Schlumberger

CYBERDIP

CSU Field Log

```
COMPANY:     REICHHOLD ENERGY CORPORATION

WELL:        CZ 31-16

FIELD:       PITTSBURG
COUNTY:      COLUMBIA
STATE:       OREGON
NATION:      USA
LOCATION:    948.63 'S & 2479.46 'W
             OF NE COR
   SEC:      16             TWP: 5N          RGE: 4W


PERMANENT DATUM:        GL             ELEVATIONS-
ELEV. OF PERM. DATUM:   838.2 F          KB:  849.6 F
LOG MEASURED FROM:      KB               DF:
     11.4 F    ABOVE PERM. DATUM         GL:  838.2 F
DRLG. MEASURED FROM:    KB

[redacted]ATE:              26 JUL 85
 UN NO:              1

 EPTH-DRILLER:        2867.0 F
 EPTH-LOGGER:         2860.0 F
 TM. LOG INTERVAL:    2860.0 F
 OP LOG INTERVAL:      408.0 F

 ASING-DRILLER:        403 F
 ASING-LOGGER:         408 F
CASING:              8 5/8

BIT SIZE:            7 7/8
   DEPTH:             2867 F
```

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OTHER SERVICES-
  DIL SLT
  LDT CNT GR

PROGRAM
TAPE NO:
  26.2
SERVICE
ORDER NO:
  432338
```

```
TYPE FLUID IN HOLE:   GELL LIGNO
DENSITY:              10.0 LB/G
VISCOSITY:            56.0 S
PH:                    9.0
FLUID LOSS:            6.2 C3
SOURCE OF SAMPLE:     FLOWLINE
RM:                    1.720 OHMM AT 80.0 DEGF
