CC 32-33-75 + RD 1

Schlumberger

HIGH RESOLUTION DIPMETER

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

OTHER SERVICES-
DIL
BHC

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 '

PROGRAM
TAPE NO:
22.2
SERVICE
ORDER NO:
304031

DATE:	11 AUG 82
RUN NO:	1
DEPTH-DRILLER:	3030.0 '
DEPTH-LOGGER:	3030.0 '
BTM. LOG INTERVAL:	3016.0 '
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:	1.371 OHMM AT 98.0 DEGF
RMF AT BHT:	1.257 OHMM AT 98.0 DEGF
RMC AT BHT:	1.106 OHMM AT 98.0 DEGF

TIME CIRC. STOPPED:	1000 8/11
TIME LOGGER ON BTM.:	1450 8/11
MAX. REC. TEMP:	98.0 DEGF
LOGGING UNIT NO:	8076
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	COLLINS
WITNESSED BY:	WILLIAMS

REMARKS:

REPEAT TAKEN AT TOP OF HOLE

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

3

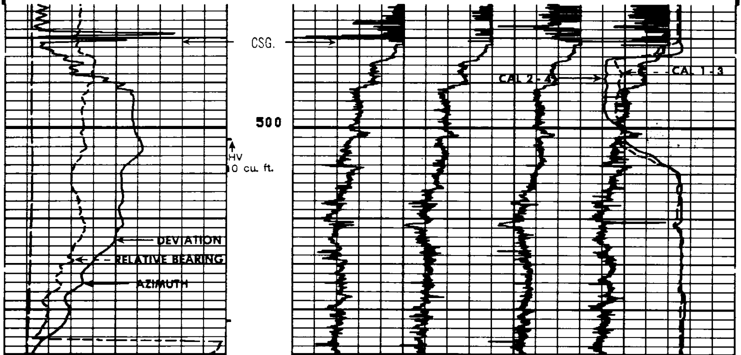
CHANGED PARAMETERS

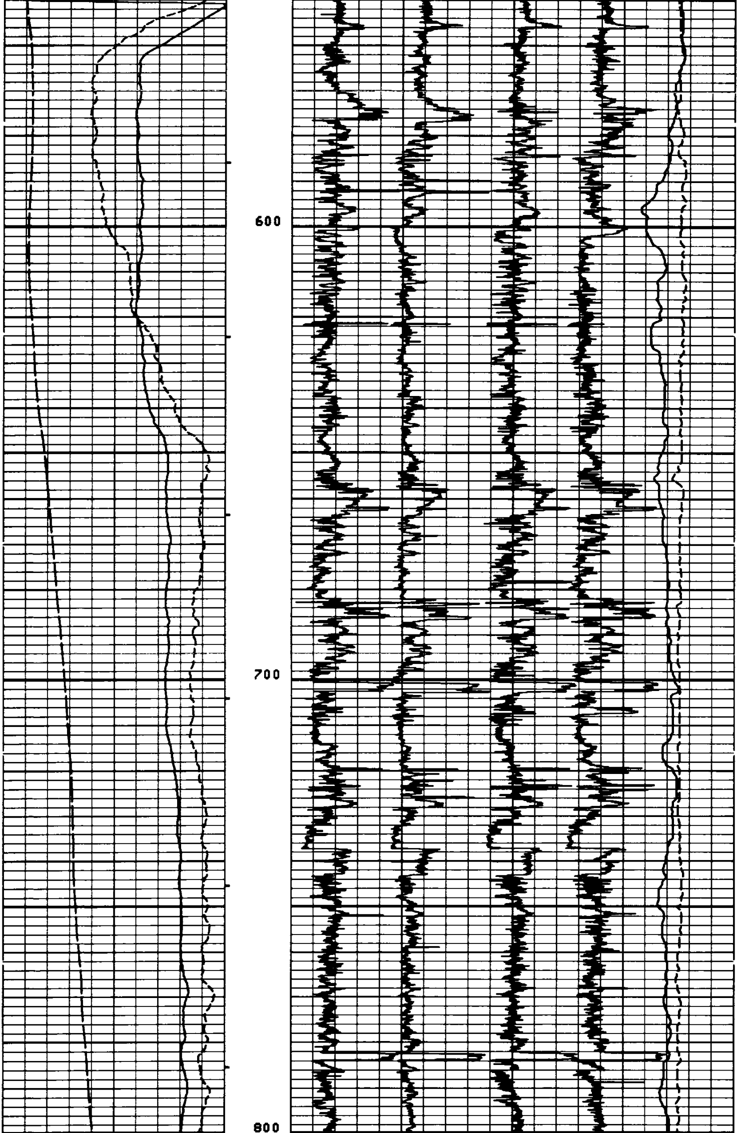
NAME	VALUE	UNIT	NAME	VALUE	UNIT
VHOL	589.910	F3			

