CC 04

Schlumberger

HIGH RESOLUTION DIPMETER

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: 2875.0'
TOP LOG INTERVAL: 400.0'

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

BIT SIZE: 6.25

OTHER SERVICES-
DIL
BHC

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: 1.318 OHM AT 103. DF
RMF AT BHT: 0.812 OHM AT 103. DF
RMC AT BHT: 0.780 OHM AT 103. DF

TIME CIRC. STOPPED: 1515
TIME LOGGER ON BTM.: 2345

MAX. REC. TEMP:	103.0 DF
LOGGING UNIT NO:	8076
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	MAYER
WITNESSED BY:	ALGER

REMARKS:

EQUIPMENT NUMBERS-

HDS 1954 HDE 1879 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

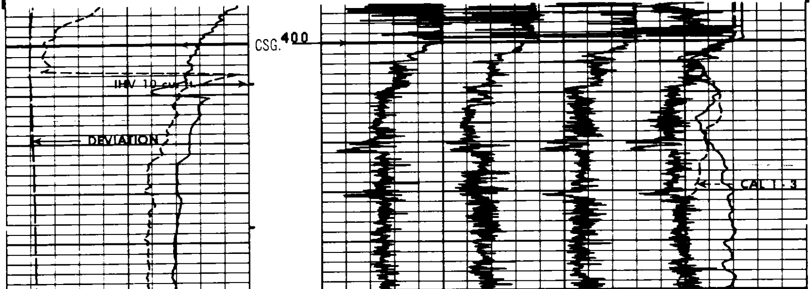
101

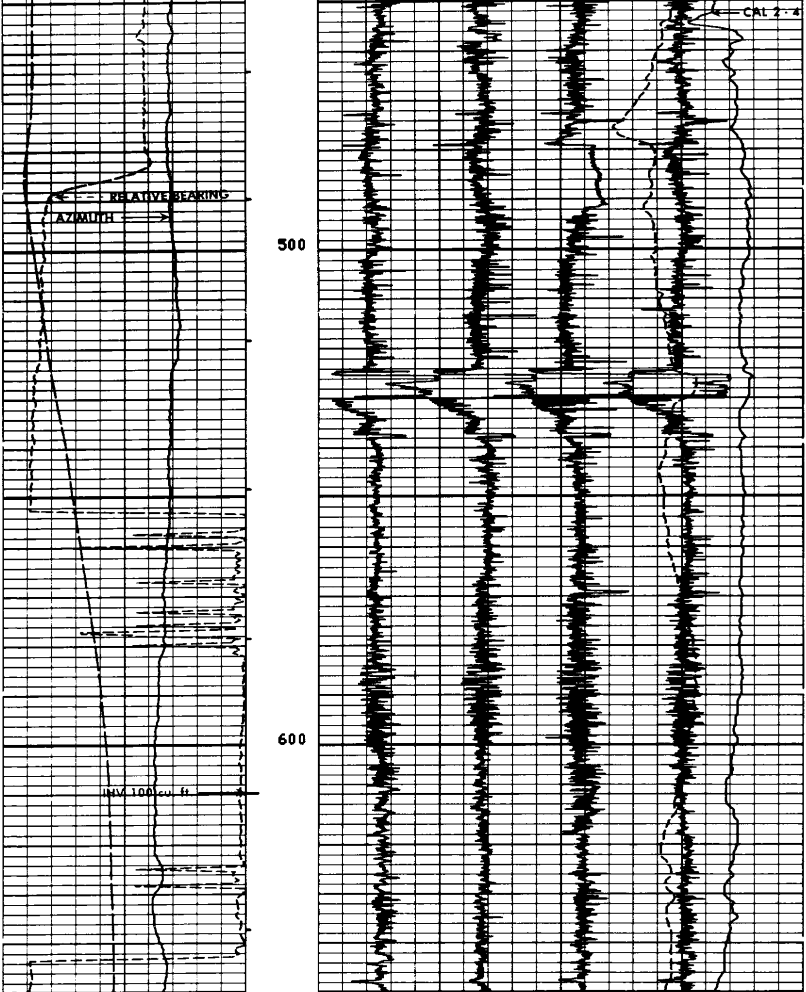
DEVI(DEG)
-3.000 27.00
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

