Schlumberger

DIPMETER

CSU

COMPANY:	ARCO OIL AND GAS COMPANY
WELL:	CAVENAM FOREST INDUSTRIES #41-4
FIELD:	MIST
COUNTY:	COLUMBIA
STATE:	OREGON
NATION:	U.S.A
LOCATION:	1,033' SOUTH AND 935'WEST FROM NORTHEAST CORNER OF

SEC: 4 TWP: 5N RGE: 4W

PERMANENT DATUM: G.L
ELEV. OF PERM. DATUM: 886.5 F
LOG MEASURED FROM: K.B
11.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: K.B

ELEVATIONS-
KB: 897.5 F
DF:
GL: 886.5 F

DATE: 14 SEP 86
RUN NO: 1

DEPTH-DRILLER:	2584.0 F
DEPTH-LOGGER:	2581.0 F
BTM. LOG INTERVAL:	2580.0 F
TOP LOG INTERVAL:	440.0 F
CASING-DRILLER:	441.0 F
CASING-LOGGER:	440.0 F
CASING:	9.625
WEIGHT:	47.0000 LB/F
BIT SIZE:	8.5
DEPTH:	2584.0 F

RECEIVED
JAN 27 1987
DOGAMI
Portland

OTHER SERVICES-
- DITD
- BHC
- WST
- FDC-CNL-GR
- CORES

PROGRAM
TAPE NO:
28.4A
SERVICE
ORDER NO:
524309

TYPE FLUID IN HOLE:	LIGNO
DENSITY:	10.30 LB/G
VISCOSITY:	40.0 S
PH:	9.1
FLUID LOSS:	7.6 C3
SOURCE OF SAMPLE:	FLOWLINE
RM:	3.150 OHMM AT 72.0 DEGF
RMF:	3.320 OHMM AT 60.0 DEGF
RMC:	3.600 OHMM AT 59.0 DEGF
SOURCE RMF/RMC:	M /M
RM AT BHT:	2.326 OHMM AT 100. DEGF
RMF AT BHT:	2.079 OHMM AT 100. DEGF
RMC AT BHT:	2.221 OHMM AT 100. DEGF
TIME CIRC. STOPPED:	21:30
TIME LOGGER ON BTM.:	7:53
MAX. REC. TEMP:	100.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: K. HARPER
WITNESSED BY: J. JACKSON

REMARKS:

EQUIPMENT NUMBERS-

HDS 1954 HDM-K

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 28.4A FILE 2 14-SEP-86 09:16
DATA ACQUIRED 14-SEP-86 07:56

EVENT MARK SUMMARY:

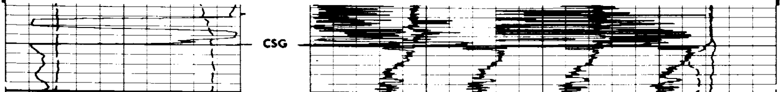
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE
ICV	10.0000 F3	RIGHT EDGE

