Schlumberger

CONTINIOUS DIPMETER

CSU

COMPANY: REICHHOLD ENERGY CORPORATION

WELL: CROWN ZELLERBACH #23-26

FIELD: PITTSBURG
COUNTY: COLUMBIA
STATE: OREGON

LOCATION: 2092.6'EAST & 357.05'SOUTH
FROM THE W 1/4 CORNER OF
SEC: 26 TWP: 6N RGE: 4W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 1130.8 '
LOG MEASURED FROM: KB
11.4 ' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 1142.2 '
DF:
GL: 1130.8 '

DATE: 16 JAN 1984
RUN NO: 1

OTHER SERVICES-
BHC
DIL

PROGRAM
TAPE NO:
24.2
SERVICE
ORDER NO:
382954

DEPTH-DRILLER: 4379.0 '
DEPTH-LOGGER: 4378.0 '
BTM. LOG INTERVAL: 4376.0 '
TOP LOG INTERVAL: 1183.0 '

CASING-DRILLER: 1183 '
CASING-LOGGER: 1183 '
CASING: 8.625

BIT SIZE: 7.875
DEPTH: 4379 '

RECEIVED-PTLD
FEB 15 1984
DEPT OF GEOLOGY
& MINERAL INDUS

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 10.0 LB/G
VISCOSITY: 47.0 S
PH: 9.5
FLUID LOSS: 7.4 C3
SOURCE OF SAMPLE: CIRC.
RM: 2.990 OHMM AT 58.0 DEGF
RMF: 2.910 OHMM AT 57.0 DEGF
RMC: 2.940 OHMM AT 57.0 DEGF
SOURCE RMF/RMC: MEAS. /MEAS.
RM AT BHT: 1.850 OHMM AT 98.0 DEGF
RMF AT BHT: 1.773 OHMM AT 98.0 DEGF
RMC AT BHT: 1.792 OHMM AT 98.0 DEGF

TIME CIRC. STOPPED:	1245
TIME LOGGER ON BTM.:	1615
MAX. REC. TEMP:	98.0 DEGF
LOGGING UNIT NO:	8178
LOGGING UNIT LOC:	SACRAMENTO
RECORDED BY:	ANDERSEN
WITNESSED BY:	ALGER/THOMAS

REMARKS:

