CC 41-06-55

Schlumberger

DIPMETER

CSU Field Log

COMPANY: ARCO EXPLORATION AND TECHNOLOGY COMPANY

WELL: "COLUMBIA COUNTY" #41-6

FIELD: MIST GAS
COUNTY: COLUMBIA
STATE: OREGON
NATION: U.S.A.
LOCATION: S87D14M54SW 306.15' S2D45M
6SE 49.13' FR NE COR
SEC: 6 TWP: 5N RGE: 5W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 815.4 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 827.4 F
DF: 826.4 F
GL: 815.4 F

DATE: 22 JAN 86
RUN NO: 1

OTHER SERVICES-
DIL-BHC
LDT-CNL-GR
VSP

PROGRAM
TAPE NO:
28.4
SERVICE
ORDER NO:
4323117

RECEIVED - PTLD
JAN 23 1986
DEPT. OF GEOLOGY
& MINERAL INDUS.

DEPTH-DRILLER:	2750.0 F		
DEPTH-LOGGER:	2740.0 F		
BTM. LOG INTERVAL:	2738.0 F		
TOP LOG INTERVAL:	453.0 F		
CASING-DRILLER:	454.0 F	0.0 F	0.0 F
CASING-LOGGER:	453.0 F	0.0 F	0.0 F
CASING:	9 5/8"		
BIT SIZE:	8 3/4"		
DEPTH:	2750.0 F	0.0 F	0.0 F

TYPE FLUID IN HOLE:	GEL/POLYMER
DENSITY:	10.30 LB/G
VISCOSITY:	47.0 S
PH:	9.5
FLUID LOSS:	5.0 C3
SOURCE OF SAMPLE:	FLOWLINE
RM:	2.870 OHMM AT 66.0 DEGF
RMF:	3.040 OHMM AT 42.0 DEGF
RMC:	3.340 OHMM AT 42.0 DEGF
SOURCE RMF/RMC:	MEASURED/MEASURED
RM AT BHT:	1.791 OHMM AT 110. DEGF

RMF AT BHT: 1.273 OHMM AT 110. DEGF
RMC AT BHT: 1.399 OHMM AT 110. DEGF

TIME CIRC. STOPPED: 18:00 1-21
TIME LOGGER ON BTM.: 16:38 1-22

MAX. REC. TEMP: 110.0 DEGF

LOGGING UNIT NO: 8057
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: PILCH
WITNESSED BY: MCMURRY

REMARKS:

700PPM CHLORIDES.
58 DEGREES MAXIMUM DEVIATION.
72 DEGREE MECHANICAL UNIT.

EQUIPMENT NUMBERS-

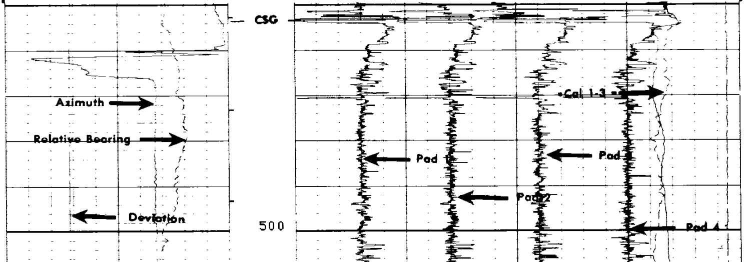
HDS-D 1954 HDM-MB 725
HDE-F 787 DAM-A 823

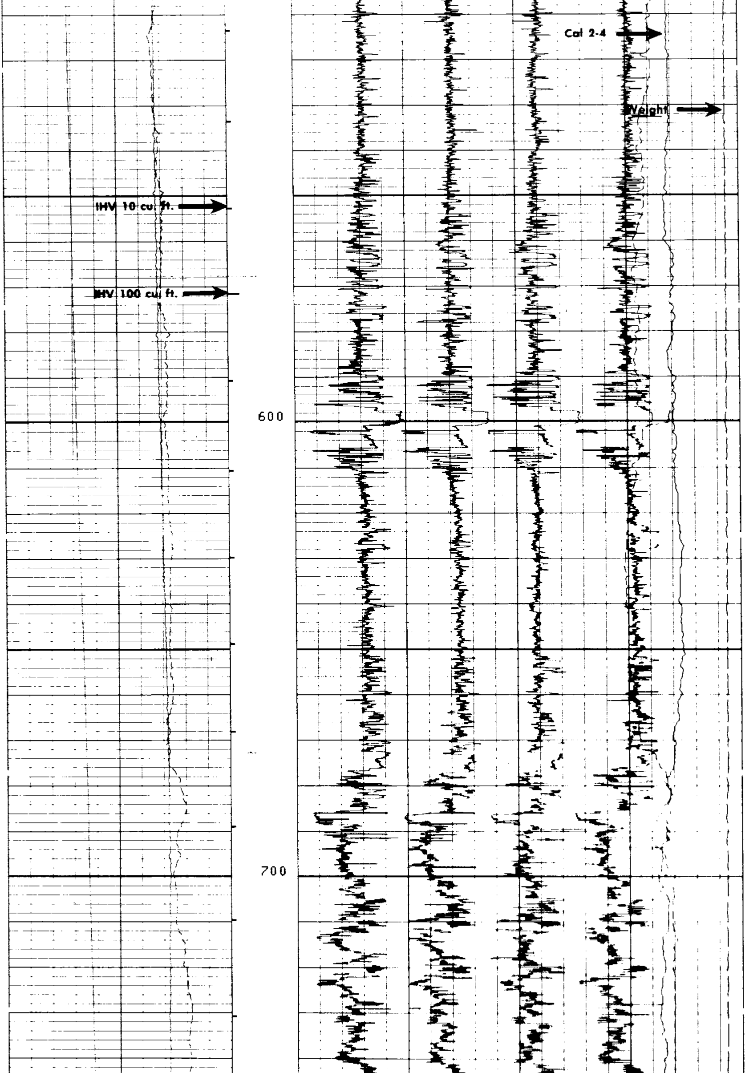
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, 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.