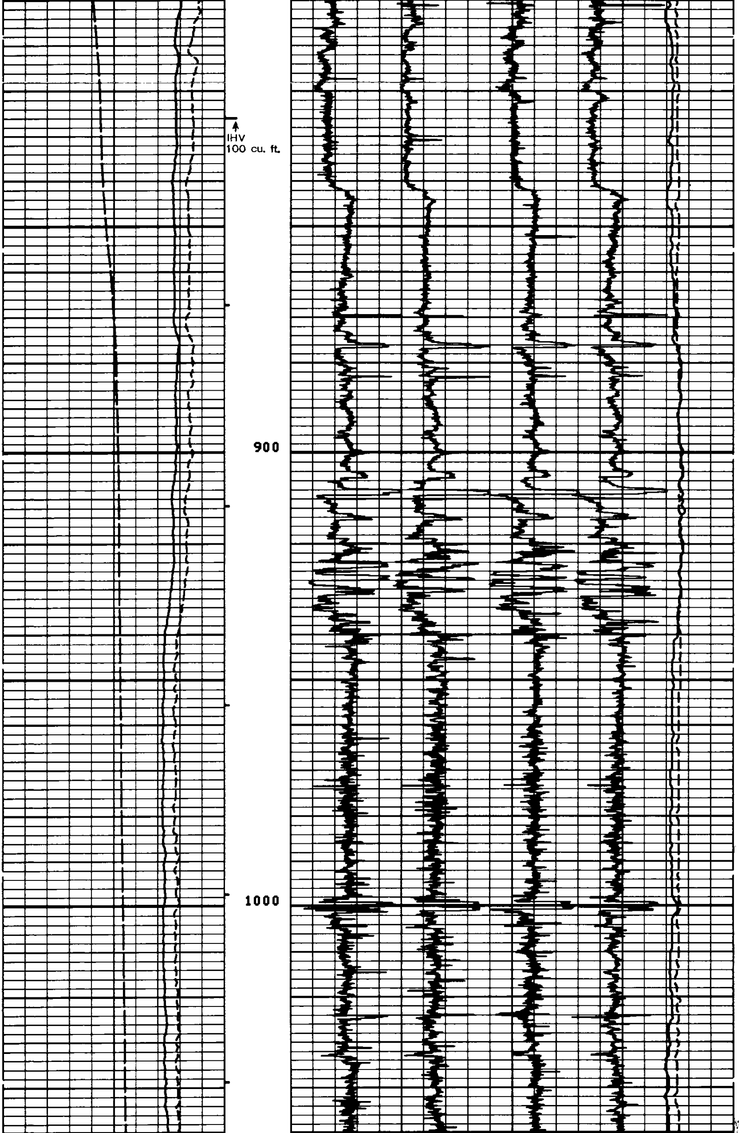
DEVI(DEG)			
-3.000	27.000		
RB (DEG)		C2 (IN)	
-40.00	360.00	24.000	4.0000
AZIM(DEG)		C1 (IN)	
-40.00	360.00	24.000	4.0000