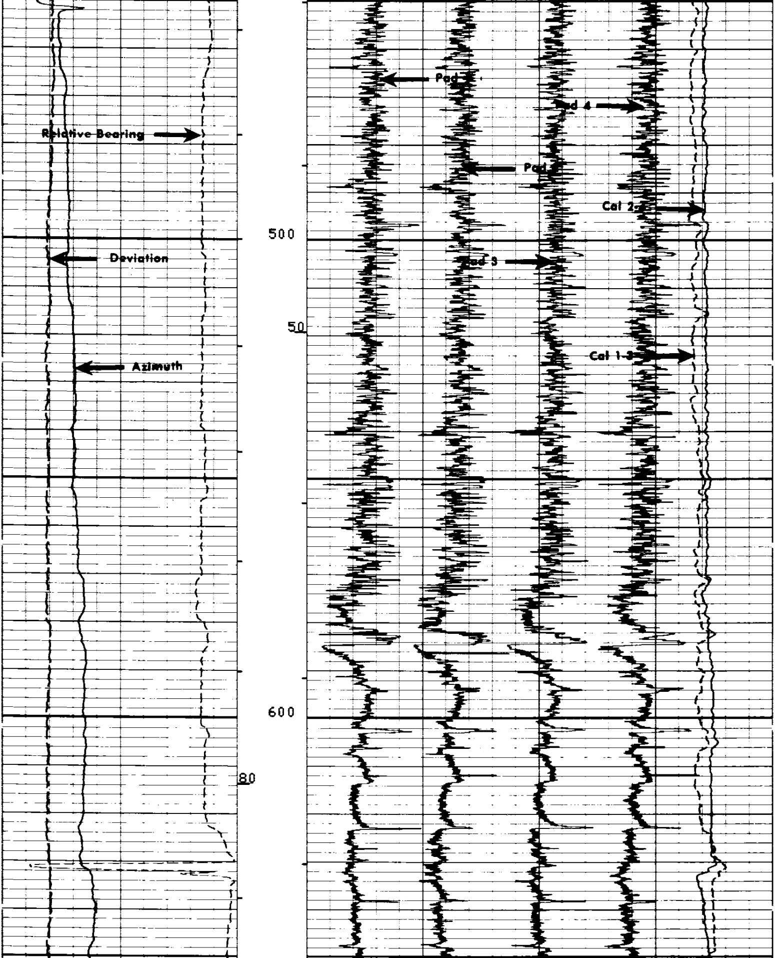
CEMENT VOLUME = 522.965 F3
HOLE VOLUME = 876.033 F3
FROM 2580.8 TO 440.0 FEET

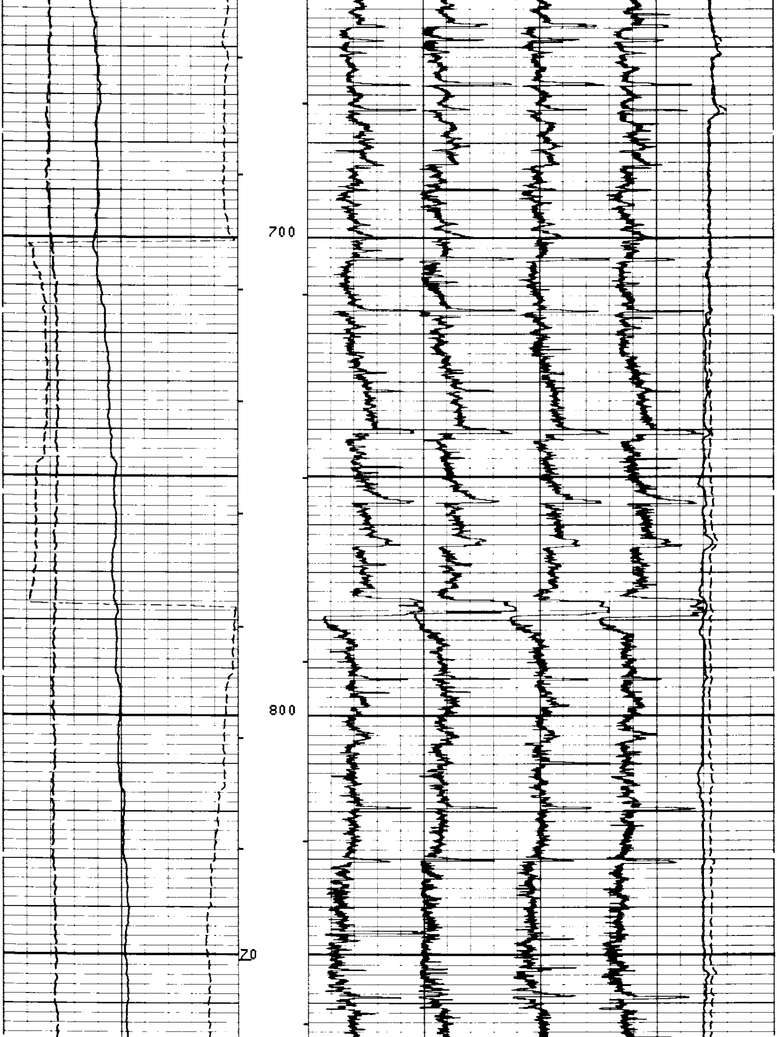
DEVI(DEG)	-1.000	9.0000
RB (DEG)	-40.00	360.00
AZIM(DEG)	-40.00	360.00