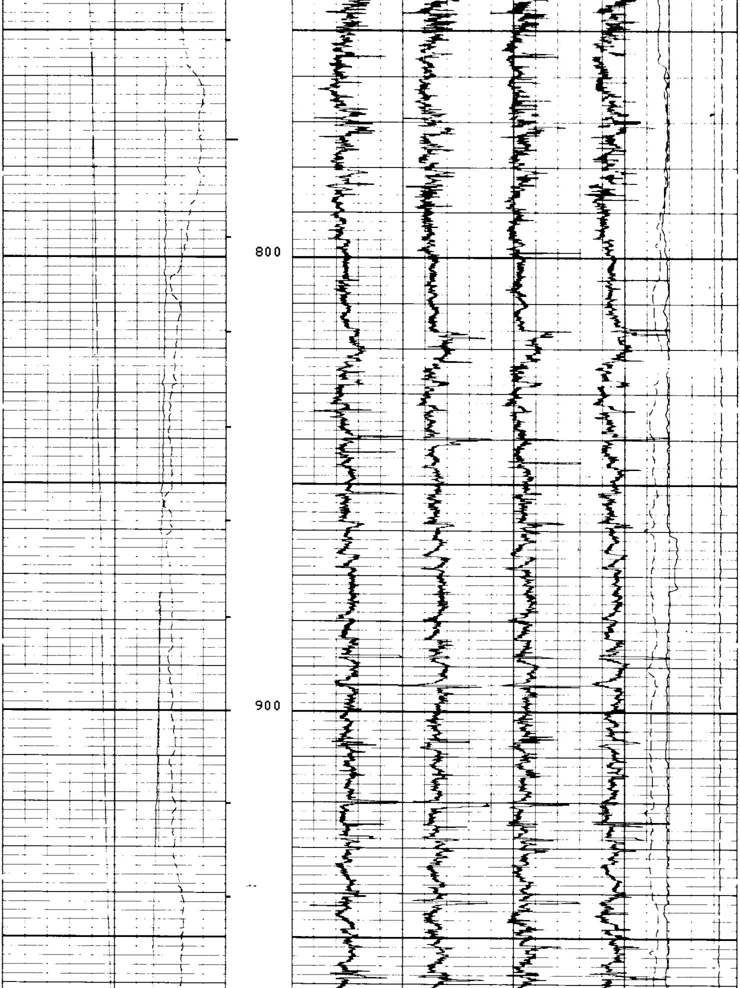
CP 28.4 FILE 6 22-JAN-86 17:30
DATA ACQUIRED NA