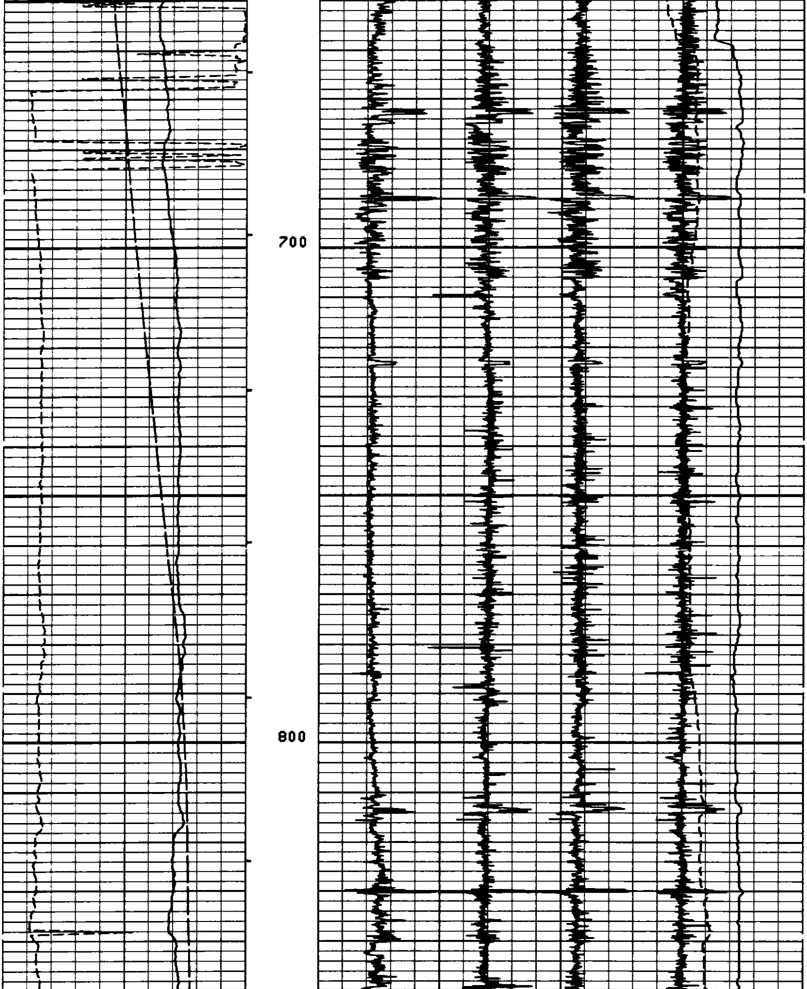
C2 (IN)
24.00 4.000
C1 (IN)
24.00 4.000

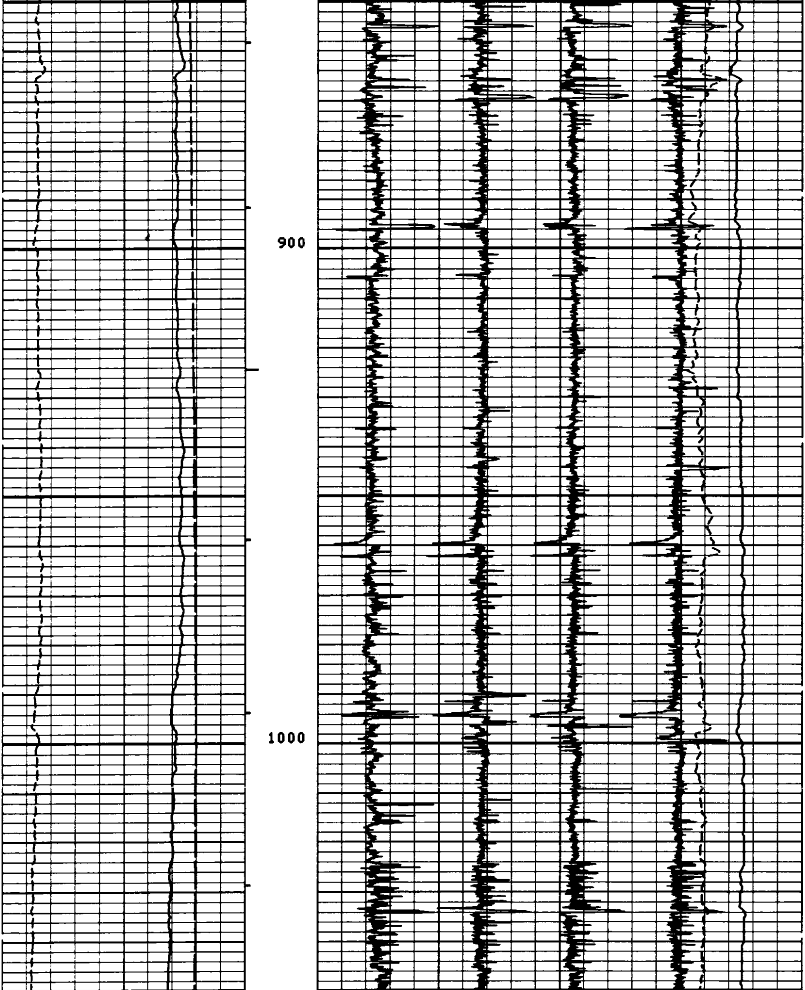
FILE

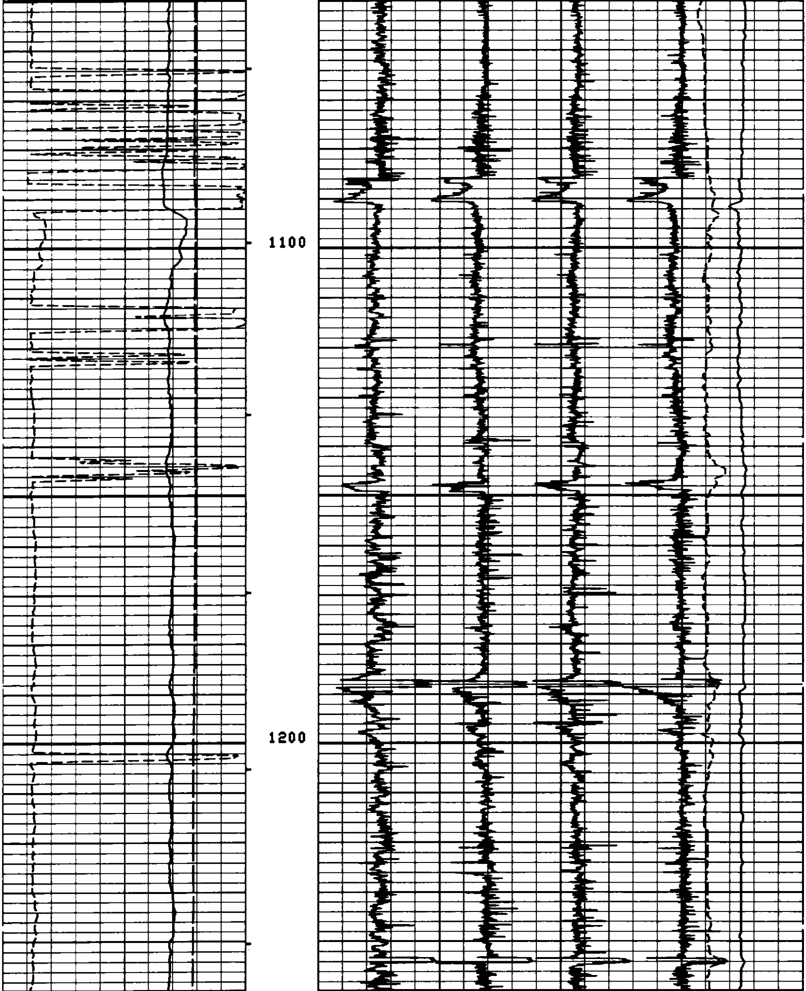
5

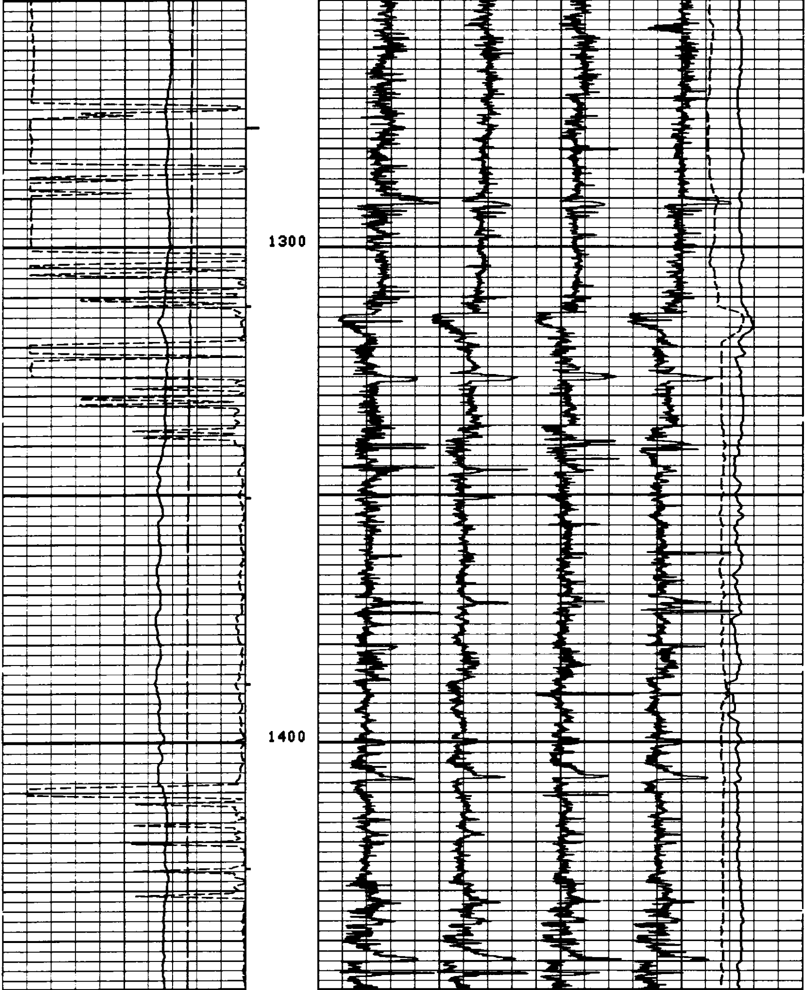


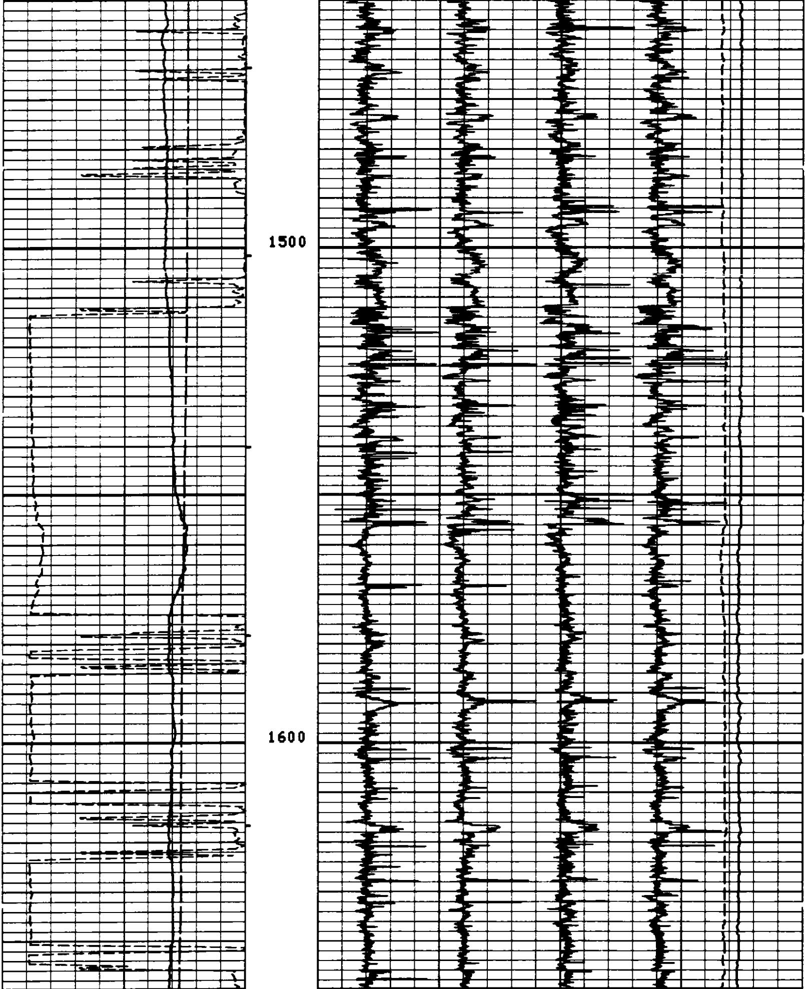