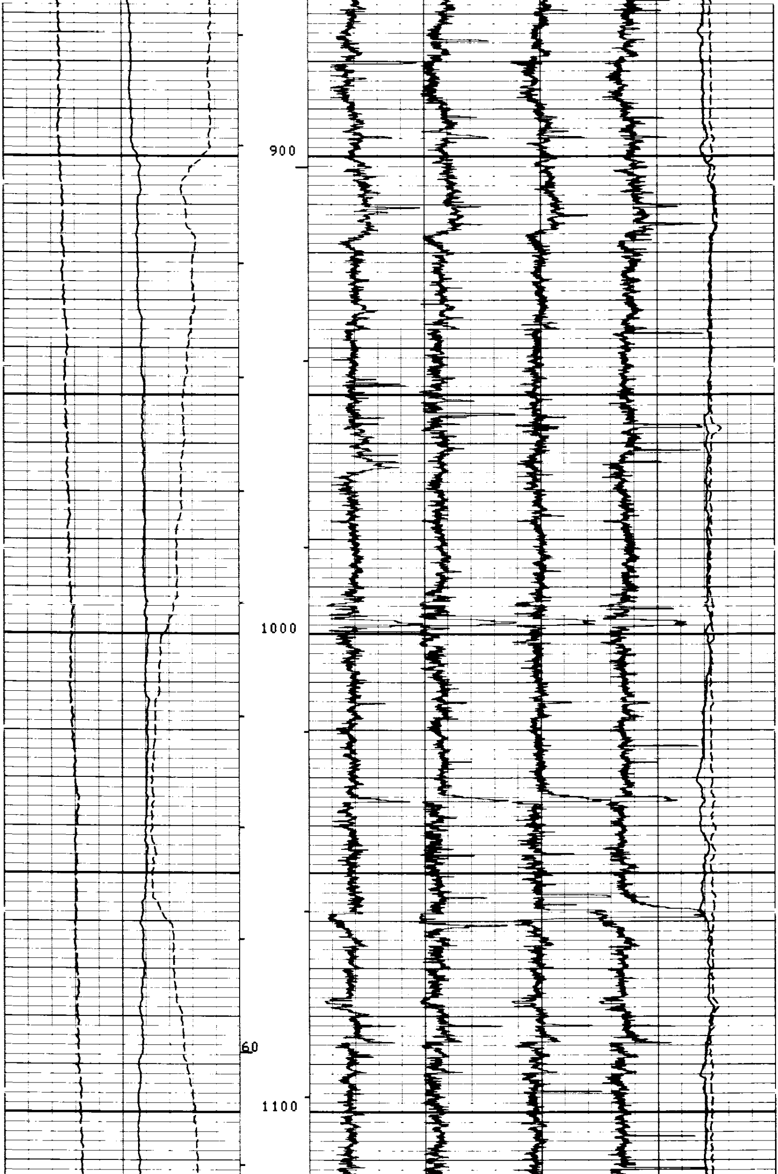
C2 (IN)	26.000	6.0000
C1 (IN)	26.000	6.0000