RMF:                   1.370 OHMM AT 81.0 DEGF
RMC:                   1.580 OHMM AT 85.0 DEGF
SOURCE RMF/RMC:       MEAS/MEAS
RM AT BHT:             1.336 OHMM AT 105. DEGF
RMF AT BHT:            1.076 OHMM AT 105. DEGF
RMC AT BHT:            1.297 OHMM AT 105. DEGF

TIME CIRC. STOPPED:   0530 7/26
TIME LOGGER ON BTM.:  15:20 7/26

MAX. REC. TEMP:       105.0 DEGF

LOGGING UNIT NO:      8126
LOGGING UNIT LOC:     SACRAMENTO
RECORDED BY:          KUNKLER
WITNESSED BY:         THOMAS
```

REMARKS:

ZONE OF INTEREST AT APPROX. 2160 TO 2210 FT.
MDEC 20E
STEP CORRELATION MODE 4/2

EQUIPMENT NUMBERS-

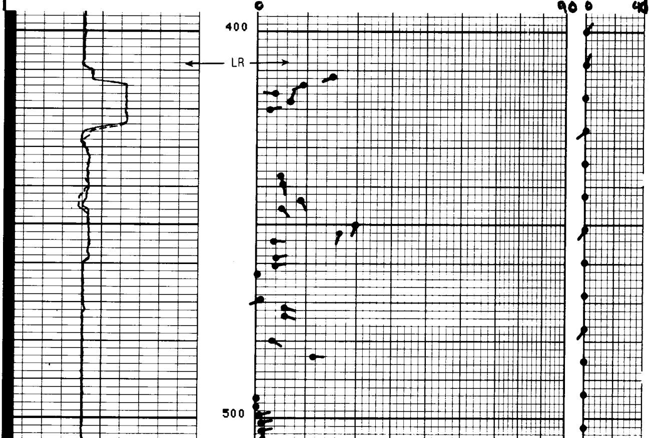
HDE CB 2996 HDM F 1726 HDS 1954 DAM 958

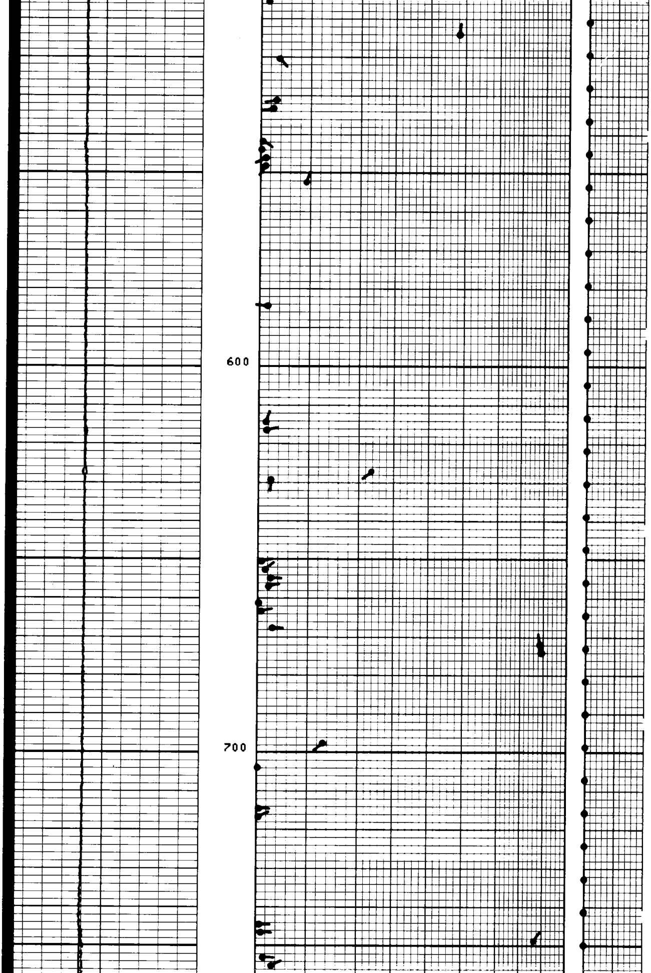
ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS,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

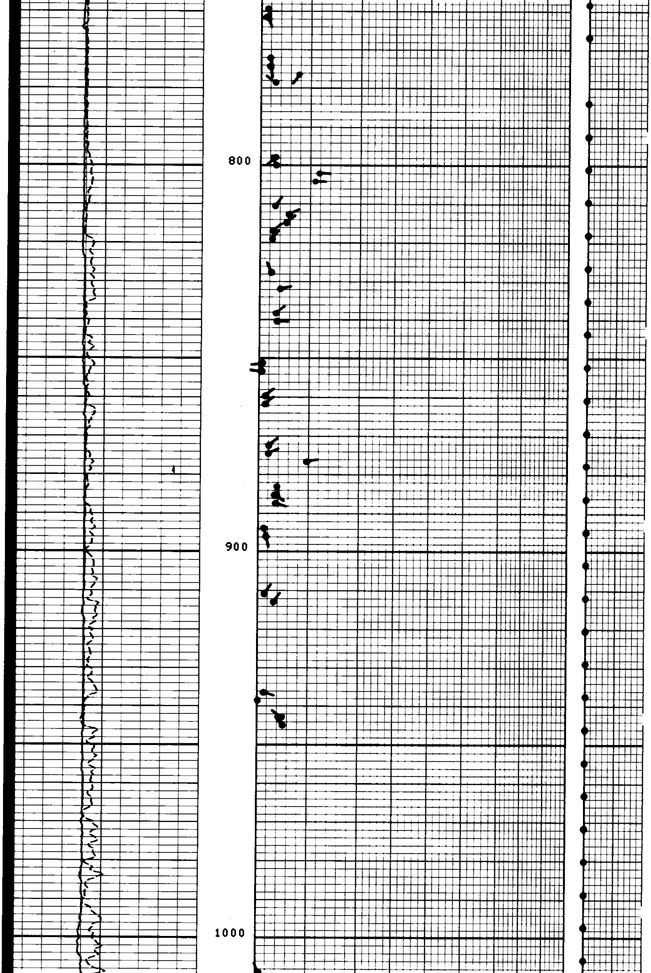
FILE 4 26-JUL-85 15:54
DATA ACQUIRED 00- -00 00:00

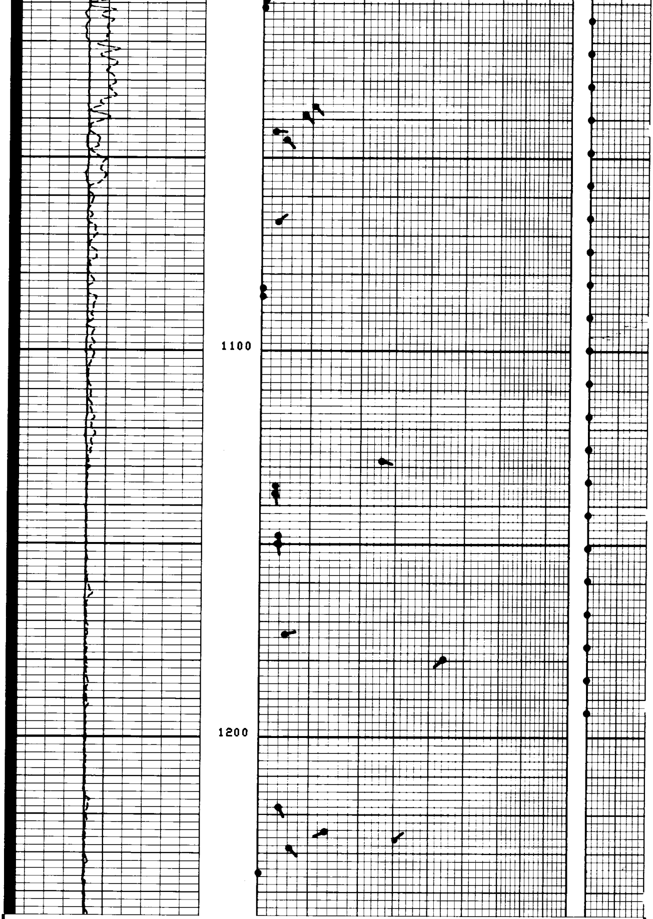
	PUM4(IN)				
0.0		20.000		AH	
	PUM3(IN)				
0.0		20.000	0.0		5.0000
	C2S (IN)			PUM2(IN)	
0.0		20.000	0.0		5.0000
	C1S (IN)			PUM1(IN)	
0.0		20.000	0.0		5.0000

FILE 1 26-JUL-85 17:07
DATA ACQUIRED 26-JUL-85 15:38









FILE 1 26-JUL-85 16:48
