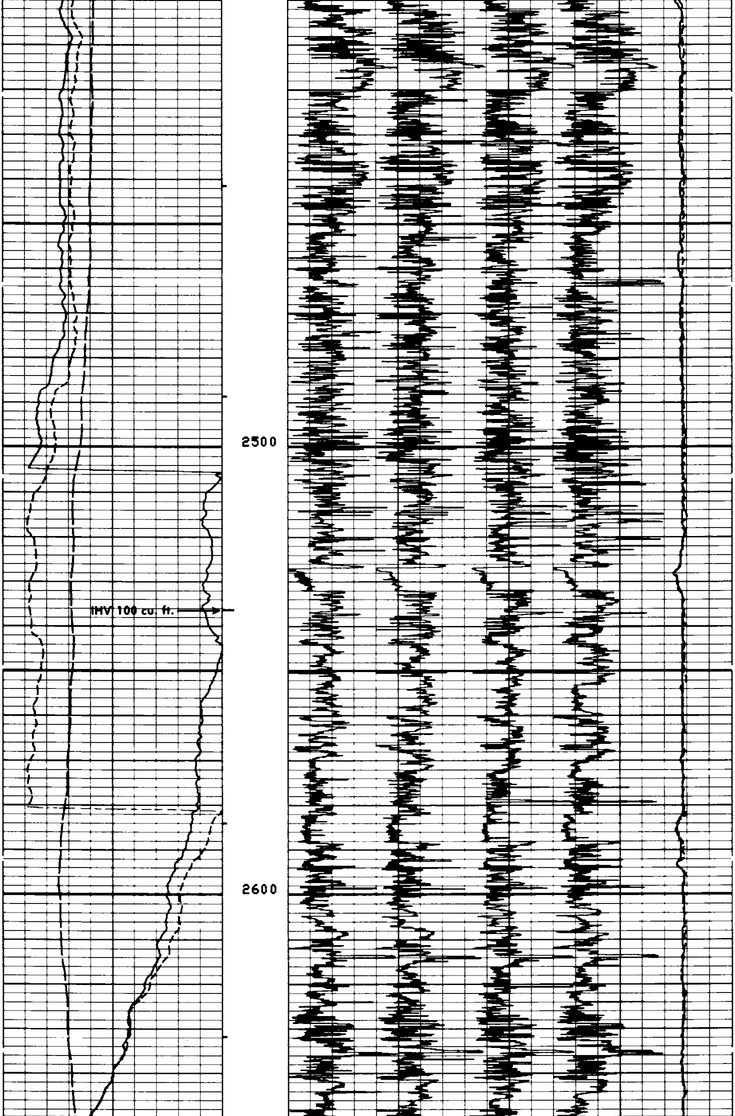


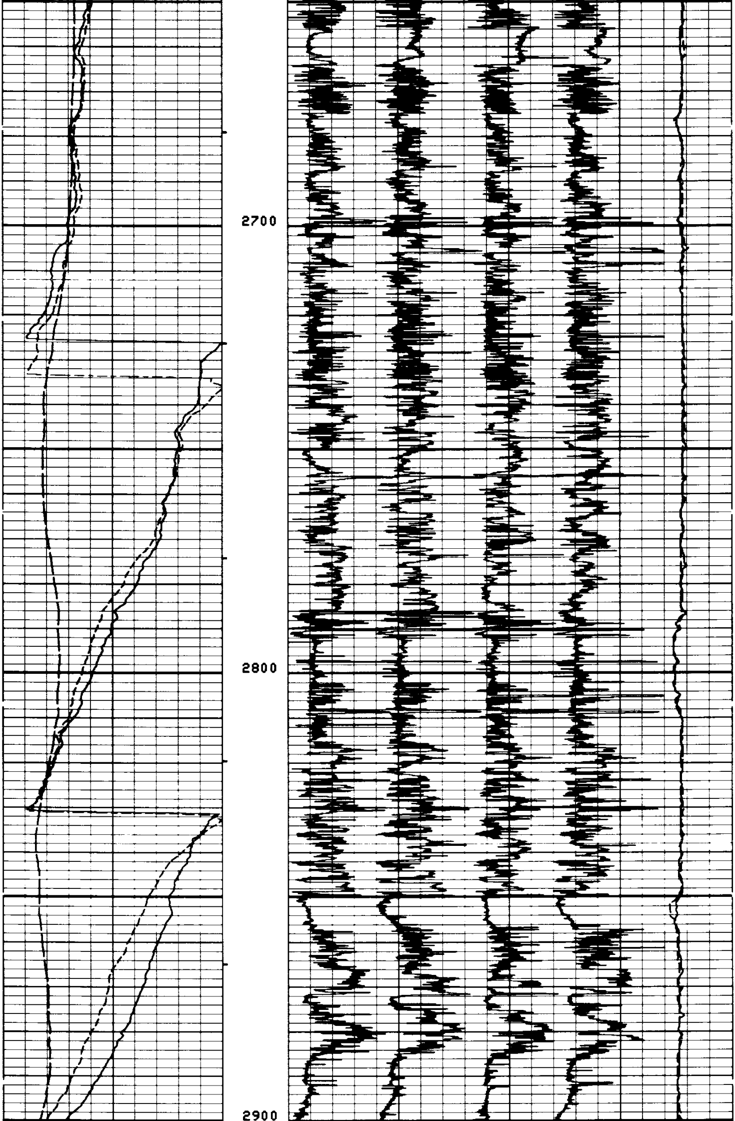


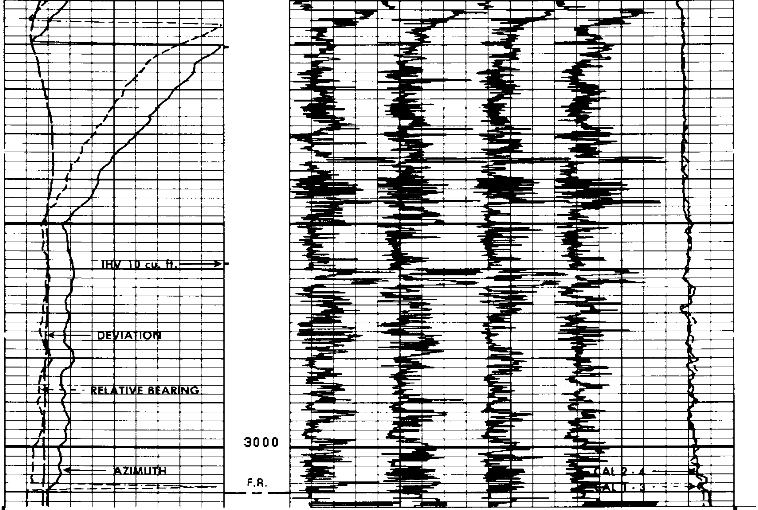












FILE

2

DEVI(DEG)			
-1.000	9.000		
RB (DEG)		C2 (IN)	
-40.00	360.0	24.00	4.000
AZIM(DEG)		C1 (IN)	
-40.00	360.0	24.00	4.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

RB	.0	FEET	AZIM	.0	FEET
FEP1	.0	FEET	DEVI	.0	FEET
REFE	.0	FEET	FEP2	.0	FEET
EMEX	.0	FEET	RC	.0	FEET
C2	.0	FEET	C1	.0	FEET
RC2	.0	FEET	RC1	.0	FEET
TEMP	.0	FEET	PP	.0	FEET
FC0	.0	FEET	TENS	.0	FEET
FC2	.0	FEET	FC1	.0	FEET
FC4	.0	FEET	FC3	.0	FEET
SHDT	.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	BS	6.250	IN
BHS	OPEN		STYP	HDSD	
DO	0.0				