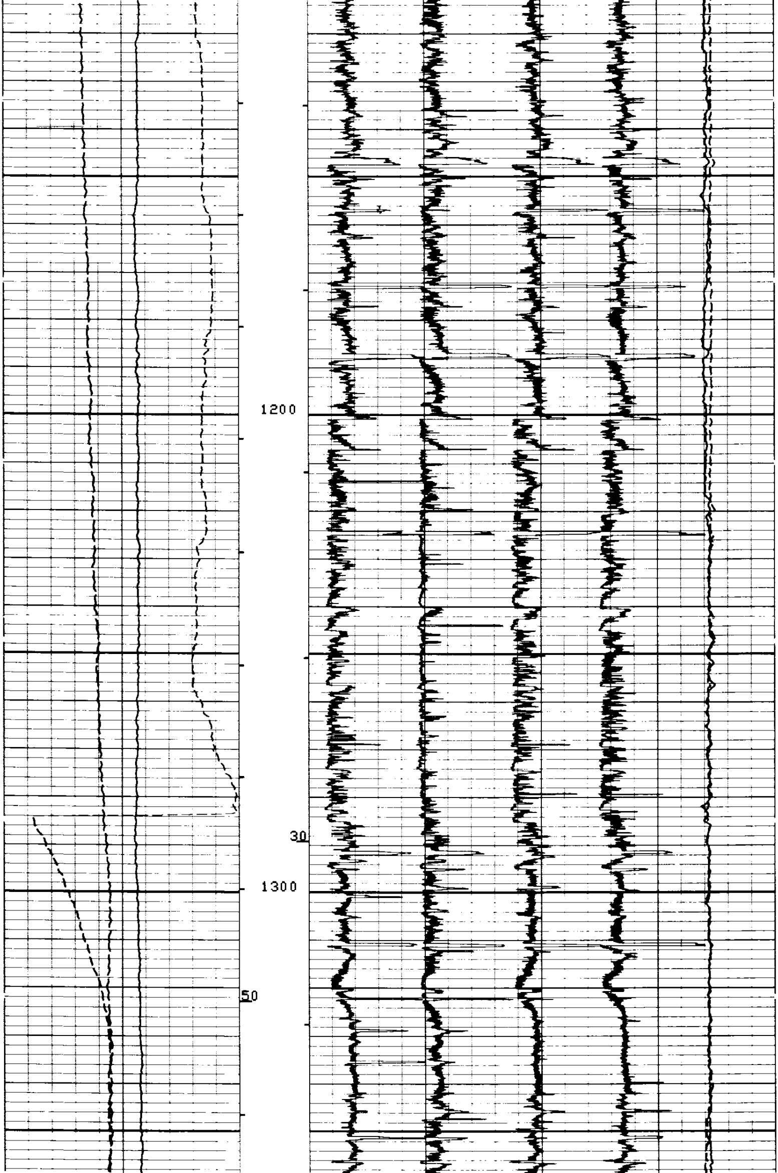
CP 28.4A FILE 2 14-SEP-86 08:53