DATA ACQUIRED 26-JUL-85 15:21

90 0 40
DEV

	PUM4(IN)	
0.0		20.000
	PUM3(IN)	
0.0		20.000
	C2S (IN)	
0.0		20.000
	C1S (IN)	
0.0		20.000

	AH	
0.0		5.0000
	PUM2(IN)	
0.0		5.0000
	PUM1(IN)	
0.0		5.0000

PARAMETERS

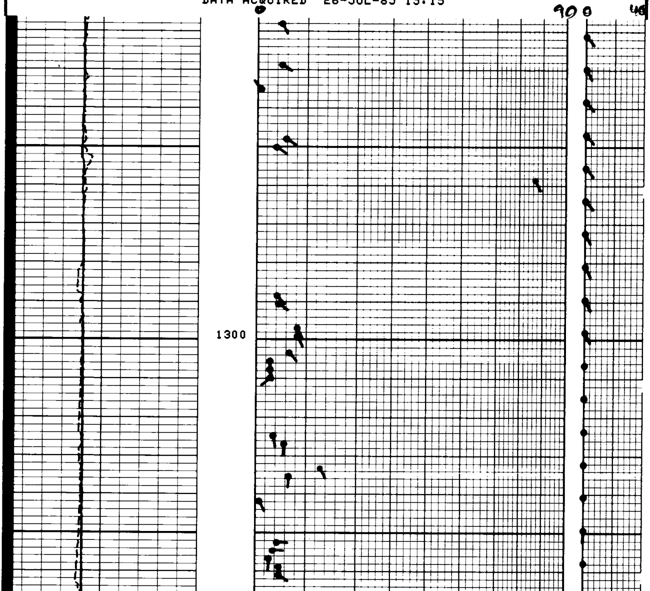
NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	MDEC	20	DEG
TDCA	4PAD		STYP	HDSD	
DSCA	40	DEG	MODE	4/2	
BS	7.87500	IN	BHS	OPEN	
PP	RECO		DO	0.0	F

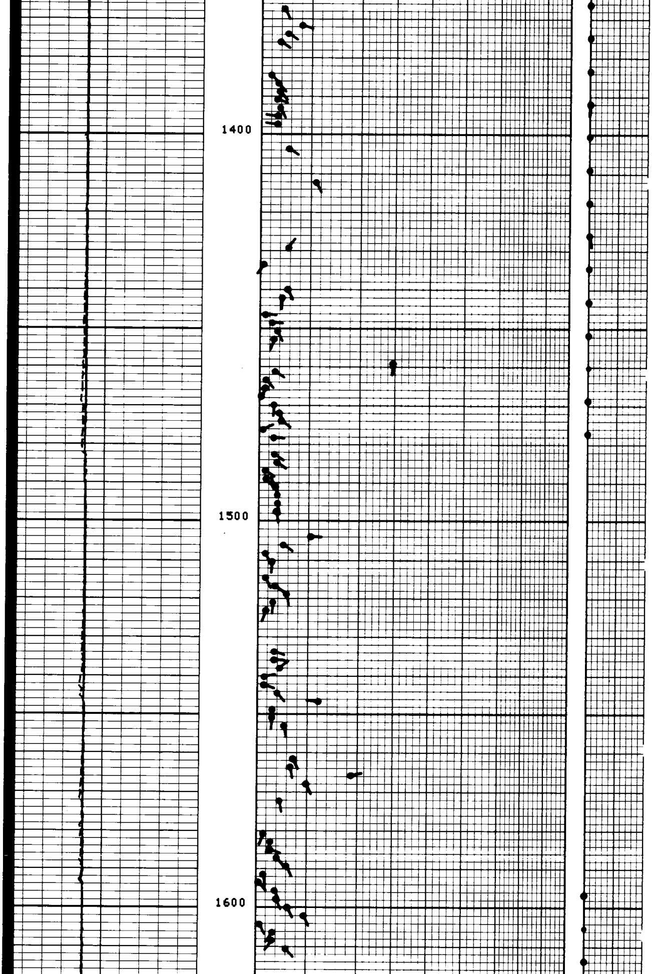
TAPE NOT MADE

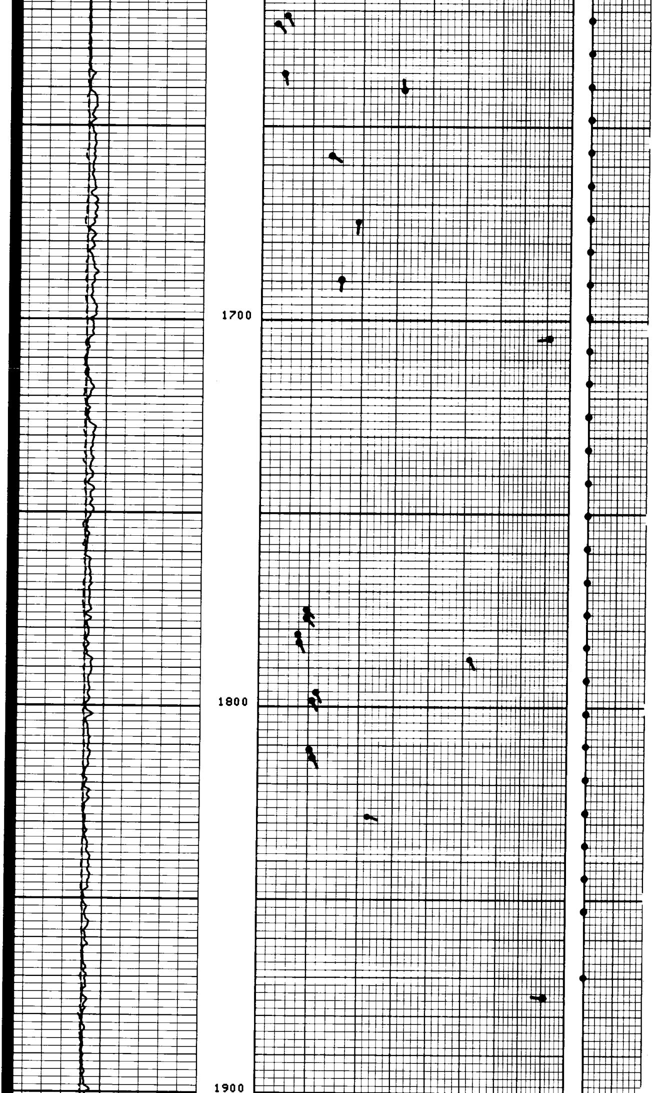
PUM4(IN)	
0.0	20.000
PUM3(IN)	
0.0	20.000
C2S (IN)	
0.0	20.000
C1S (IN)	
0.0	20.000

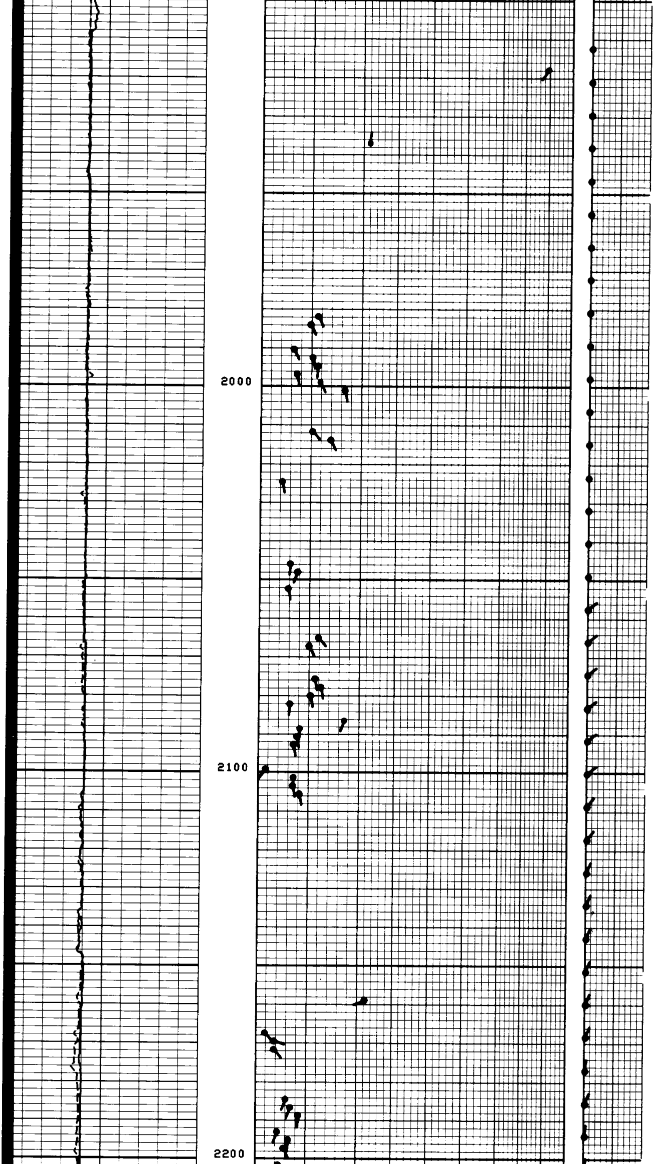