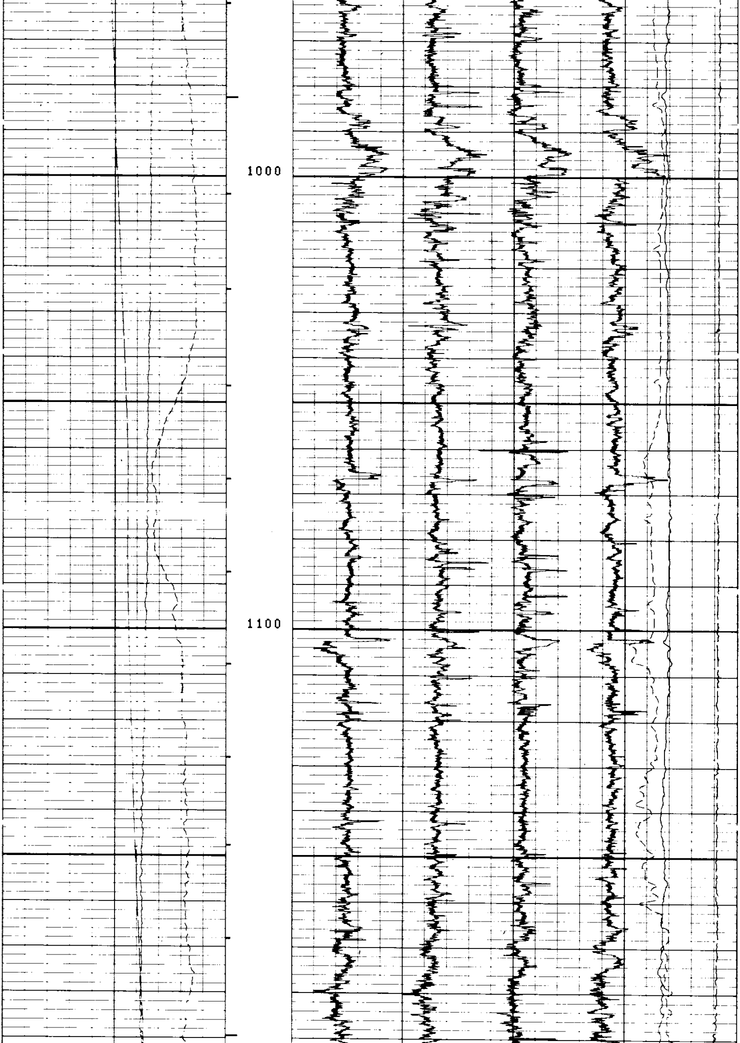
DEVI(DEG)	-7.000	63.000
RB (DEG)	-40.00	360.00
AZIM(DEG)	-40.00	360.00
TENS(LB)	10000.	0.0
C2 (IN)	26.000	6.0000
C1 (IN)	26.000	6.0000