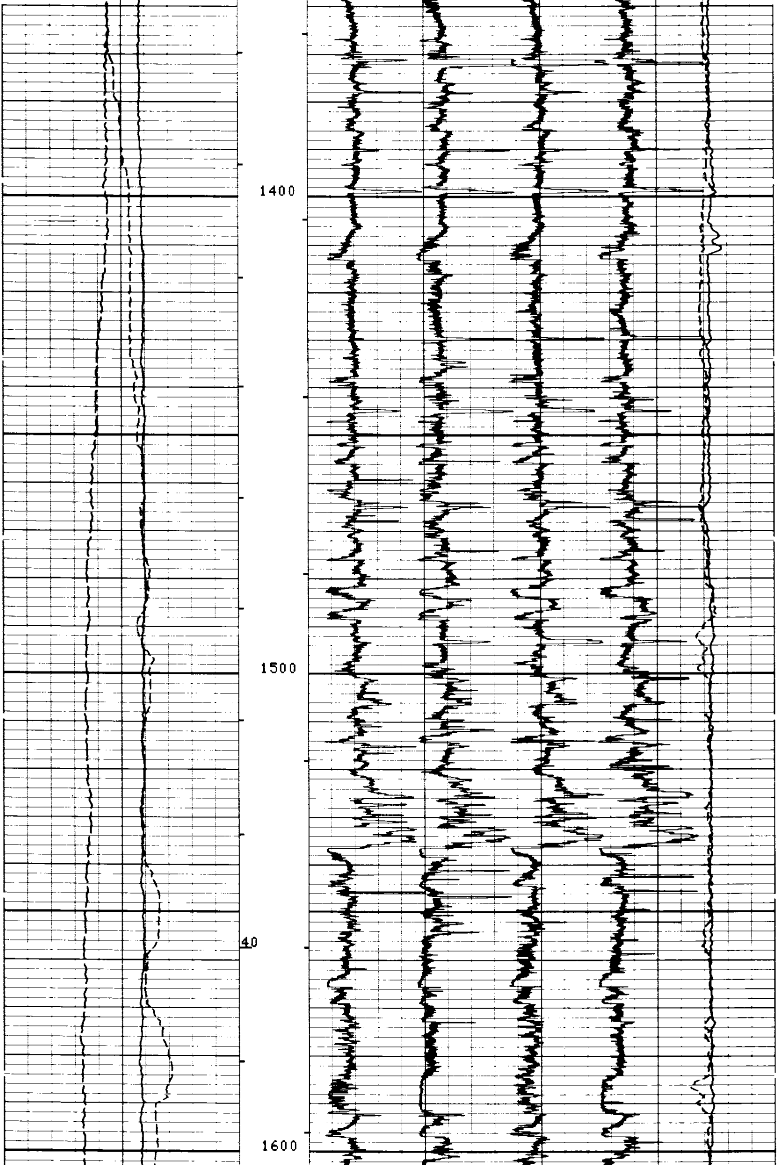