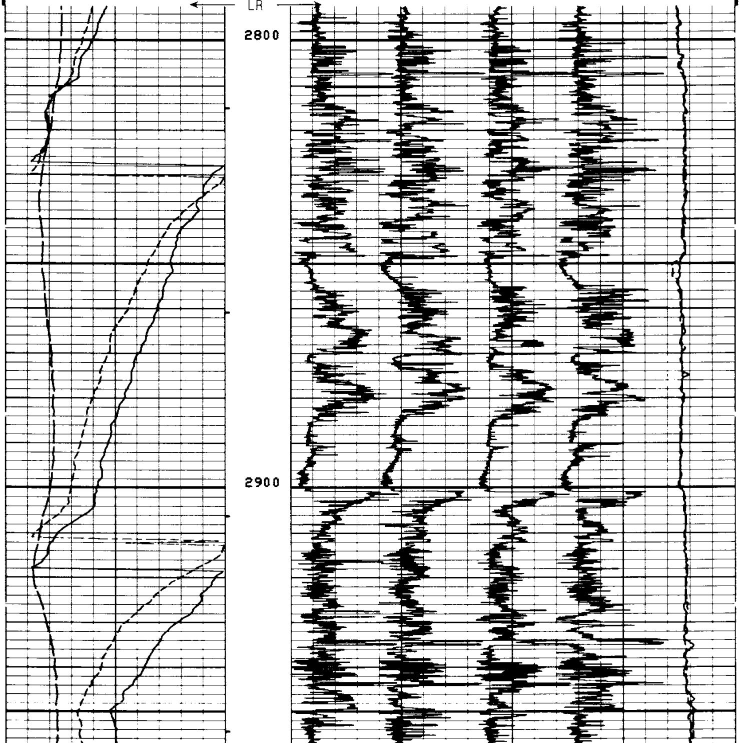
REPEAT SECTION

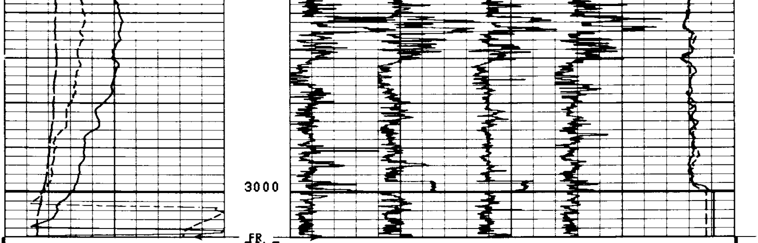
DEVI(DEG)
-1.000 9.000
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

C2 (IN)
24.00 4.000
C1 (IN)
24.00 4.000

FILE

1





FILE

1

DEVI(DEG)
-1.000 9.000
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

C2 (IN)
24.00 4.000
C1 (IN)
24.00 4.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

RB	.0	FEET	AZIM	.0	FEET
FEP1	.0	FEET	DEVI	.0	FEET
REFE	.0	FEET	FEP2	.0	FEET
EMEX	.0	FEET	RC	.0	FEET
C2	.0	FEET	C1	.0	FEET
RC2	.0	FEET	RC1	.0	FEET
TEMP	.0	FEET	PP	.0	FEET
FC0	.0	FEET	TENS	.0	FEET
FC2	.0	FEET	FC1	.0	FEET
FC4	.0	FEET	FC3	.0	FEET
SHDT	.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	BS	6.250	IN
BHS	OPEN		STYP	HDSD	
DO	0.0				