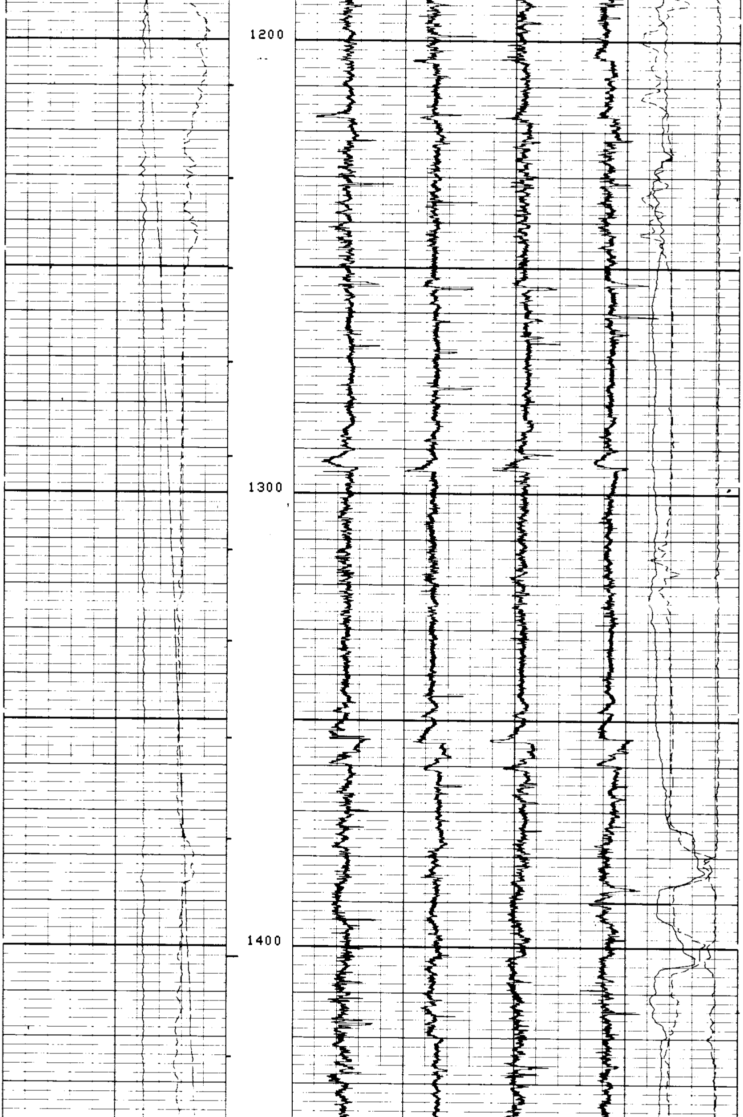
CP 28.4 FILE 4 22-JAN-86 17:24

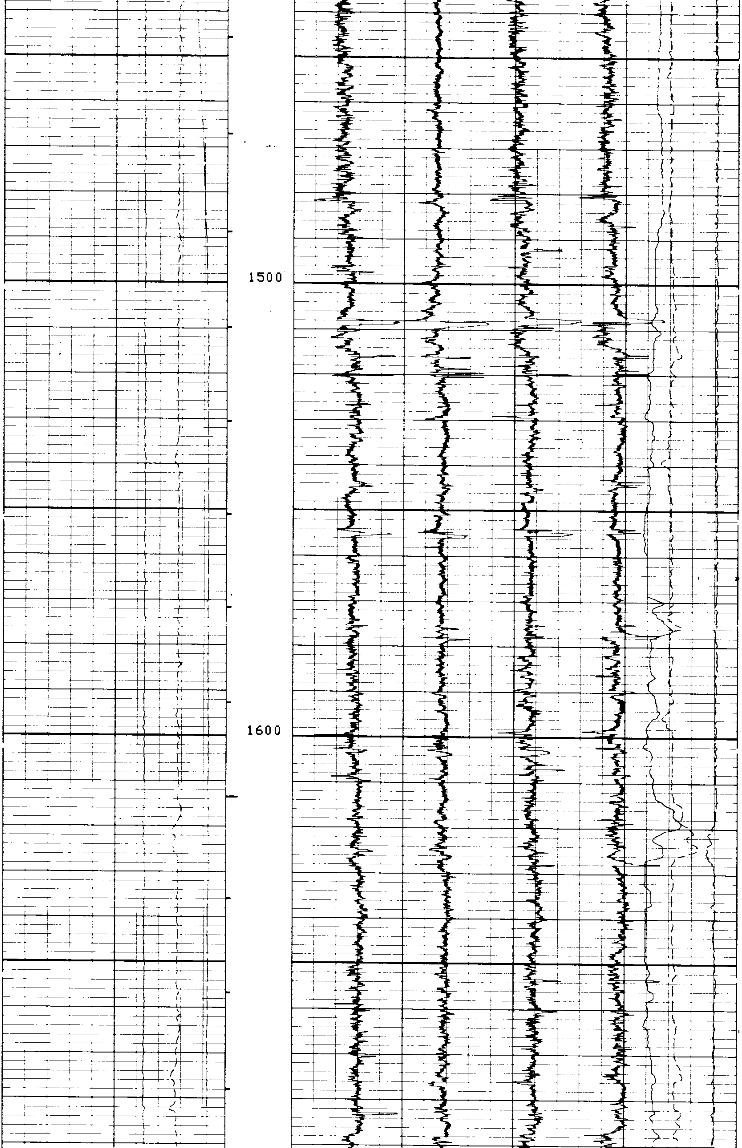


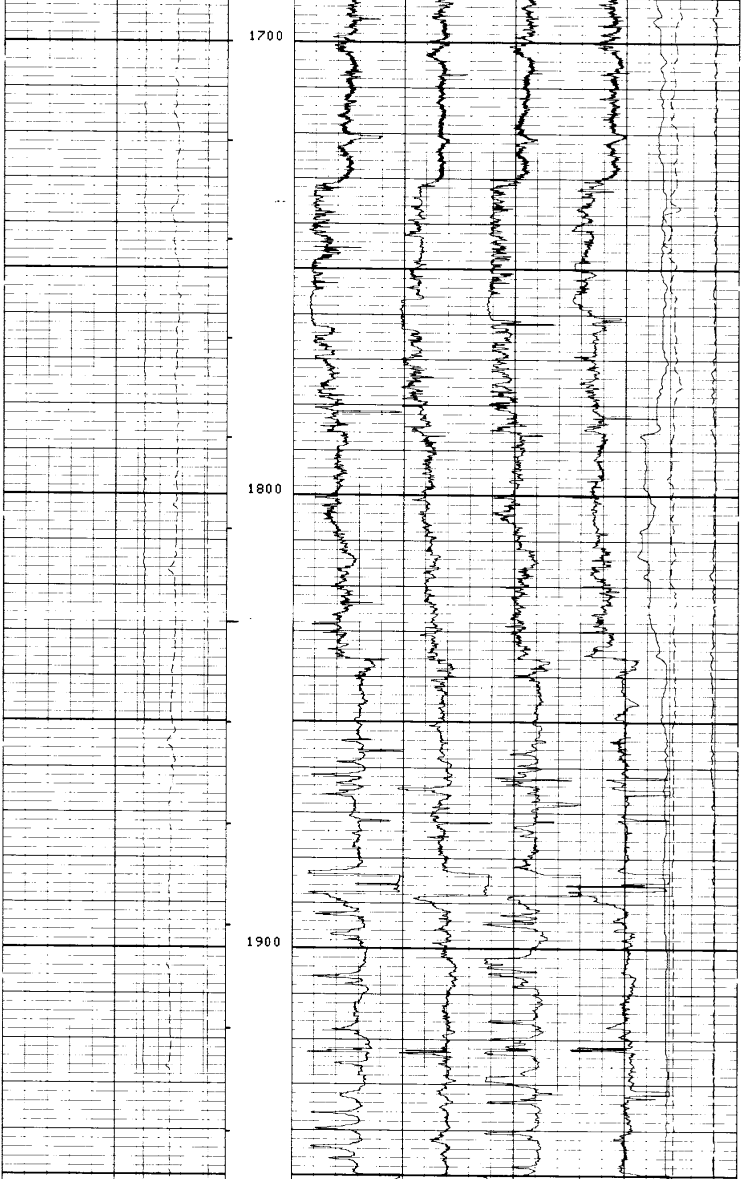