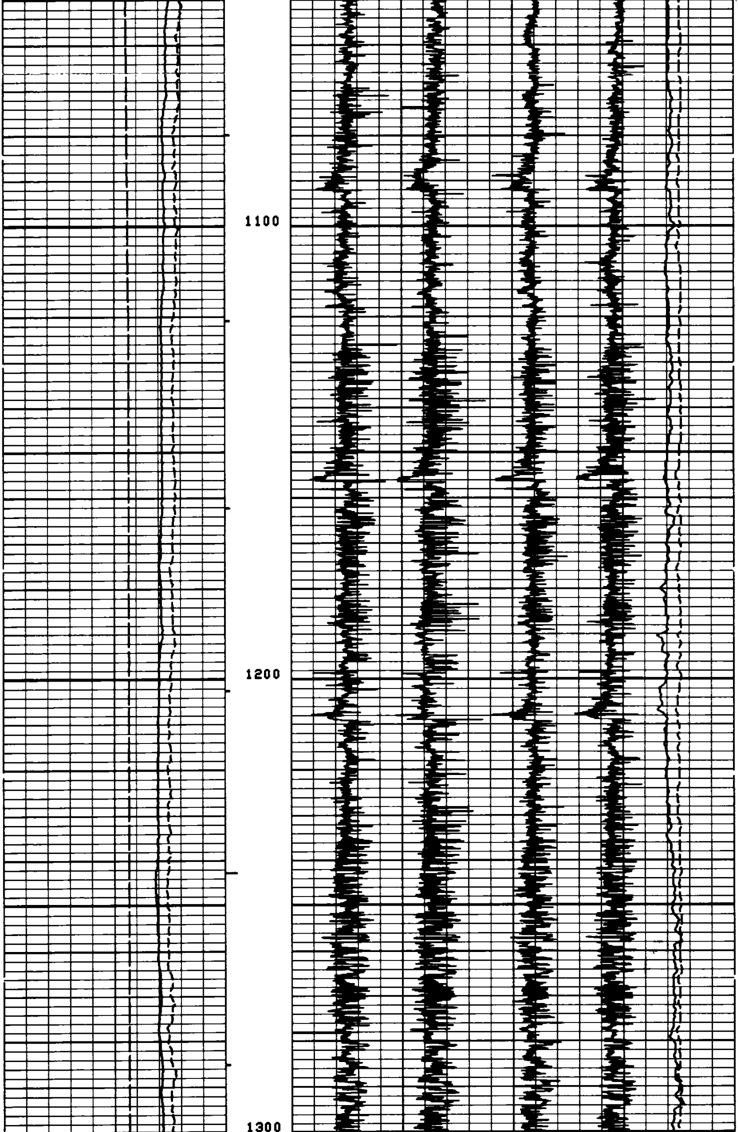
FILE

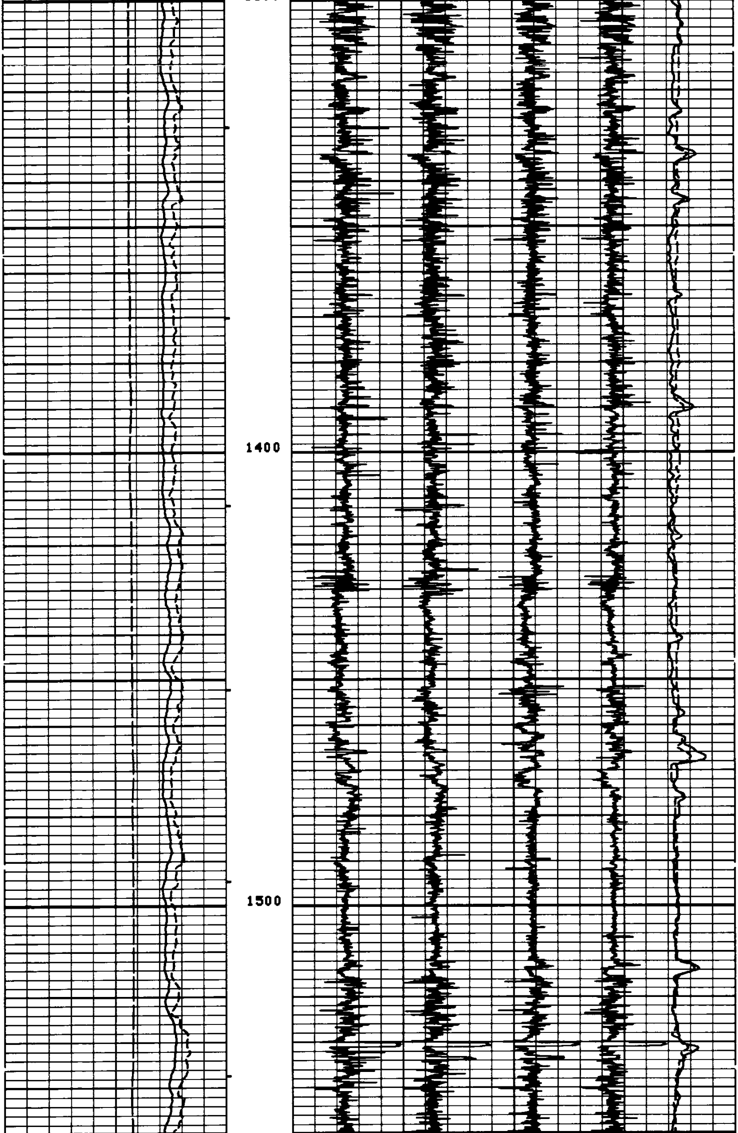
3

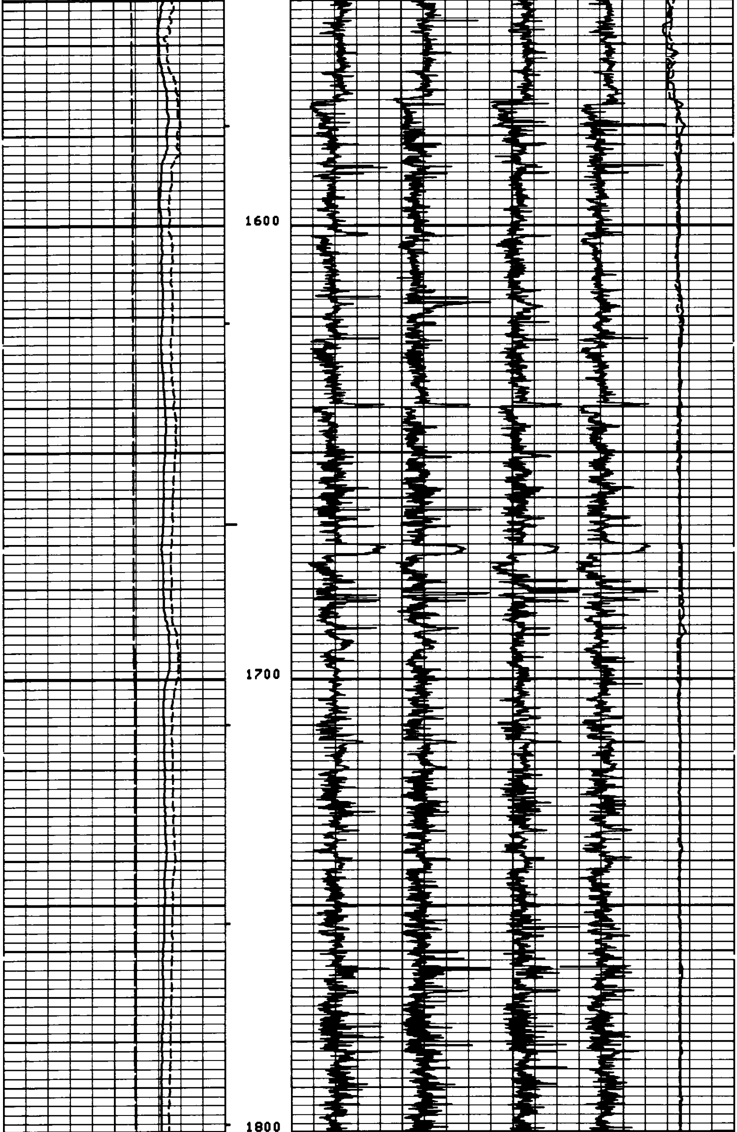


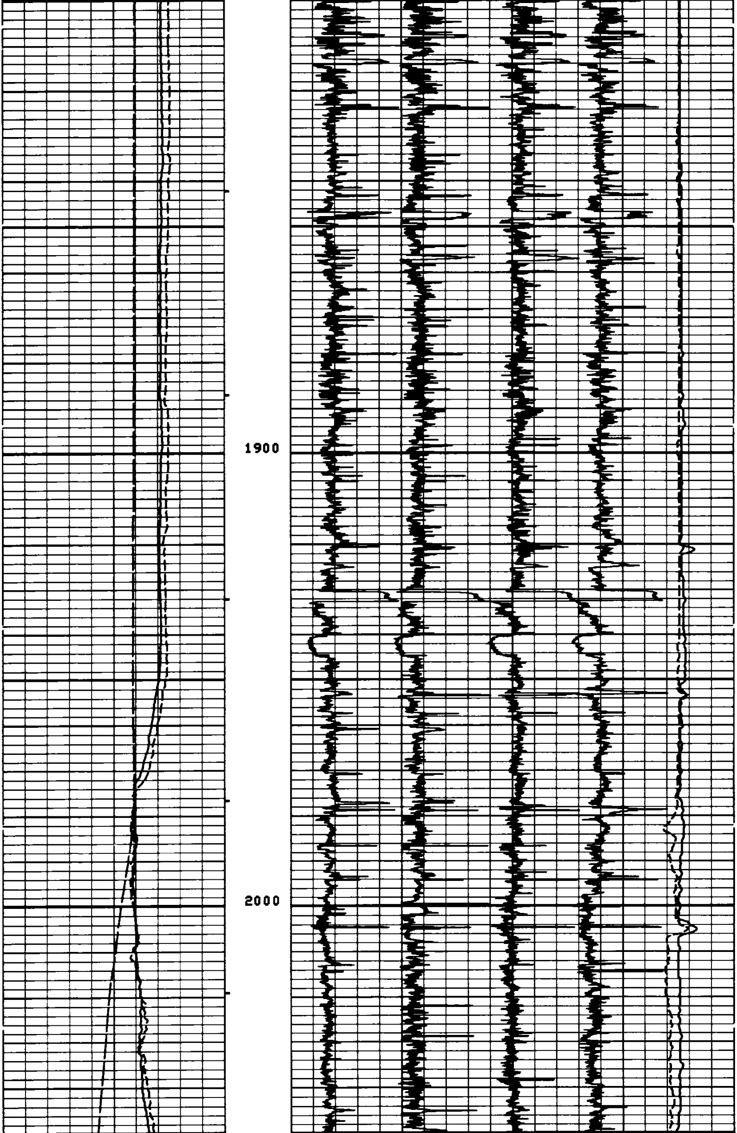