EQUIPMENT NUMBERS-

DAM 1891 HDMJ 729 HDSH 727

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

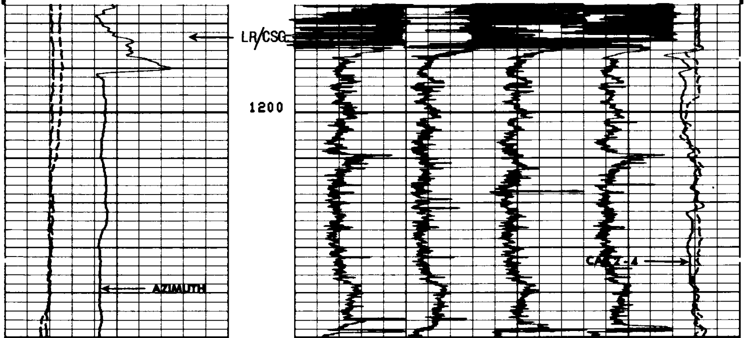
101

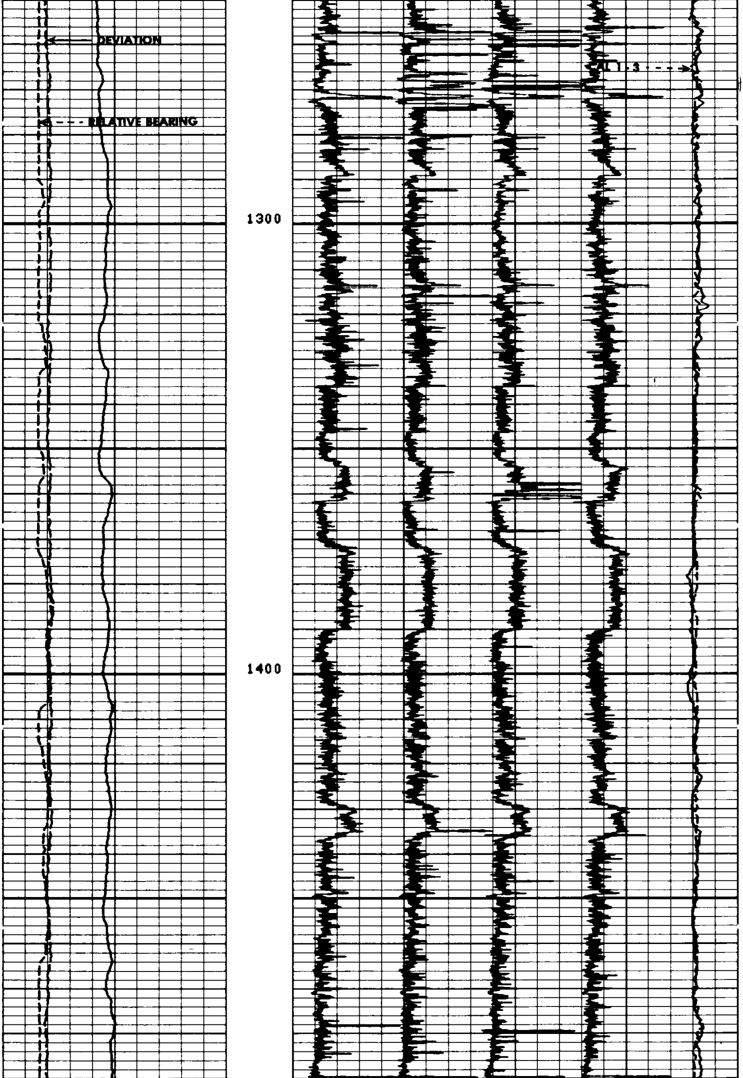
CHANGED PARAMETERS

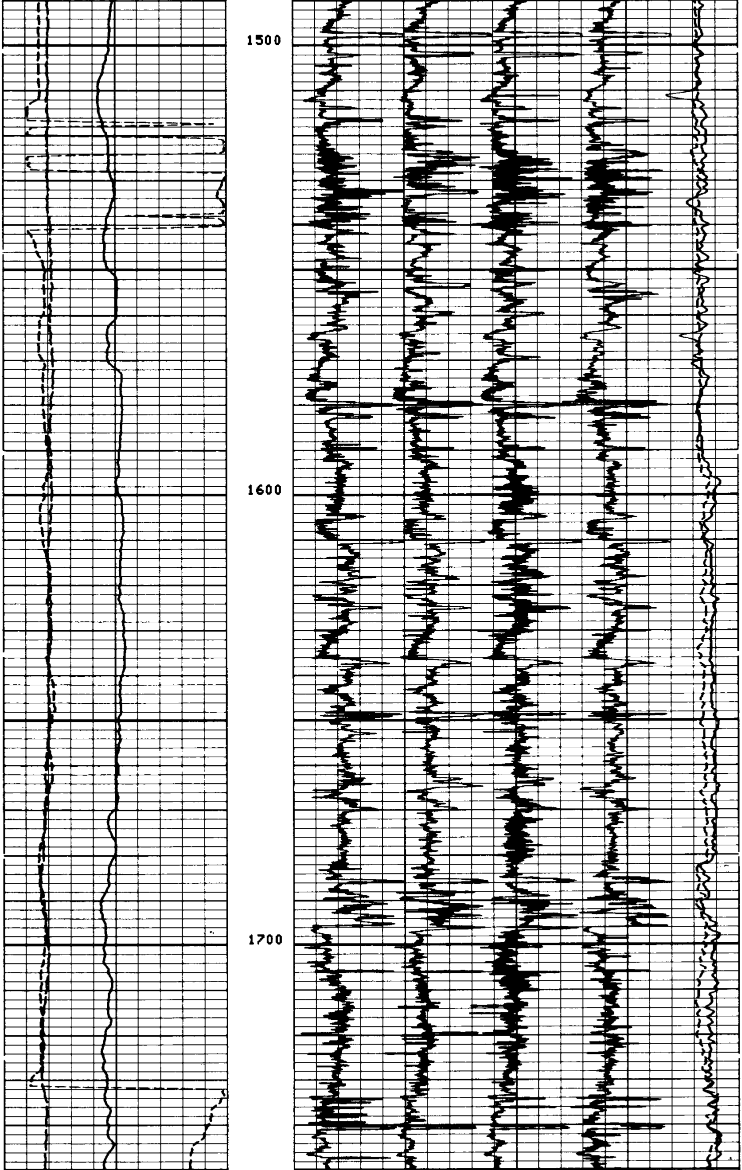
NAME VALUE UNIT DEPTH (F)			NAME VALUE UNIT DEPTH (F)	
DEVI(DEG)				
-1.000	9.0000			
RB (DEG)			C2 (IN)	
-40.00	360.00		26.000	6.0000
AZIM(DEG)			C1 (IN)	
-40.00	360.00		26.000	6.0000