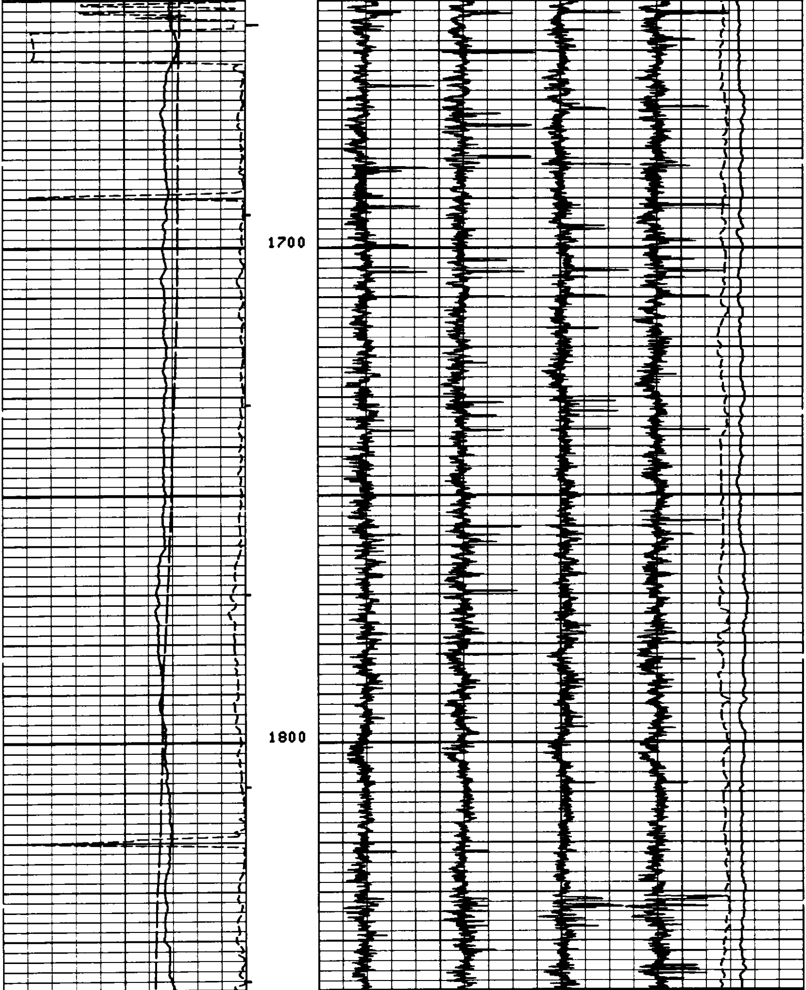


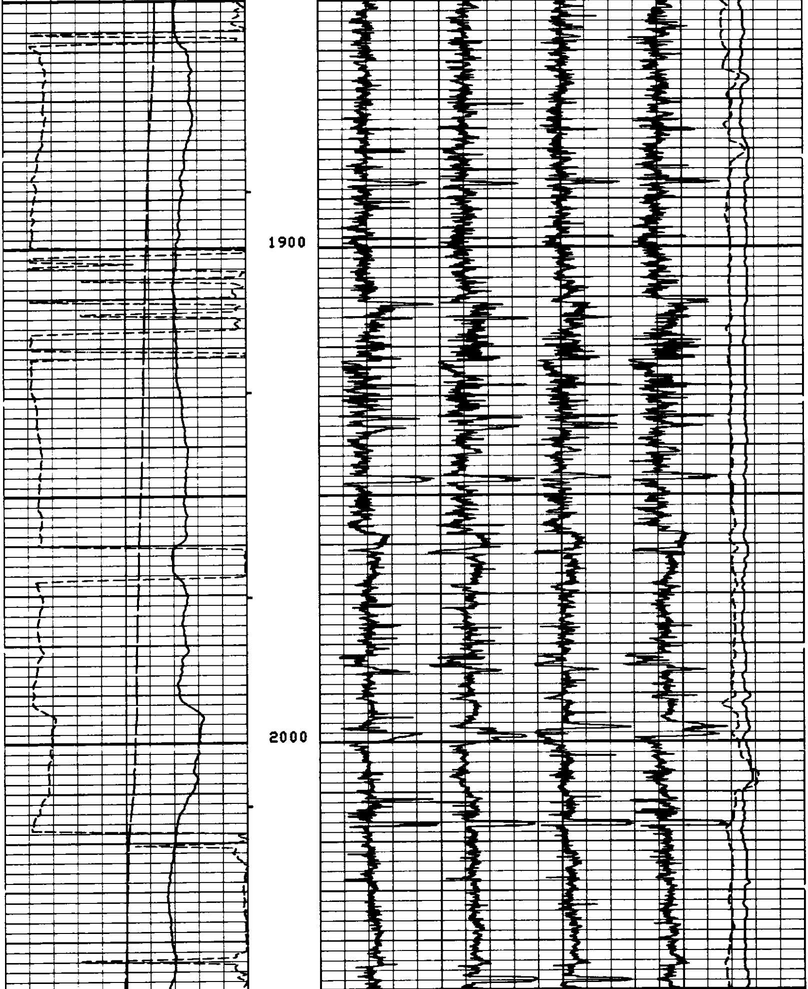


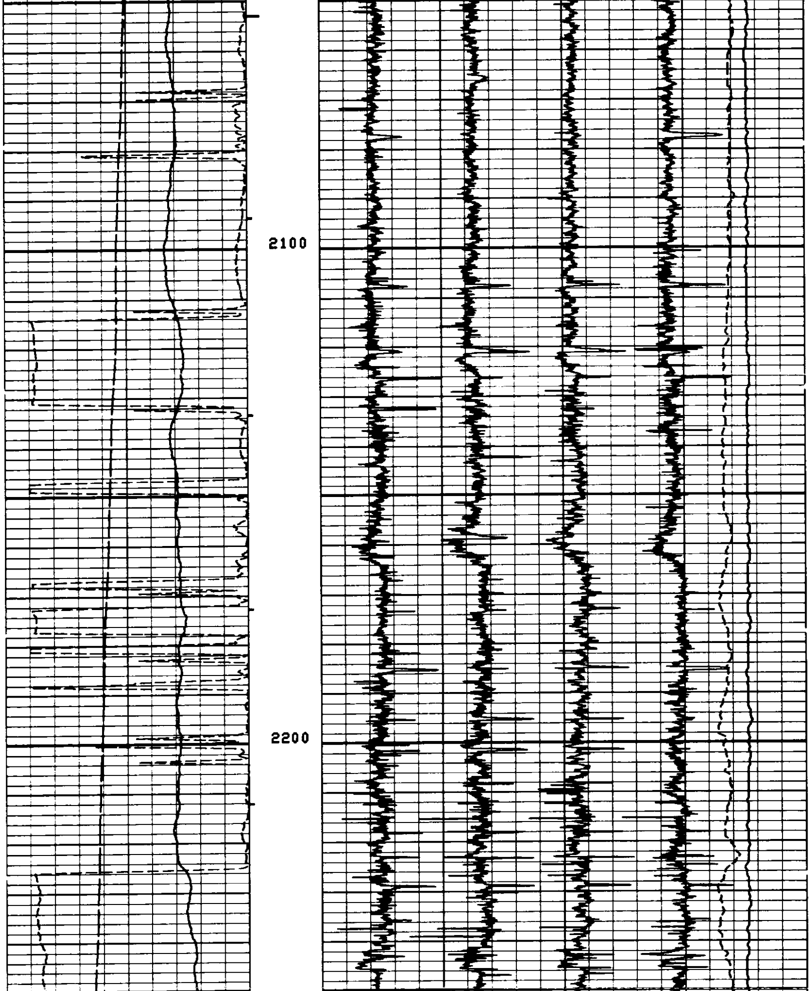


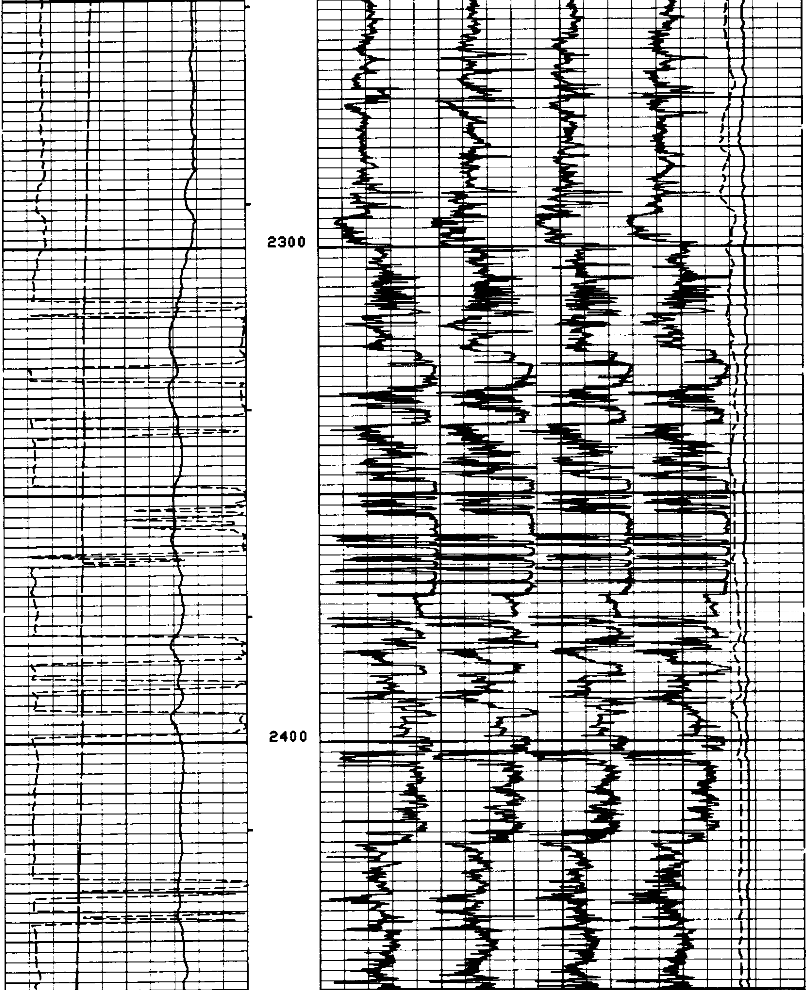


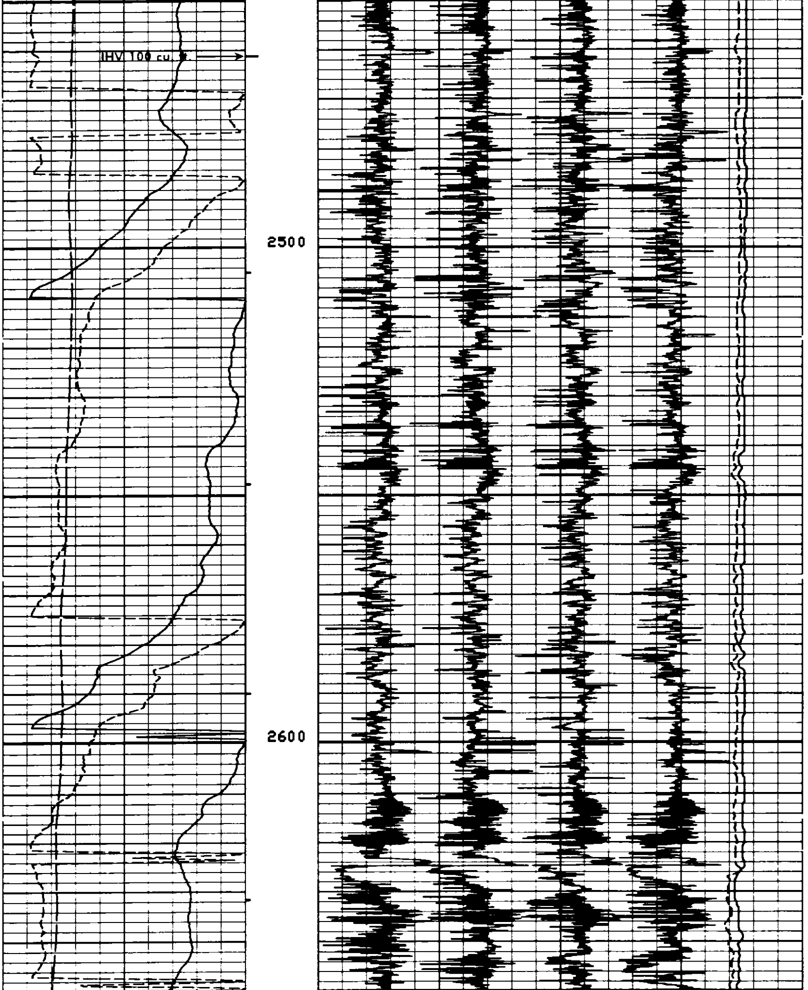


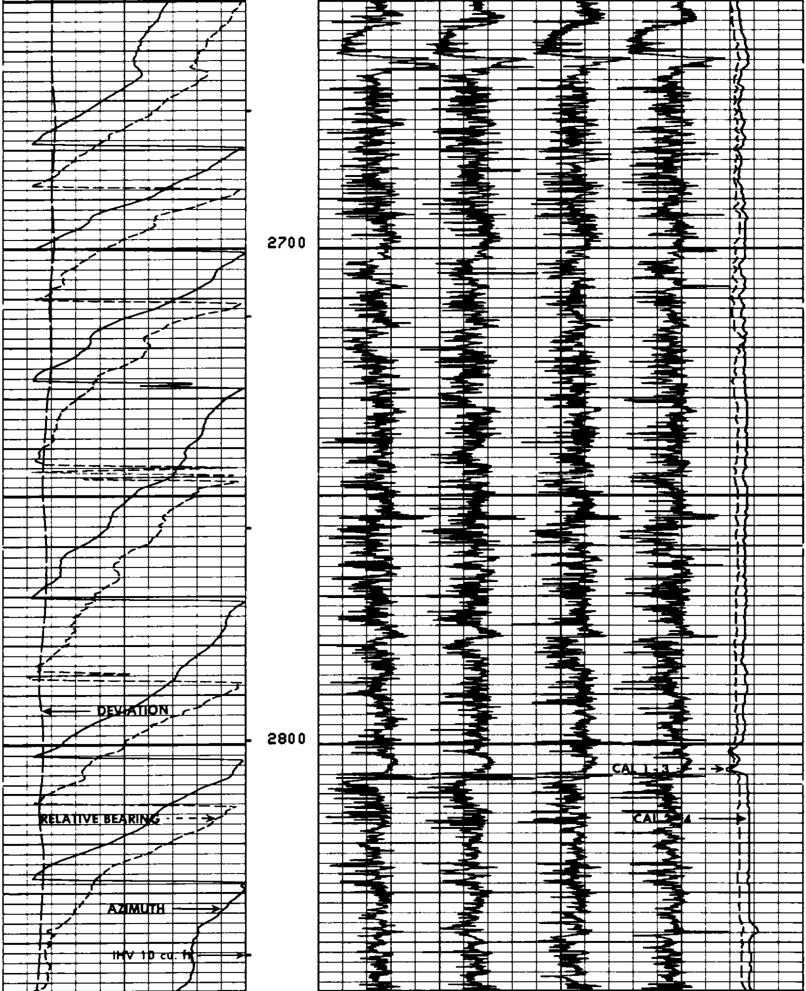