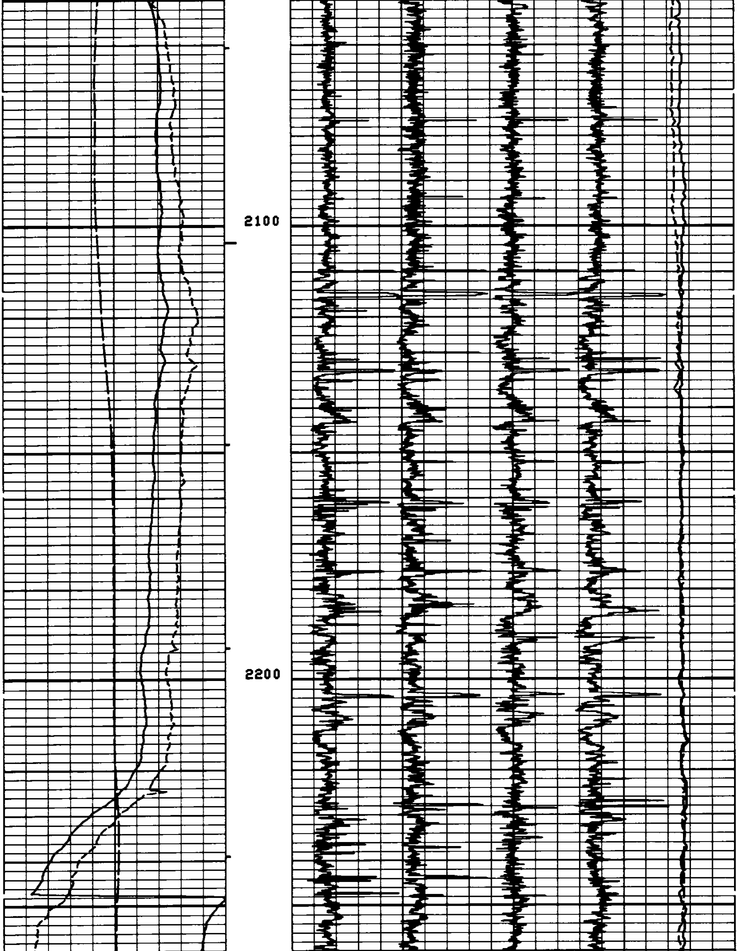


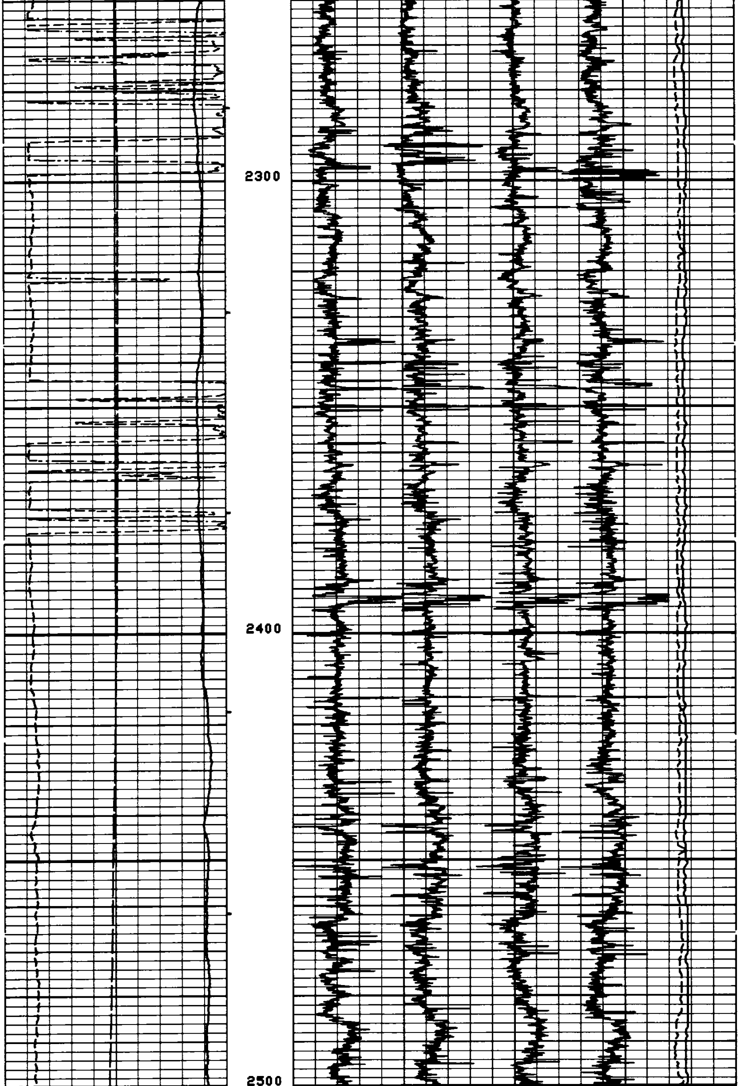


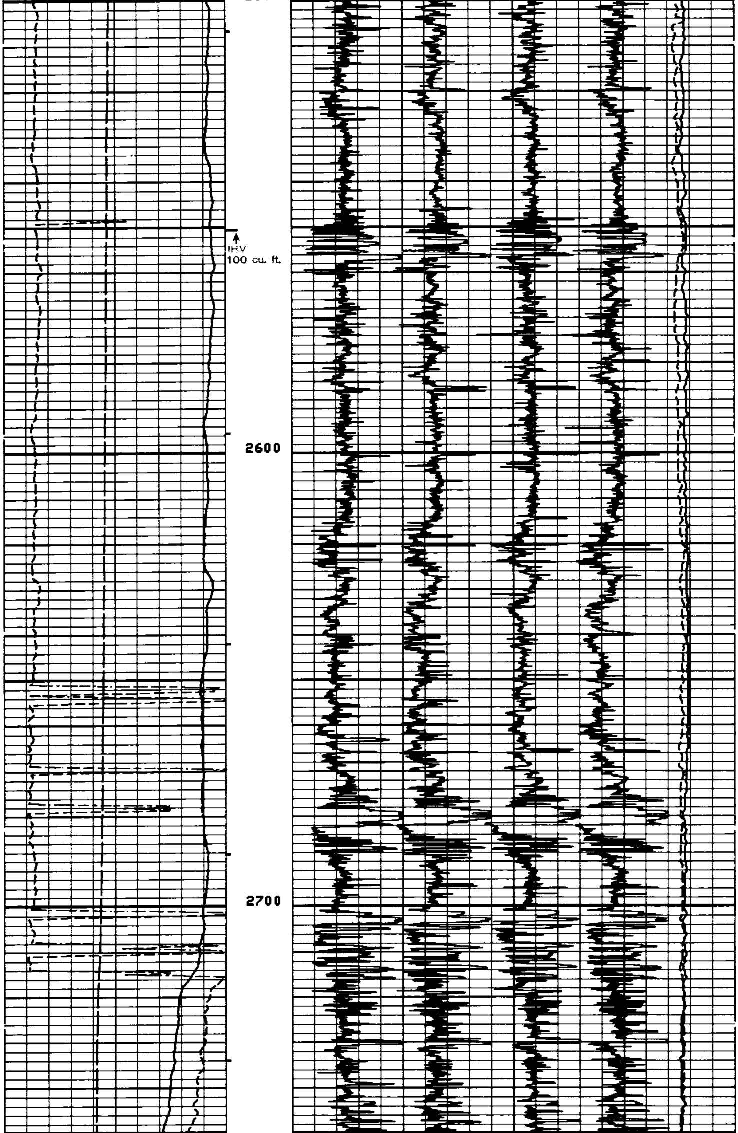


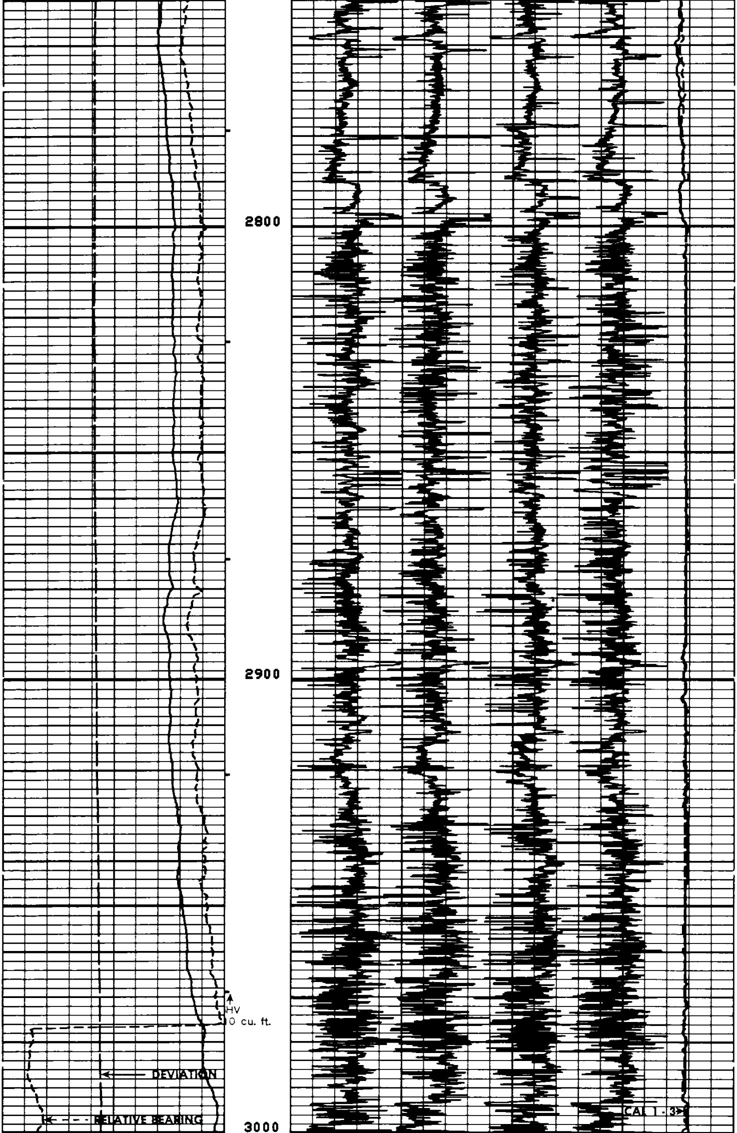