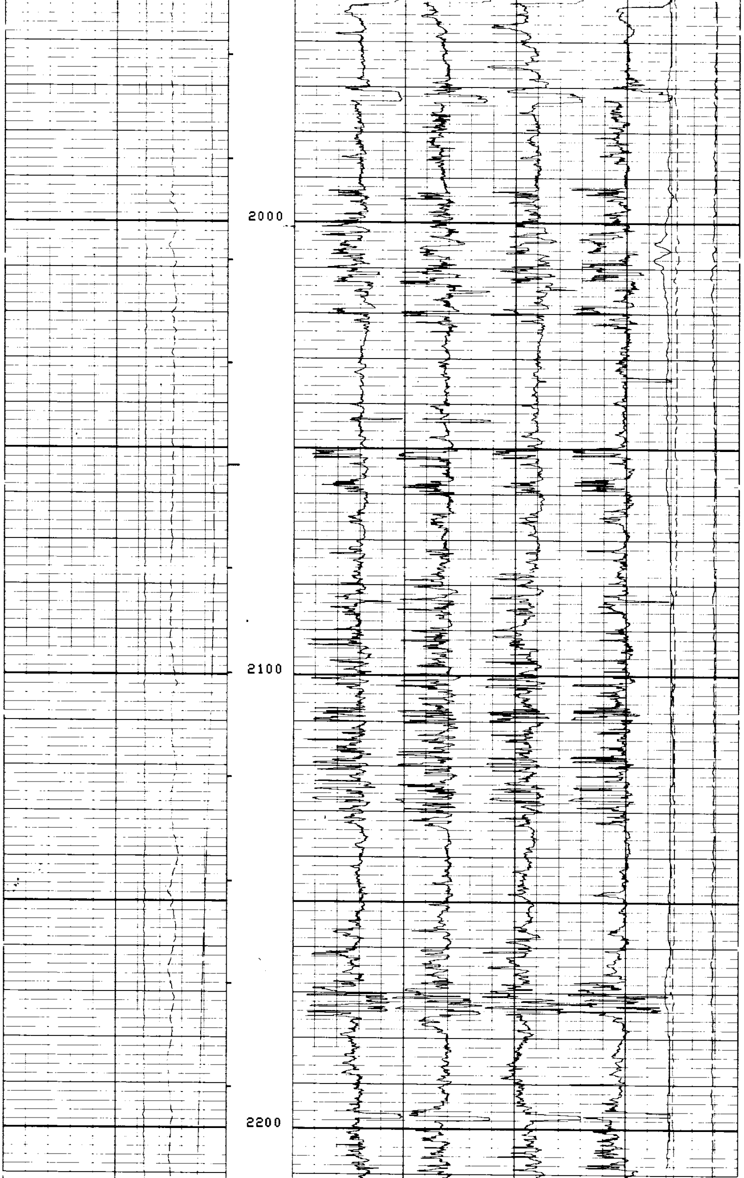


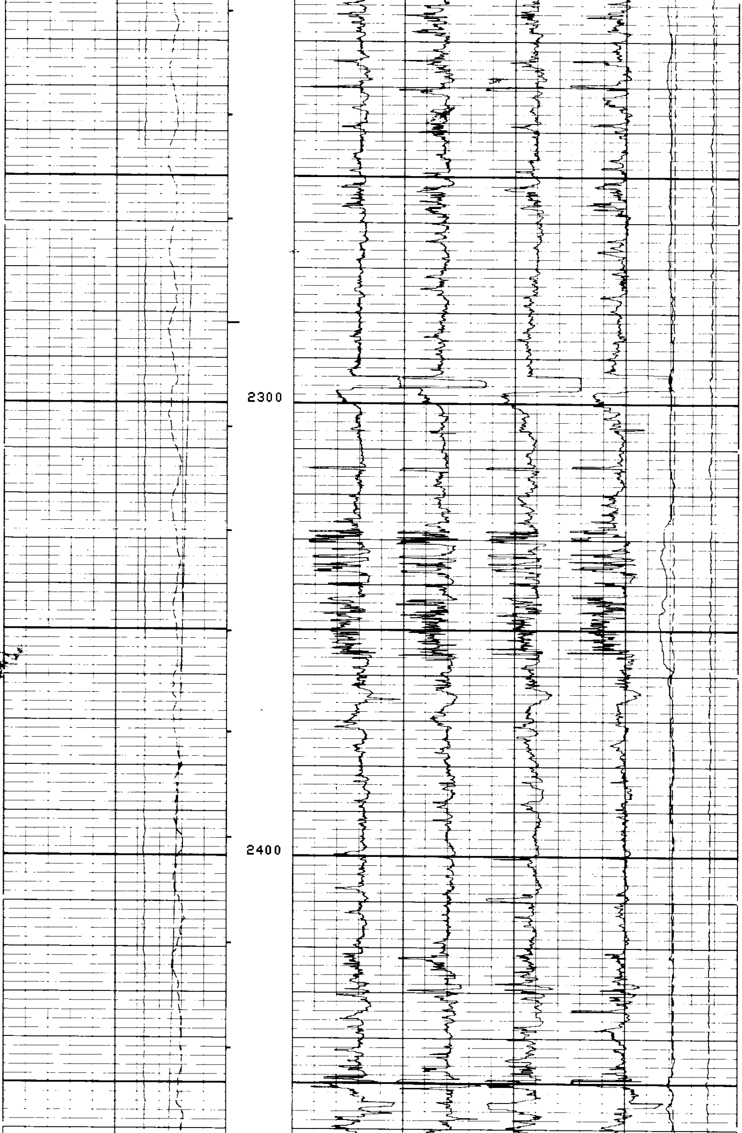


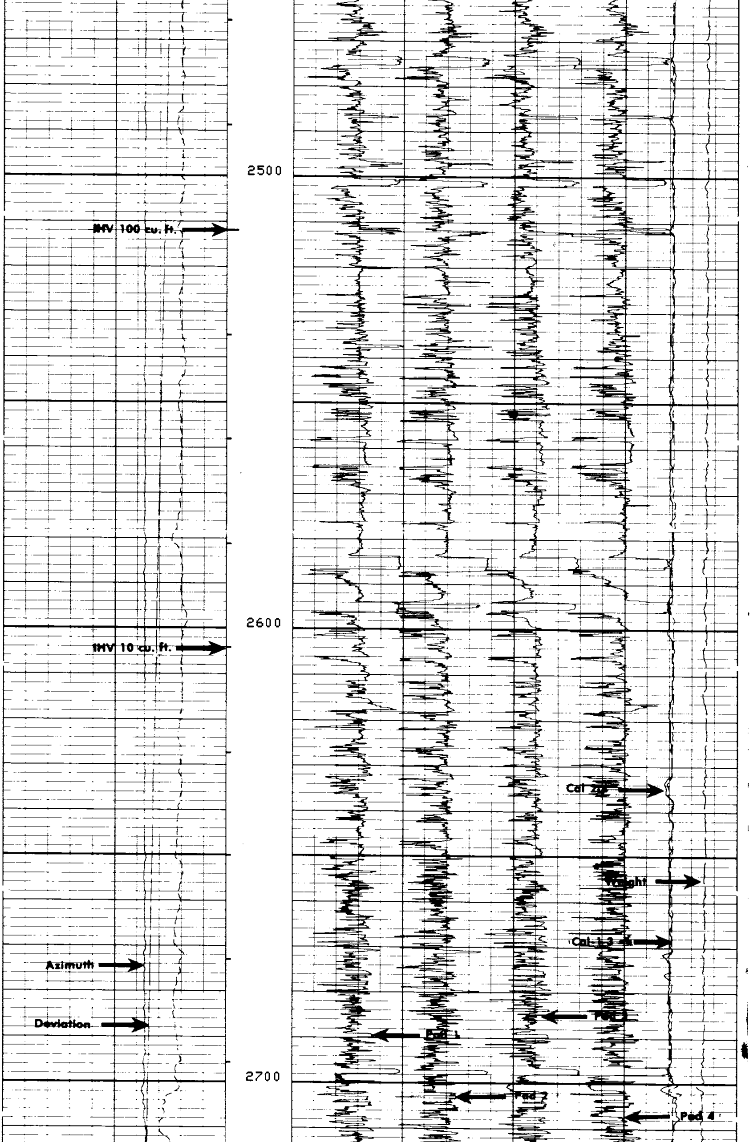


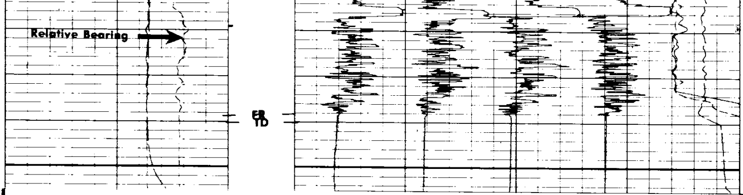












CP 28.4   FILE   4   22-JAN-86 16:37

DEVI(DEG)		TENS(LB)	
-7.000	63.000	10000.	0.0
RB (DEG)		C2 (IN)	
-40.00	360.00	26.000	6.0000
AZIM(DEG)		C1 (IN)	
-40.00	360.00	26.000	6.0000