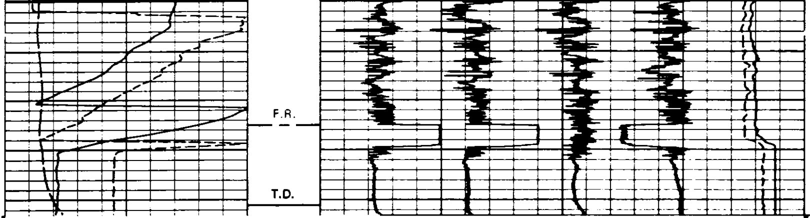












FILE

5

DEVI(DEG)
-3.000 27.00
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				

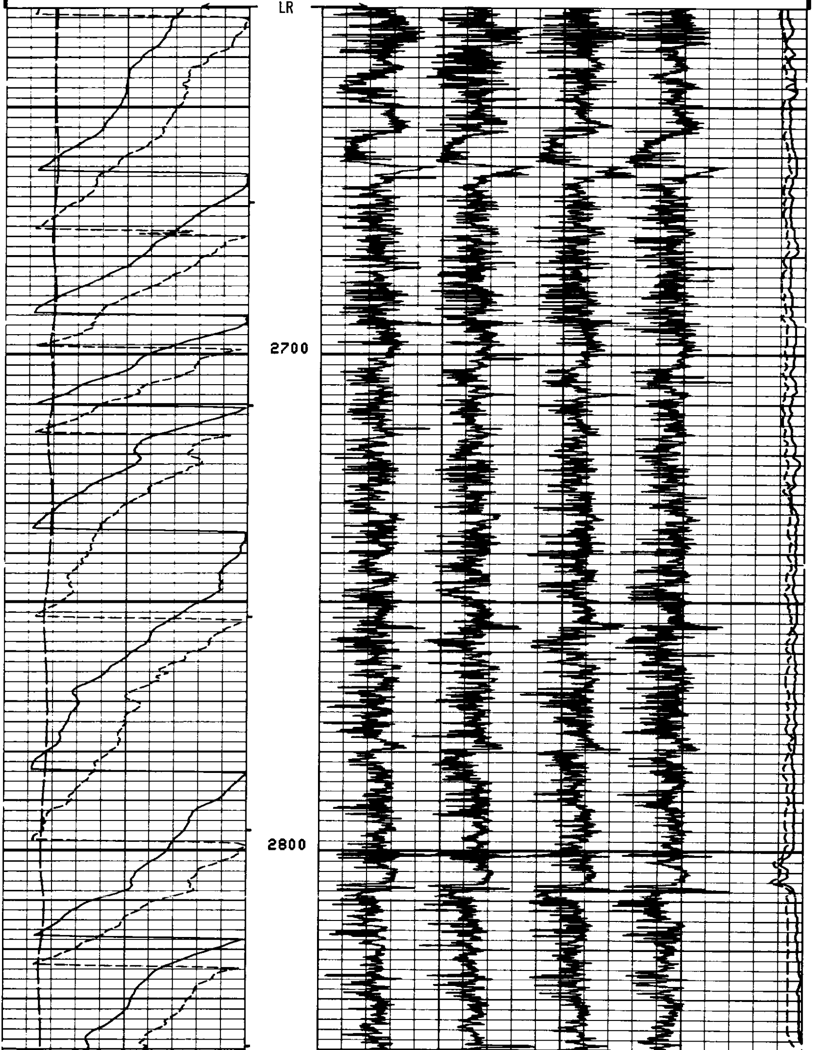
REPEAT SECTION

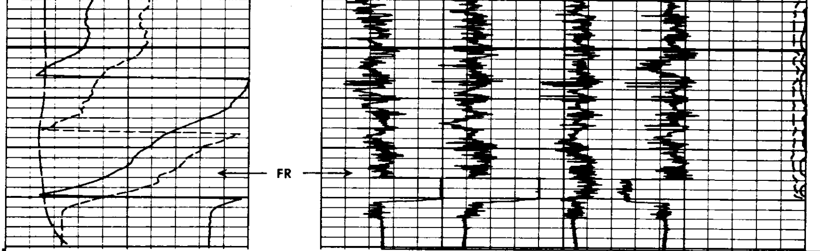
DEVI(DEG)
-3.000 27.00
RB (DEG)
-40.00 360.0