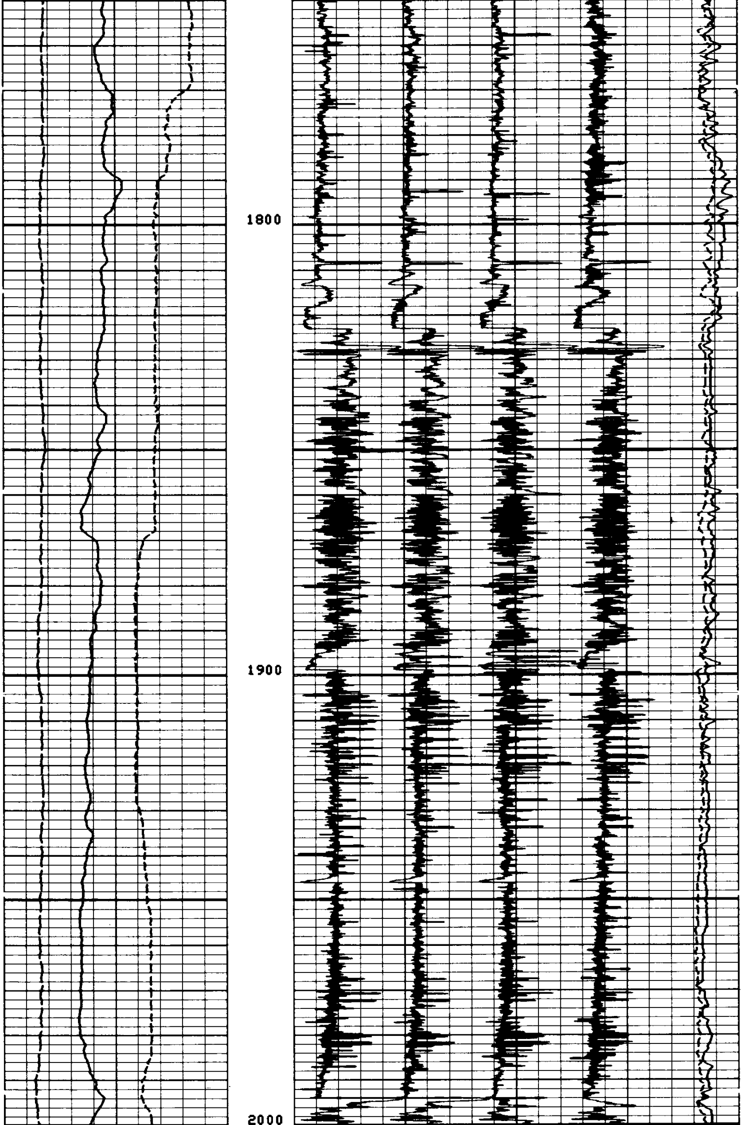
FILE

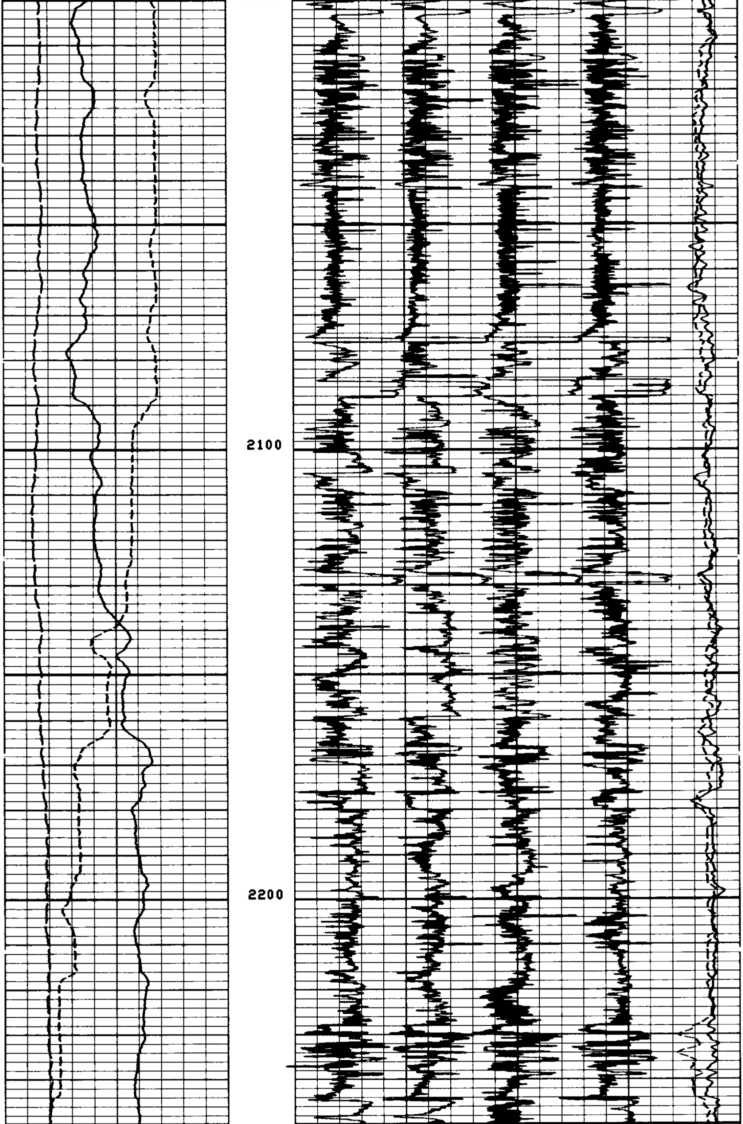
5

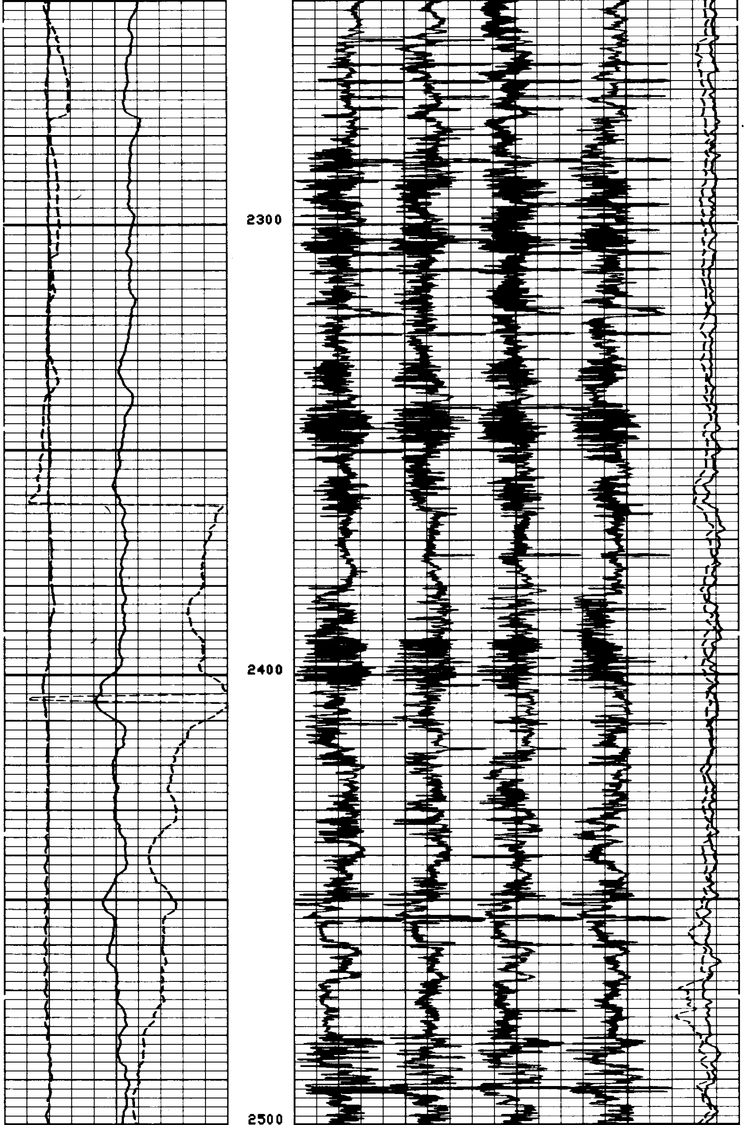