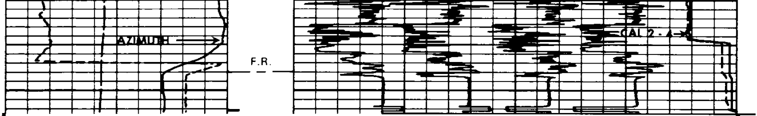












FILE

3

DEVI(DEG)
-3.000 27.000
RB (DEG)
-40.00 360.00
AZIM(DEG)
-40.00 360.00

C2 (IN)
24.000 4.0000
C1 (IN)
24.000 4.0000

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
PVUM	1.00000		BS	6.25000	IN
STYP	HDSD		MCT	36	DEG
DO	0.0	F	BHS	OPEN	

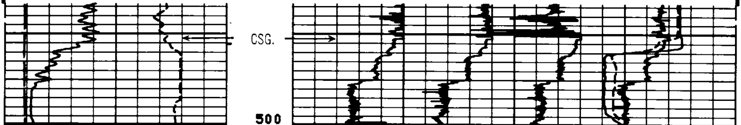
REPEAT SECTION

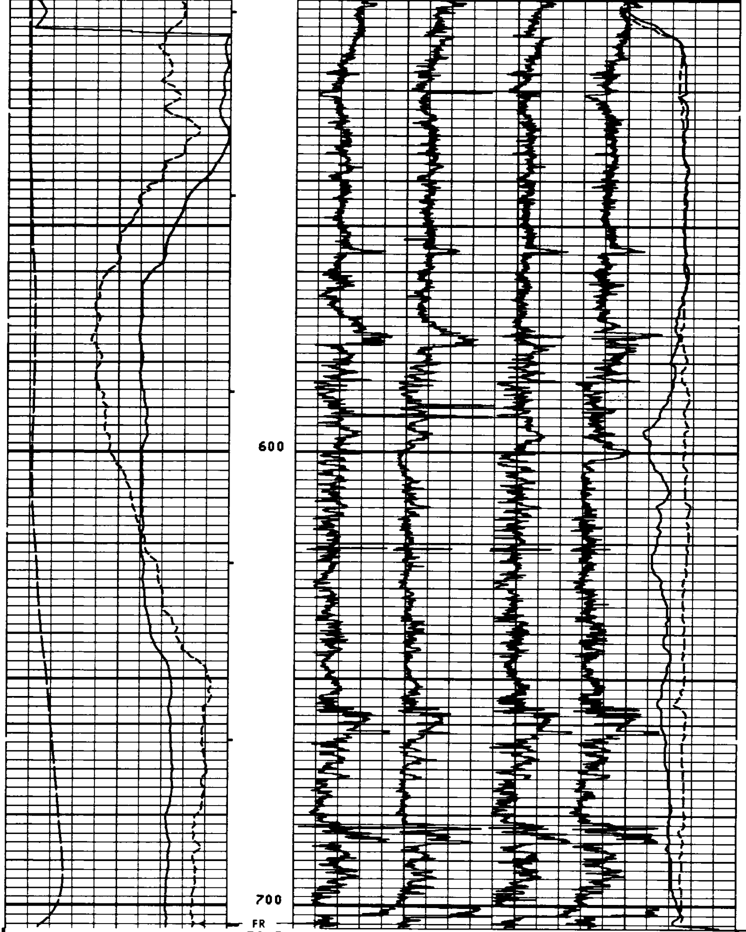
DEVI(DEG)
-3.000 27.000
RB (DEG)
-40.00 360.00
AZIM(DEG)
-40.00 360.00