SENSOR MEASURE POINT TO TOOL ZERO

C1	0.0	FEET	C2	0.0	FEET
PP	0.0	FEET	TEMP	0.0	FEET
RC	0.0	FEET	EMEX	0.0	FEET
FEP2	0.0	FEET	REFE	0.0	FEET
DEVI	0.0	FEET	FEP1	0.0	FEET
AZIM	0.0	FEET	RB	0.0	FEET
RC1	0.0	FEET	RC2	0.0	FEET
SHDT	0.0	FEET	TENS	0.0	FEET
FC3	0.0	FEET	FC4	0.0	FEET
FC1	0.0	FEET	FC2	0.0	FEET
FC0	0.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	72		MDEC	0	DEG
BHS	OPEN		STYP	HDSD	
BS	8.75000	IN			

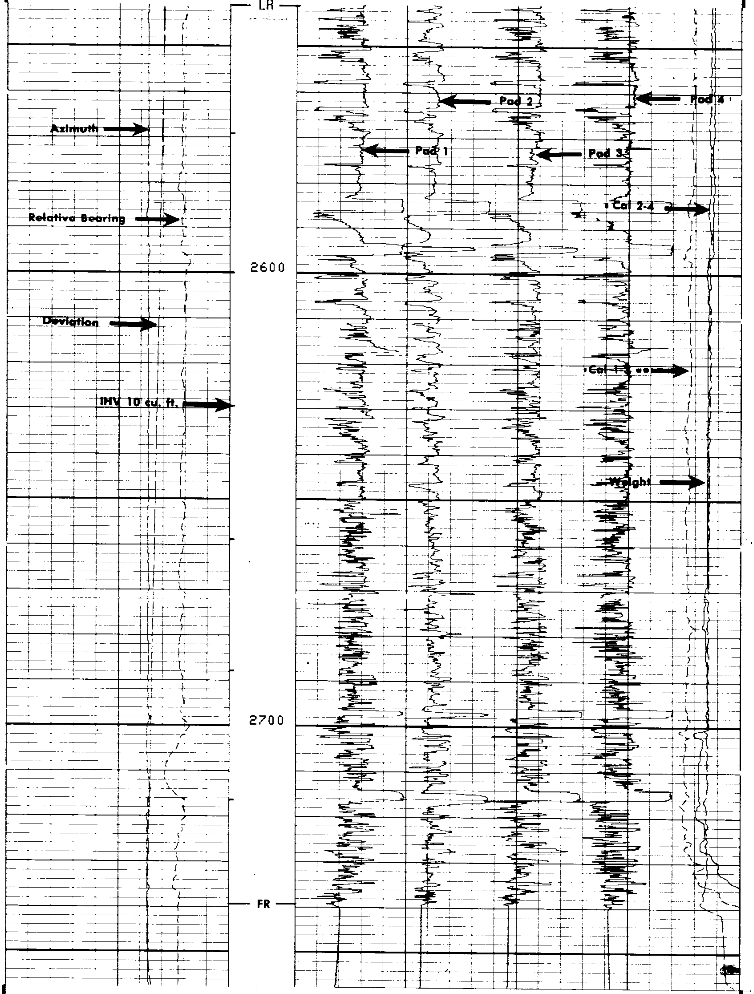
EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE

DEVI(DEG)		TENS(LB)	
-7.000	63.000	10000.	0.0
RB (DEG)		C2 (IN)	
-40.00	360.00	26.000	6.0000
AZIM(DEG)		C1 (IN)	
-40.00	360.00	26.000	6.0000

REPEAT

CP 28.4 FILE 3 22-JAN-86 16:35



CP 28.4 FILE 3 22-JAN-86 16:30

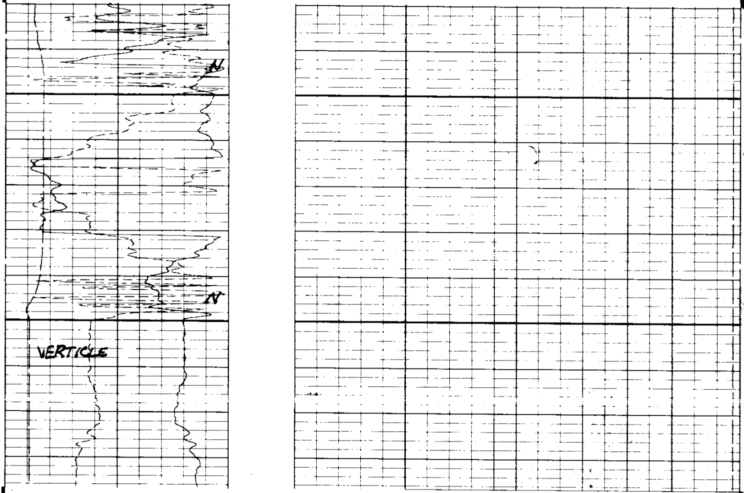
DEVI(DEG)		
-7.000	63.000	
RB (DEG)		
-40.00	360.00	
AZIM(DEG)		
-40.00	360.00	