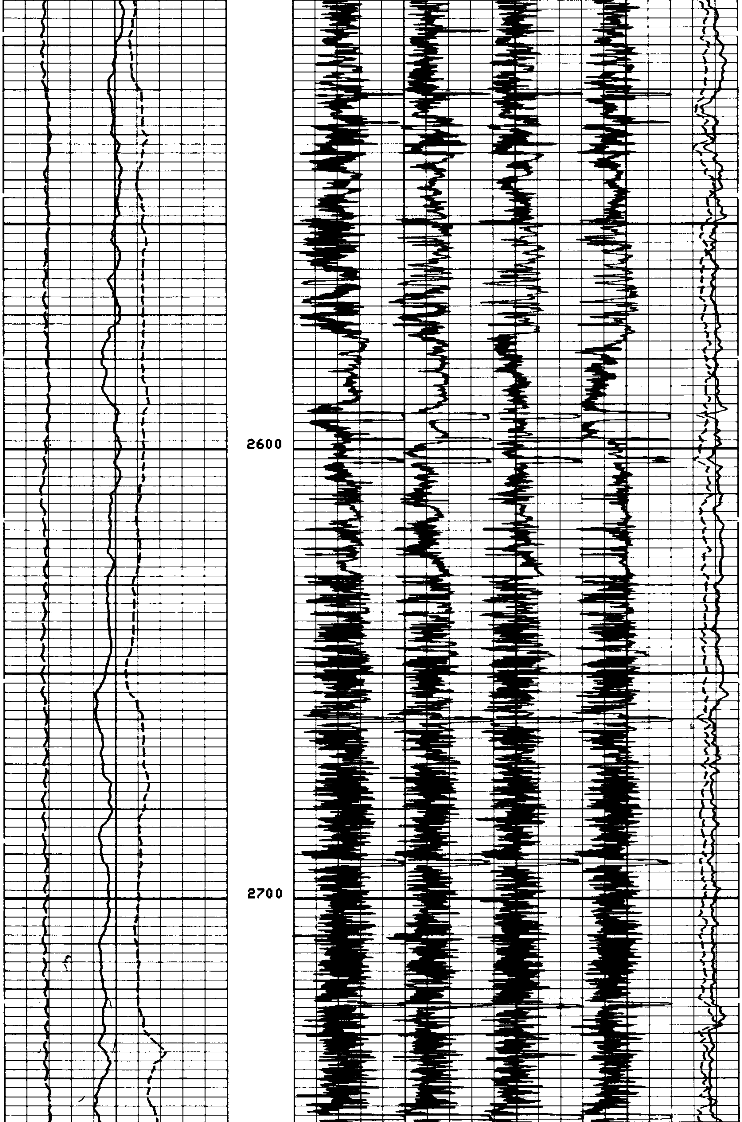


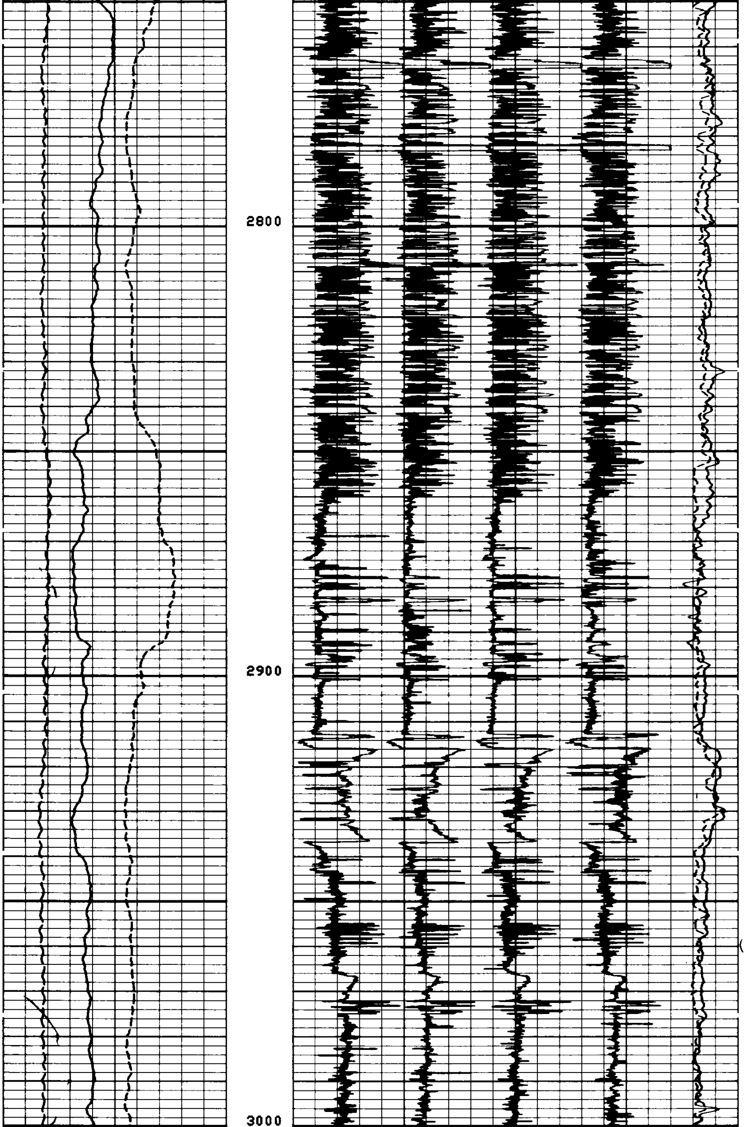


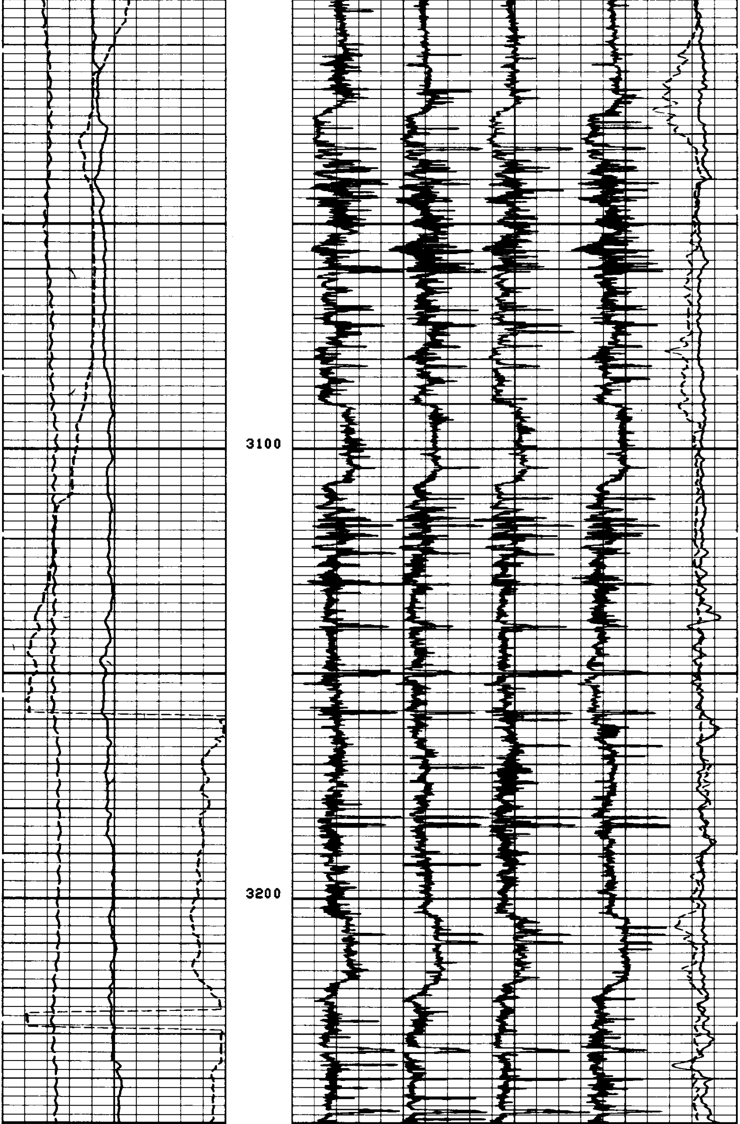


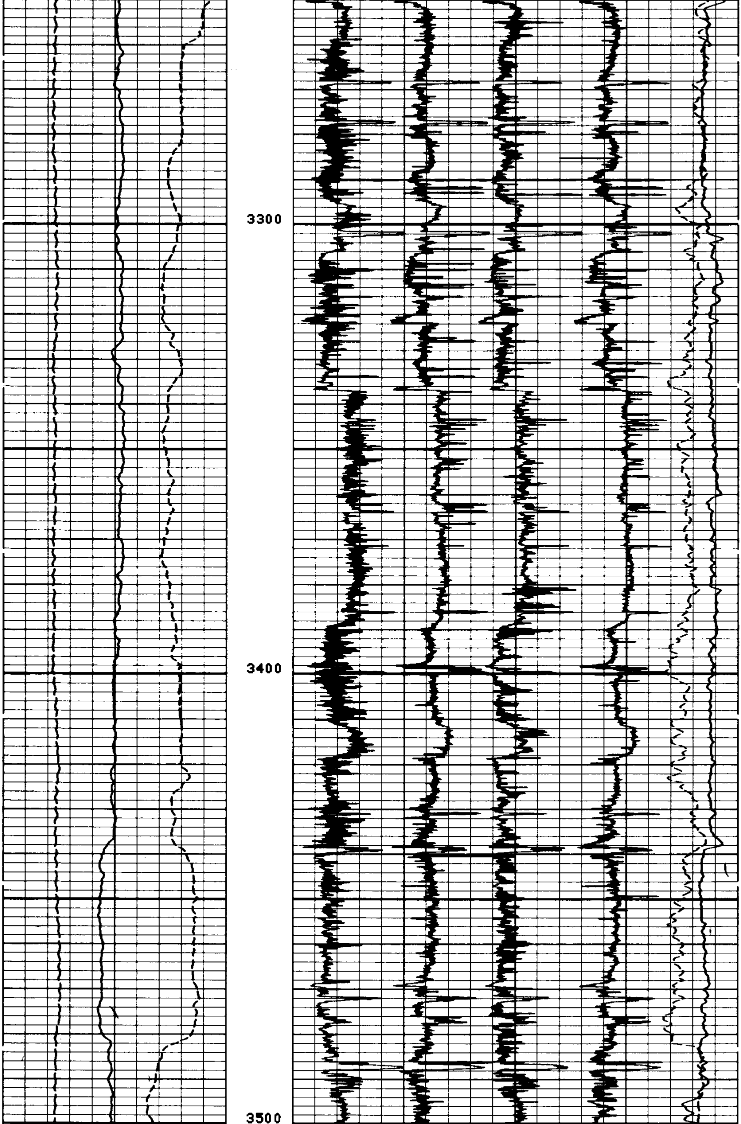