C2 (IN)
24.000 4.0000
C1 (IN)
24.000 4.0000

FILE

4





FILE

4

DEVI(DEG)			
-3.000	27.000		
RB (DEG)		C2 (IN)	
-40.00	360.00	24.000	4.0000
AZIM(DEG)		C1 (IN)	
-40.00	360.00	24.000	4.0000

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

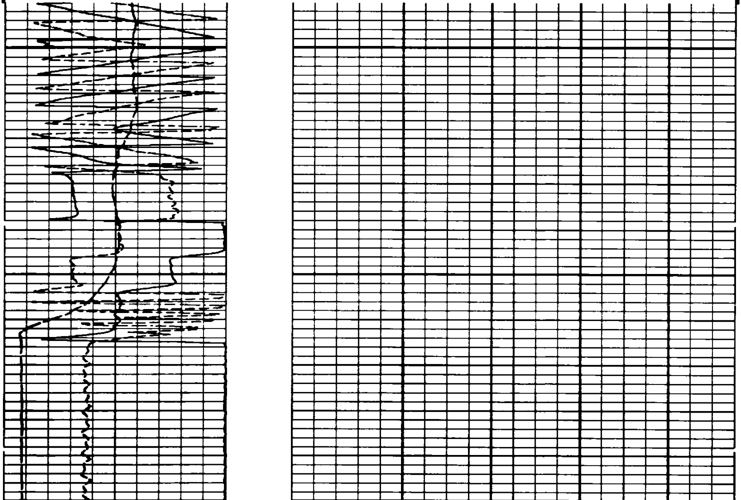
NAME	VALUE	UNIT	NAME	VALUE	UNIT
PVUM	1.00000		BS	6.25000	IN
STYP	HDSD		MCT	36	DEG
DO	0.0	F	BHS	OPEN	

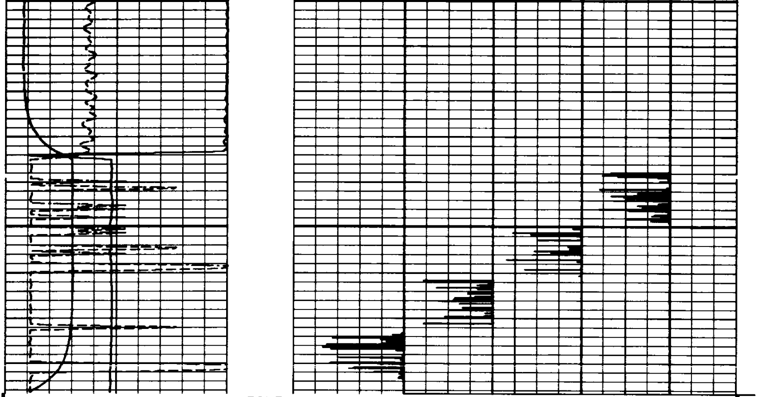
CALIBRATION BEFORE SURVEY

DEVI(DEG)		C2 (IN)	
-1.000	9.0000	26.000	6.0000
RB (DEG)		C1 (IN)	
-40.00	360.00	26.000	6.0000
AZIM(DEG)			
-40.00	360.00		

FILE

2





FILE

2

Curve	Left scale	Right scale
DEVI(DEG)	-1.000	9.0000
RB (DEG)	-40.00	360.00
AZIM(DEG)	-40.00	360.00
C2 (IN)	26.000	6.0000
C1 (IN)	26.000	6.0000

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
PVUM	1.00000		BS	6.25000	IN
STYP	HDSD		MCT	36	DEG
DO	0.0	F	BHS	OPEN	

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                BEFORE SURVEY CALIBRATION SUMMARY

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


  HDT              CALIPER CALIBRATION SUMMARY

                 MEASURED                       CALIBRATED
              SMALL   LARGE                  SMALL     LARGE        UNITS
     C1        9.1    13.7                    8.0      12.0          IN
     C2        8.8    13.4                    8.0      12.0          IN
                         FILE

                           1
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COMPANY REICHHOLD ENERGY CORP.

WELL COLUMBIA COUNTY 32-33 REDRILL #1

FIELD MIST

COUNTY COLUMBIA STATE OREGON

SCHL. FR 3016.0'

SCHL. TD 3030.0'

DRLR. TD 3030.0'

Elev: KB 1104.2'

DF N/A

GL 1092.8'

-end-