AH	
0.0	5.0000
PUM2(IN)	
0.0	5.0000
PUM1(IN)	
0.0	5.0000

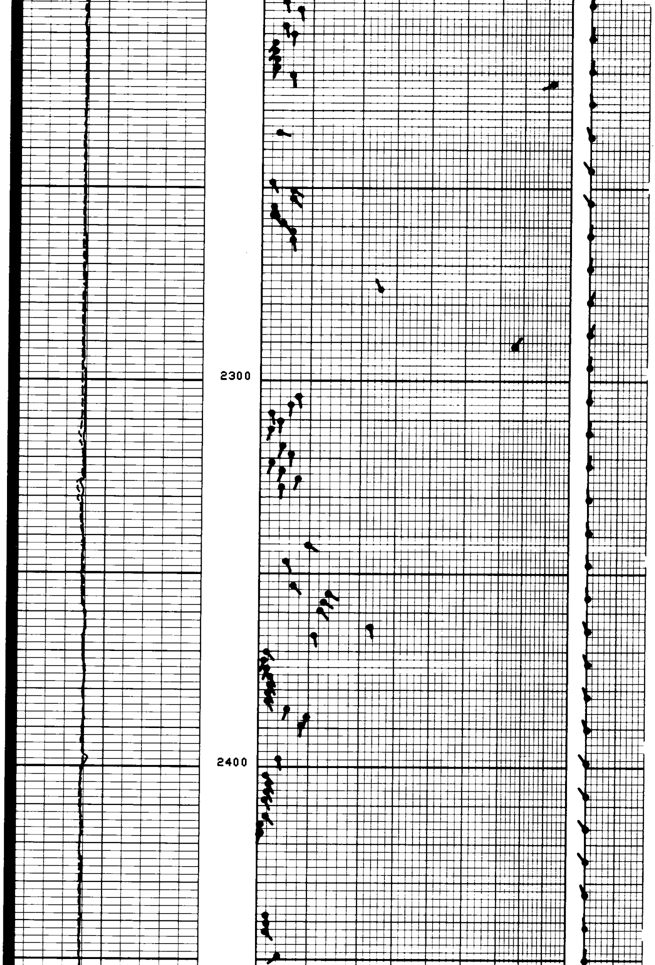
FILE 4 26-JUL-85 16:48
DATA ACQUIRED 26-JUL-85 15:15

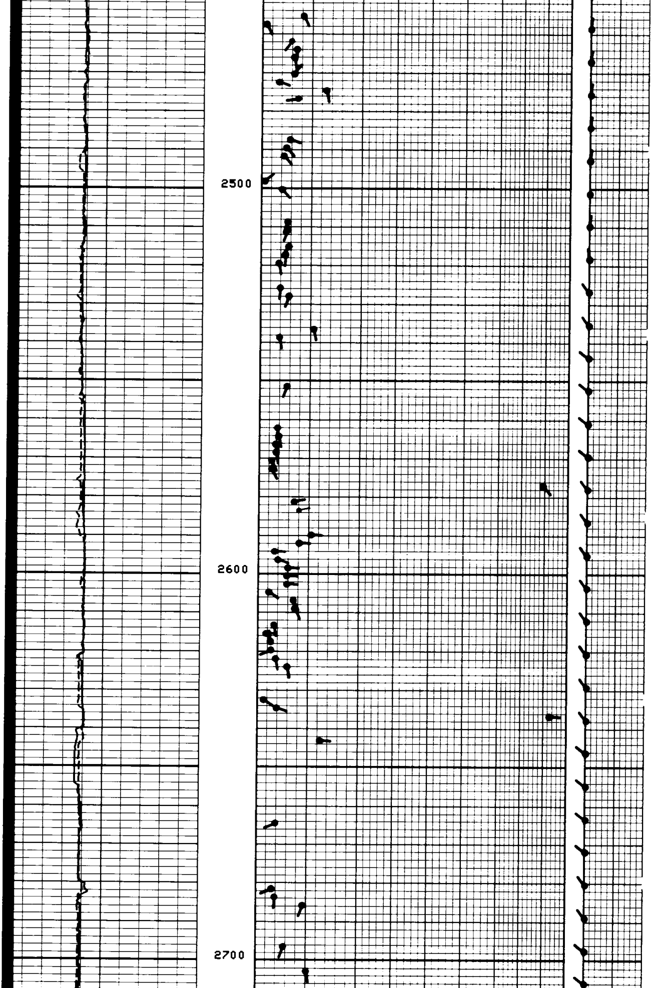


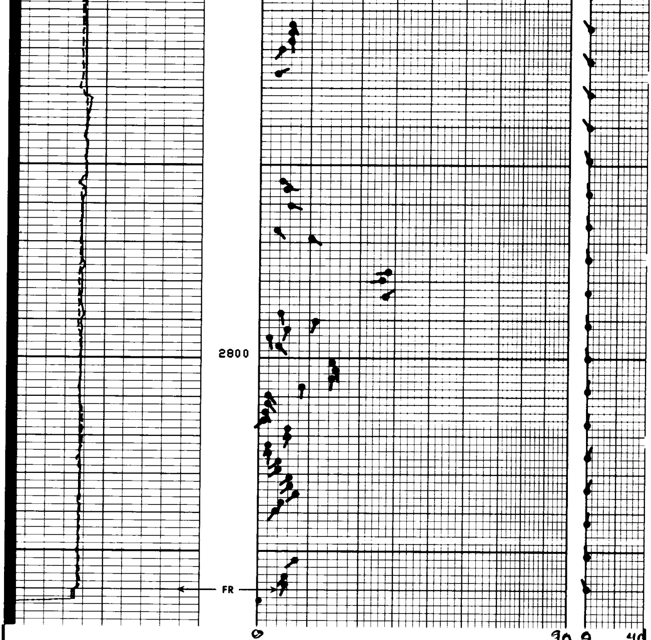












FILE 4 26-JUL-85 16:10
DATA ACQUIRED 26-JUL-85 14:41

PUM4(IN)
0.0 20.000
PUM3(IN)
0.0 20.000
C2S (IN)
0.0 20.000
C1S (IN)
0.0 20.000

AH
0.0 5.0000
PUM2(IN)
0.0 5.0000
PUM1(IN)
0.0 5.0000

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	36	DEG	MDEC	20	DEG
TDCA	4PAD		STYP	HDSD	
DSCA	40	DEG	MODE	4/2	
BS	7.87500	IN	BHS	OPEN	
PP	RECO		DO	0.0	F

TAPE NOT MADE