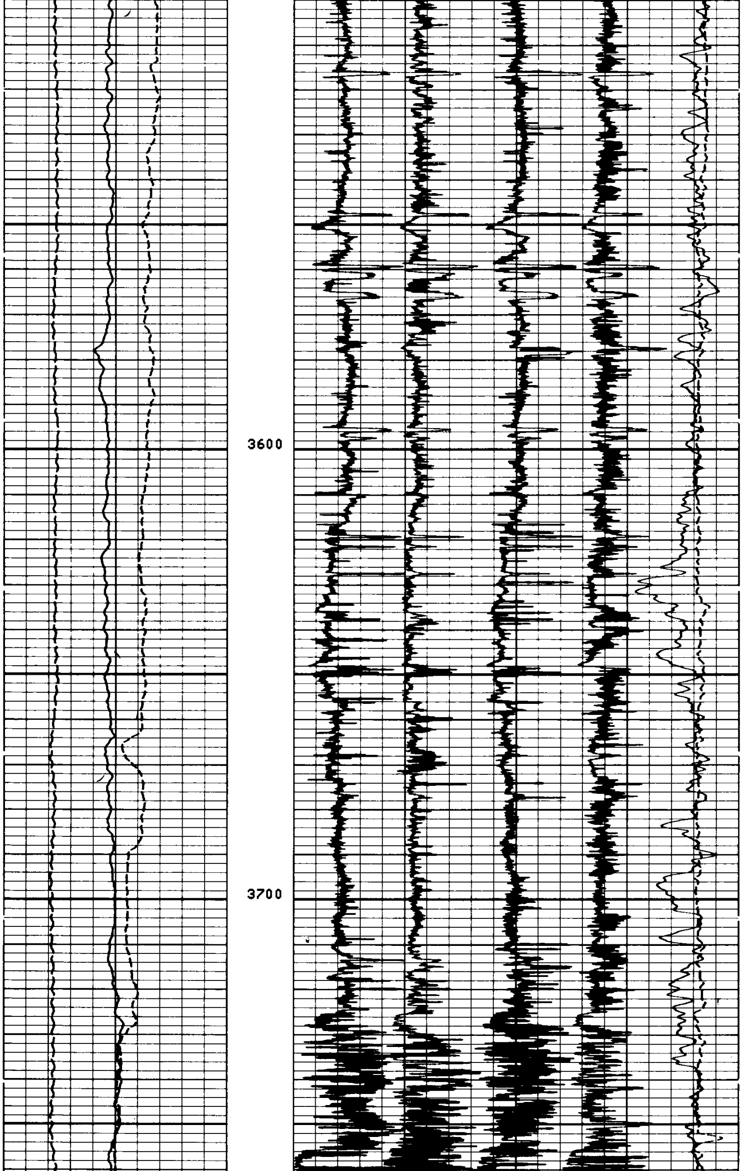


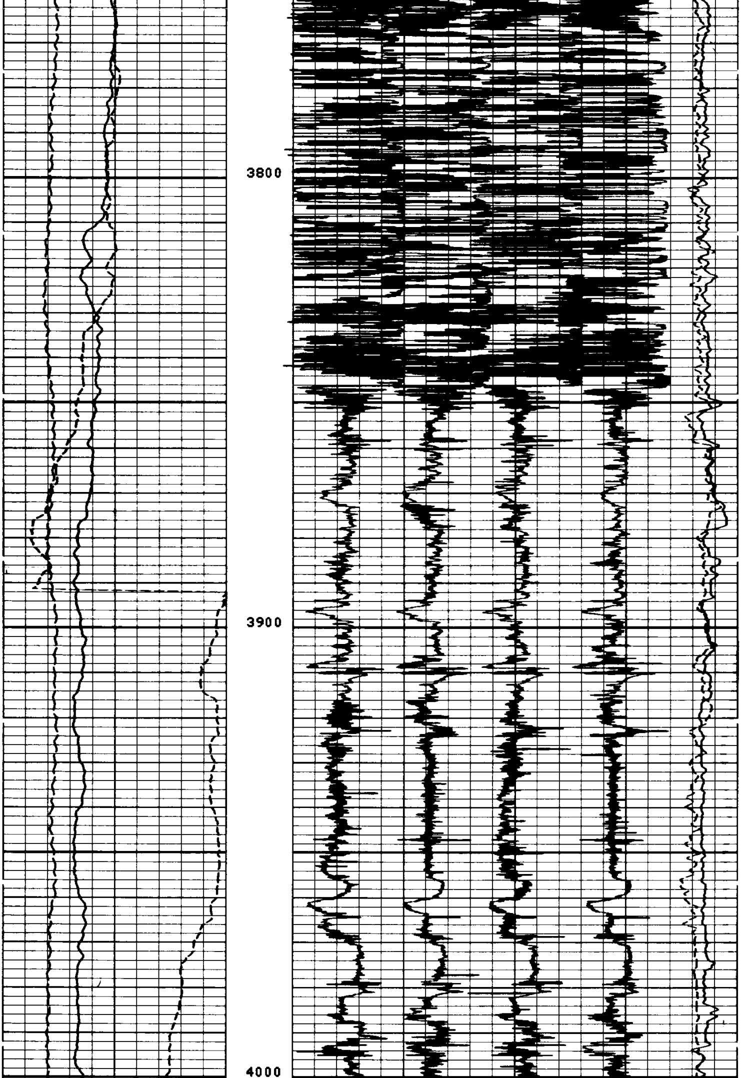


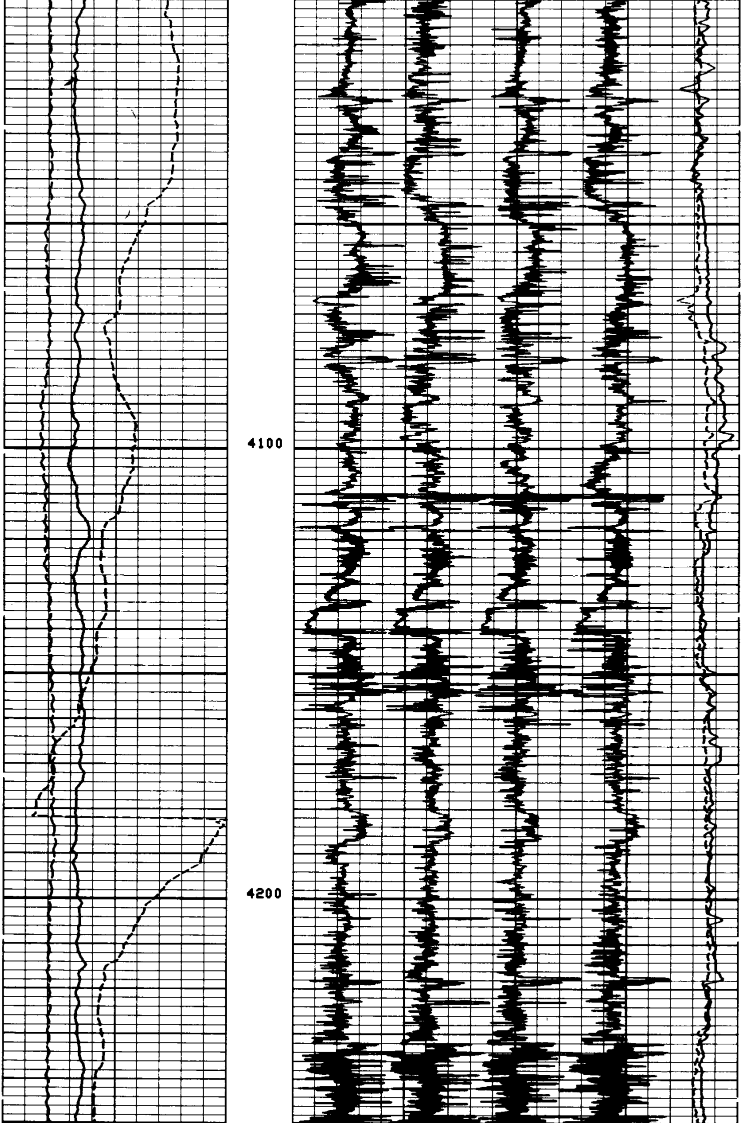