TENS(LB)		
10000.	0.0	
C2 (IN)		
26.000	6.0000	
C1 (IN)		
26.000	6.0000	

DEVI(DEG)		
-8.000	72.000	
RB (DEG)		
-40.00	360.00	
AZIM(DEG)		
-40.00	360.00	

TENS(LB)		
10000.	0.0	
C2 (IN)		
26.000	6.0000	
C1 (IN)		
26.000	6.0000	

CP 28.4 FILE 3 22-JAN-86 15:52



CP 28.4 FILE 3 22-JAN-86 15:50

DEVI(DEG)		
-8.000	72.000	
RB (DEG)		
-40.00	360.00	
AZIM(DEG)		
-40.00	360.00	

TENS(LB)		
10000.	0.0	
C2 (IN)		
26.000	6.0000	
C1 (IN)		
26.000	6.0000	

SENSOR MEASURE POINT TO TOOL ZERO

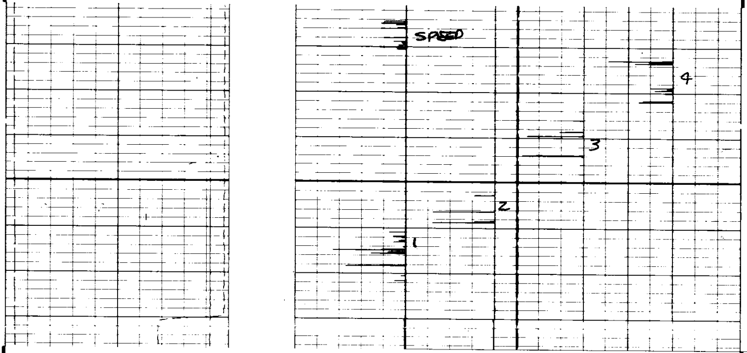
C1	0.0	FEET	C2	0.0	FEET
PP	0.0	FEET	TEMP	0.0	FEET
RC	0.0	FEET	EMEX	0.0	FEET
FEP2	0.0	FEET	REFE	0.0	FEET
DEVI	0.0	FEET	FEP1	0.0	FEET
AZIM	0.0	FEET	RB	0.0	FEET
RC1	0.0	FEET	RC2	0.0	FEET
SHDT	0.0	FEET	TENS	0.0	FEET
FC3	0.0	FEET	FC4	0.0	FEET
FC1	0.0	FEET	FC2	0.0	FEET
FC0	0.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	72		MDEC	0	DEG
BHS	OPEN		STYP	HDSD	
BS	8.75000	IN			

```
DEVI(DEG )                                              TENS(LB  )
-8.000        72.000                                    10000.          0.0
RB  (DEG )                                  C2  (IN  )
-40.00        360.00    26.000                                          6.0000
AZIM(DEG )                                  C1  (IN  )
-40.00        360.00    26.000                                          6.0000
```

CP 28.4　　FILE　2　　22-JAN-86 15:17



CP 28.4　　FILE　2　　22-JAN-86 15:15

```
DEVI(DEG )                                              TENS(LB  )
-8.000        72.000                                    10000.          0.0
RB  (DEG )                                  C2  (IN  )
-40.00        360.00    26.000                                          6.0000
AZIM(DEG )                                  C1  (IN  )
-40.00        360.00    26.000                                          6.0000
```

SENSOR MEASURE POINT TO TOOL ZERO

```
         C1     0.0   FEET                          C2     0.0   FEET
         PP     0.0   FEET                          TEMP   0.0   FEET
         RC     0.0   FEET                          EMEX   0.0   FEET
         FEP2   0.0   FEET                          REFE   0.0   FEET
         DEVI   0.0   FEET                          FEP1   0.0   FEET
         AZIM   0.0   FEET                          RB     0.0   FEET
         RC1    0.0   FEET                          RC2    0.0   FEET
         SHDT   0.0   FEET                          TENS   0.0   FEET
         FC3    0.0   FEET                          FC4    0.0   FEET
         FC1    0.0   FEET                          FC2    0.0   FEET
         FC0    0.0   FEET
```

```
                              PARAMETERS

       NAME   VALUE       UNIT                   NAME   VALUE       UNIT

       MCT   72                                  MDEC 0             DEG
       BHS   OPEN                                STYP HDSD
       BS    8.75000      IN
```

```
                 BEFORE SURVEY CALIBRATION SUMMARY


    PERFORMED:      22-JAN-86 15:12
    PROGRAM FILE: HDT     (VERSION    28.4    85/11/11)


   HDTD                 CALIPER CALIBRATION SUMMARY

                 MEASURED                       CALIBRATED
               SMALL    LARGE                 SMALL     LARGE        UNITS
        C1     9.50     14.0                  8.00      12.0          IN
        C2     9.57     14.0                  8.00      12.0          IN

     CP 28.4           FILE    1         22-JAN-86 15:12
```

- end-