AZIM(DEG)
-40.00 360.0

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

FILE

4





FILE

4

Curve	Left	Right
DEVI(DEG)	-3.000	27.00
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

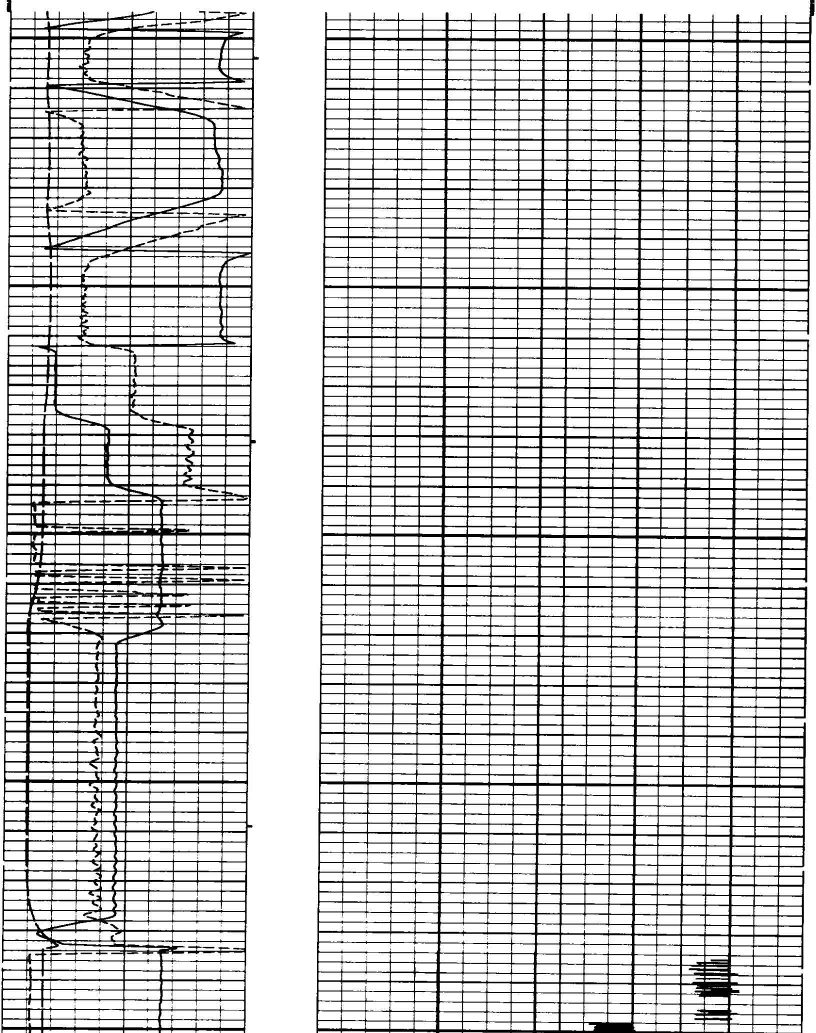
NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	BS	6.250	IN
BHS	OPEN		STYP	HDSD	
DO	0.0				

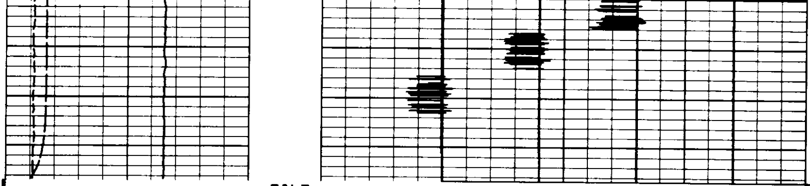
CALIBRATION BEFORE SURVEY

Curve	Left	Right
DEVI(DEG)	-3.000	27.00
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

DEVI(DEG)			C2 (IN)		
-3.000	27.00		26.00	6.000	
RB (DEG)			C1 (IN)		
-40.00	360.0		26.00	6.000	
AZIM(DEG)					
-40.00	360.0				

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: 82/07/20
PROGRAM FILE: HDT (VERSION 20.2 81/ 1/30)

HDT CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
C1	8.7	13.6	8.0	12.0	IN
C2	8.6	13.3	8.0	12.0	IN

FILE

2

COMPANY REICHHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY #4 (REDRILL #1)
FIELD MIST
COUNTY COLUMBIA STATE OREGON

SCHL. FR 2875.0
SCHL. TD 2891.0
DRLR. TD 2896.0

Elev: KB 765.0
DF N/A
GL 753.6