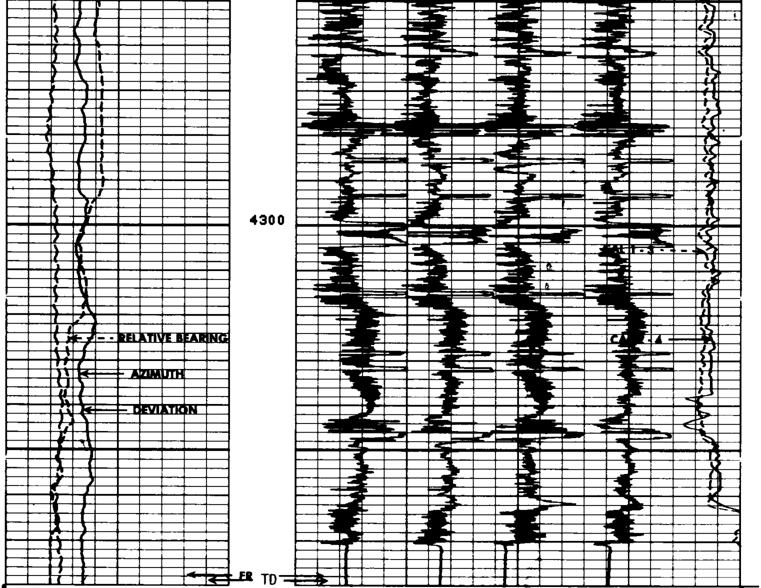












FILE

5

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	7.87500	IN
STYP	HDSF		MCT	72	DEG
DO	0.0	F	BHS	OPEN	