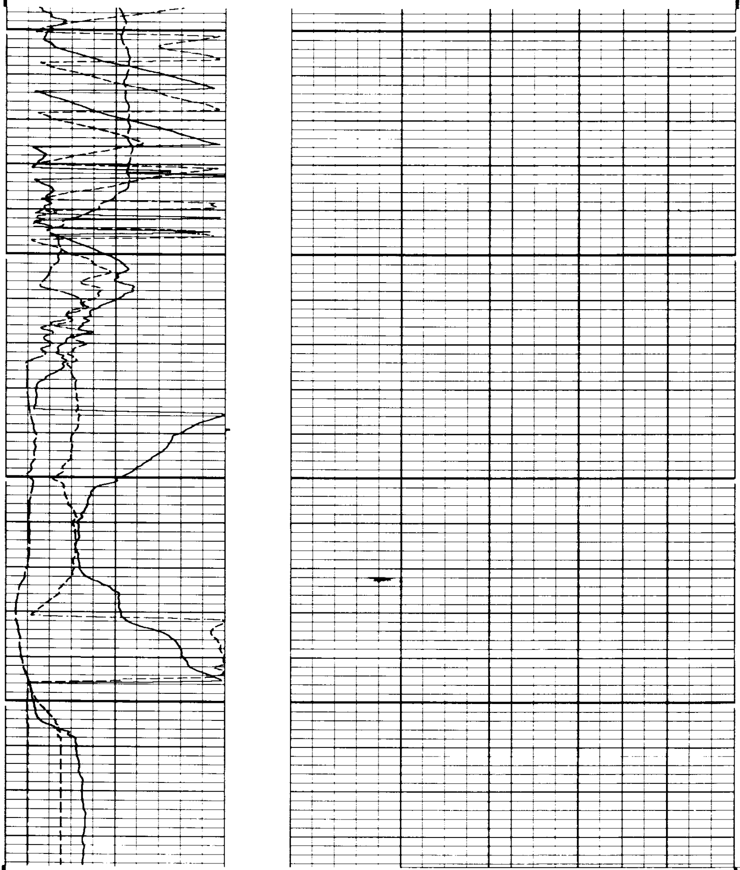
BEFORE SURVEY ↓ TOOL CHECK

DEVI(DEG)
-1.000 9.000
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

C2 (IN)
26.00 6.000
C1 (IN)
26.00 6.000

FILE

3

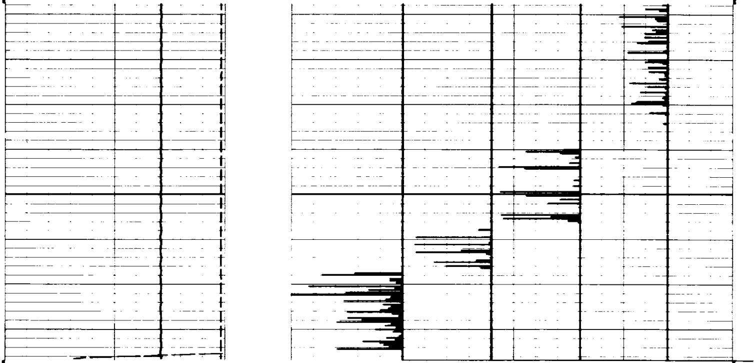


FILE

3

FILE

2



FILE

2

DEVI(DEG)		
-1.000		9.000
RB (DEG)		
-40.00		360.0
AZIM(DEG)		
-40.00		360.0

C2 (IN)		
26.00		6.000
C1 (IN)		
26.00		6.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

RB	.0	FEET	AZIM	.0	FEET
FEP1	.0	FEET	DEVI	.0	FEET
REFE	.0	FEET	FEP2	.0	FEET
EMEX	.0	FEET	RC	.0	FEET
C2	.0	FEET	C1	.0	FEET
RC2	.0	FEET	RC1	.0	FEET
TEMP	.0	FEET	PP	.0	FEET
FC0	.0	FEET	TENS	.0	FEET
FC2	.0	FEET	FC1	.0	FEET
FC4	.0	FEET	FC3	.0	FEET
SHDT	.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	BS	6.250	IN
BHS	OPEN		STYP	HDSD	
DO	0.0				

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 82/05/08
PROGRAM FILE: HDT (VERSION 20.2 81/ 1/30)

HDT CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
C1	9.0	13.6	8.0	12.0	IN
C2	8.7	13.4	8.0	12.0	IN

FILE

COMPANY REICHHOLD ENERGY CORPORATION

WELL COLUMBIA COUNTY 13-1 RD

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

SCHL. FR 3010.0
SCHL. TD 3015.0
DRLR. TD 3028.0

Elev: KB 1174.6
DF ------
GL 1168.2