CHANGED PARAMETERS

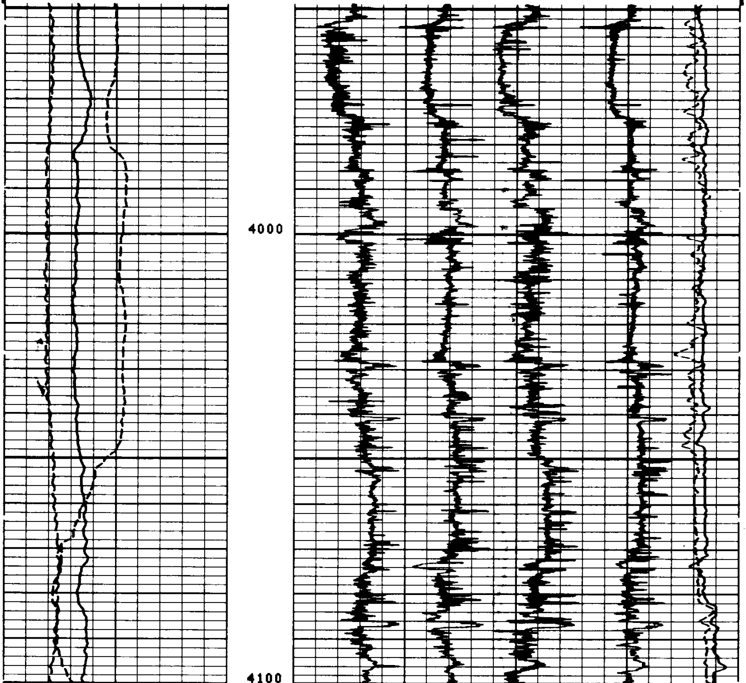
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)

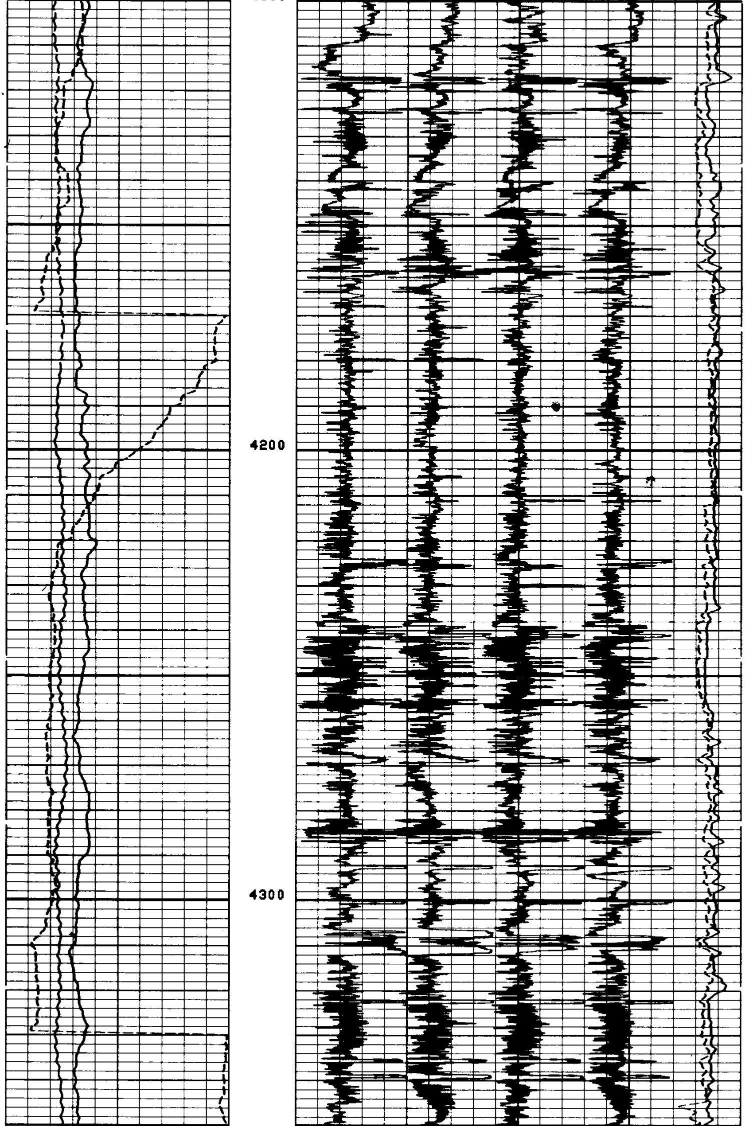
DEVI(DEG)
-1.000 9.0000
RB (DEG)
-40.00 360.00
AZIM(DEG)
-40.00 360.00

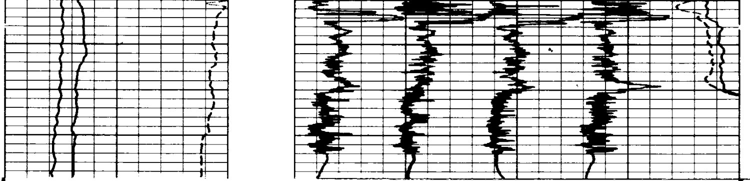
C2 (IN)
26.000 6.0000
C1 (IN)
26.000 6.0000

FILE
4

REPEAT SECTION







FILE

4

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

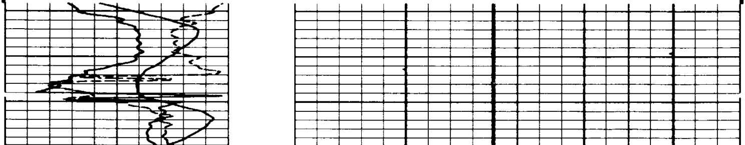
NAME	VALUE	UNIT	NAME	VALUE	UNIT
PVUM	1.00000		BS	7.87500	IN
STYP	HDSF		MCT	72	DEG
DO	0.0	F	BHS	OPEN	

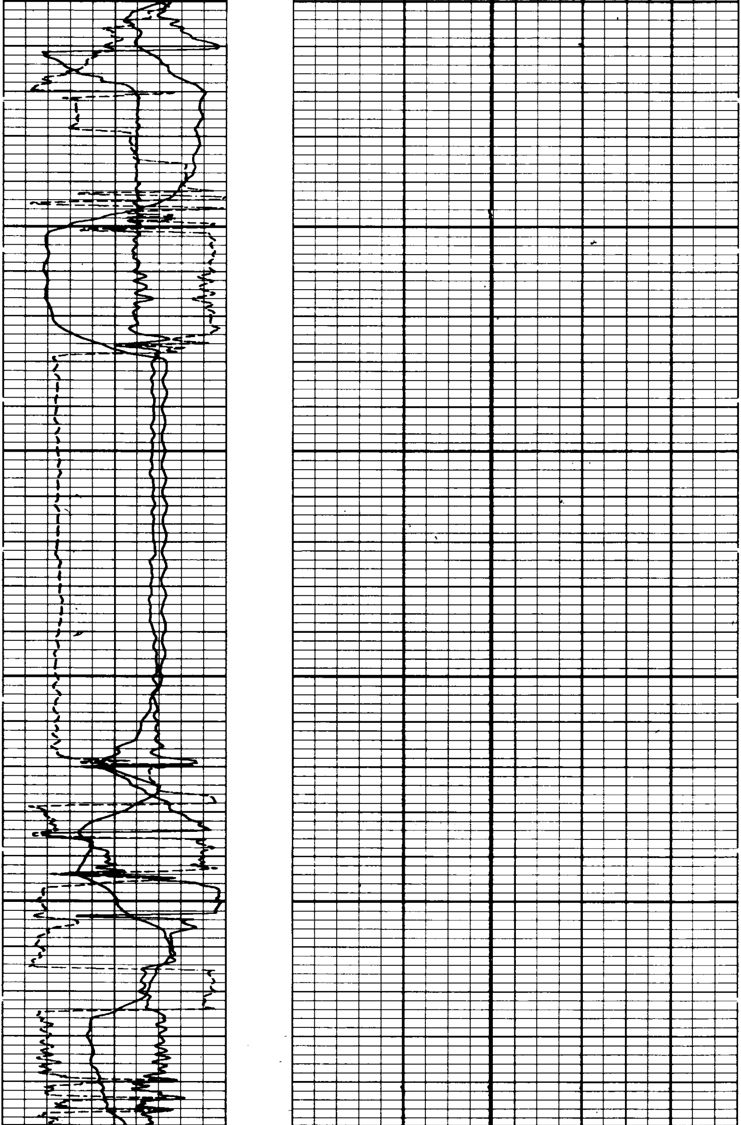
DEVI(DEG)
-1.000 9.0000
RB (DEG)
-40.00 360.00
AZIM(DEG)
-40.00 360.00

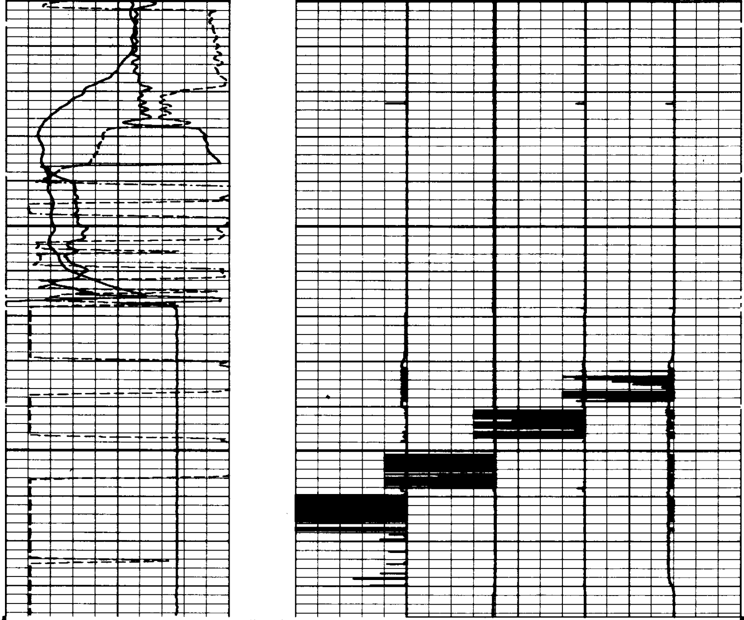
C2 (IN)
26.000 6.0000
C1 (IN)
26.000 6.0000

FILE

2







FILE

2

DEVI(DEG)		C2 (IN)	
-1.000	9.0000		
RB (DEG)			
-40.00	360.00	26.000	6.0000
AZIM(DEG)		C1 (IN)	
-40.00	360.00	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	7.87500	IN
STYP	HDSF		MCT	72	DEG
DO	0.0	F	BHS	OPEN	

```
                BEFORE SURVEY CALIBRATION SUMMARY

   PERFORMED:       84/01/16
   PROGRAM FILE: HDT     (VERSION    24.2    83/03/29)

HDTF                 CALIPER CALIBRATION SUMMARY

             MEASURED                        CALIBRATED
          SMALL    LARGE                 SMALL       LARGE         UNITS
     C1    7.4     14.6                   6.0         12.0          IN
     C2    8.5     14.9                   6.0         12.0          IN
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CALIBRATION RECORD

COMPANY REICHHOLD ENERGY CORP.

WELL CROWN ZELLERBACK #23-26

FIELD PITTSBURG

COUNTY COLUMBIA STATE OREGON

SCHL. FR 4376.0

SCHL. TD 4378.0

DRLR. TD 4379.0

Elev: KB 1142.2

DF N/A

GL 1130.8