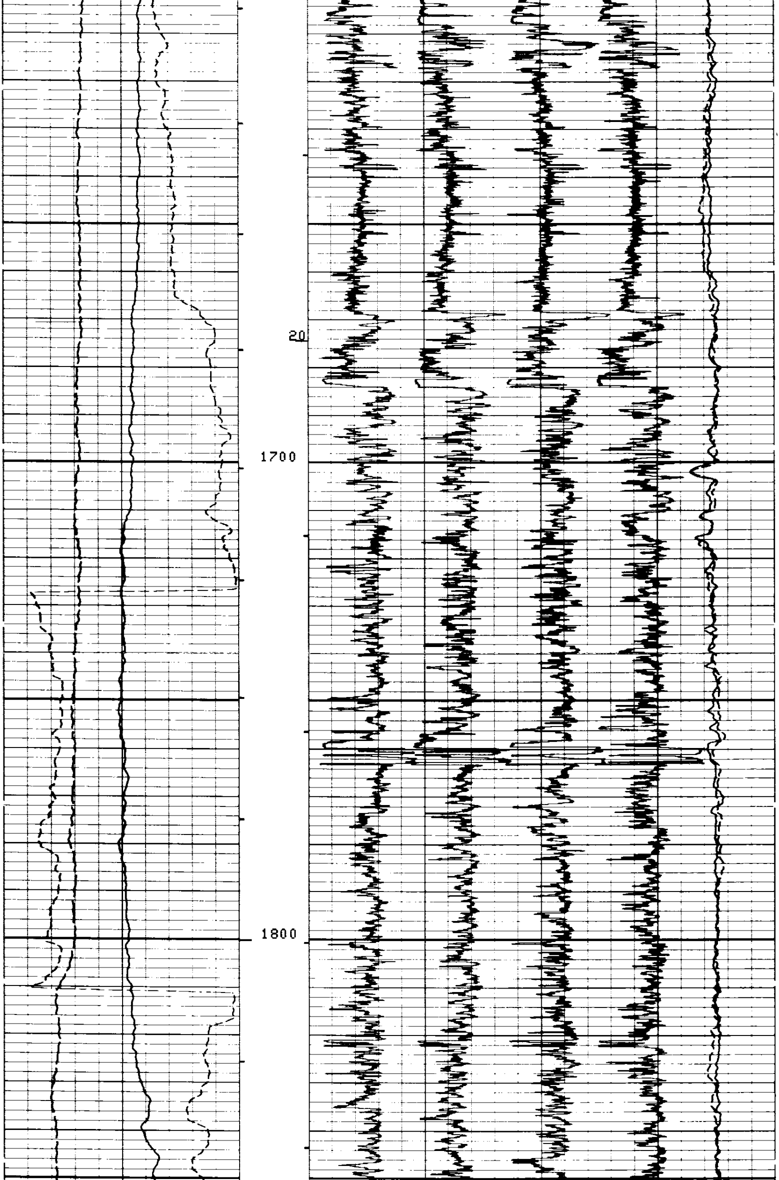


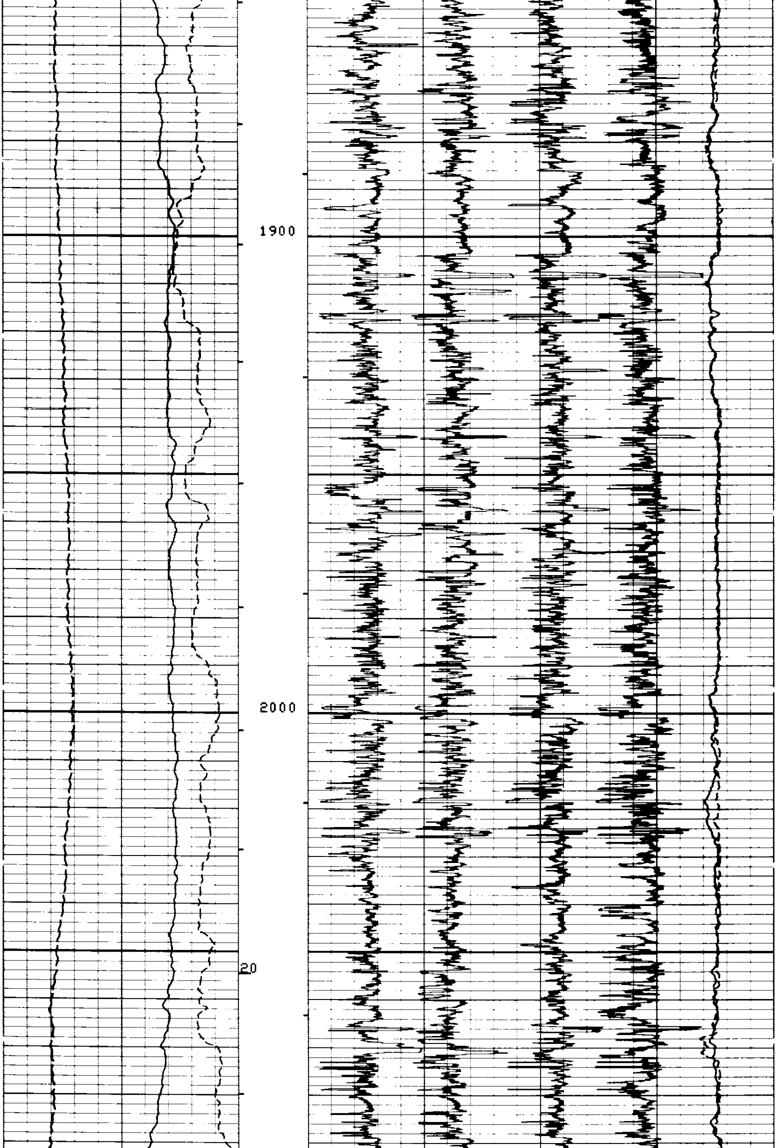


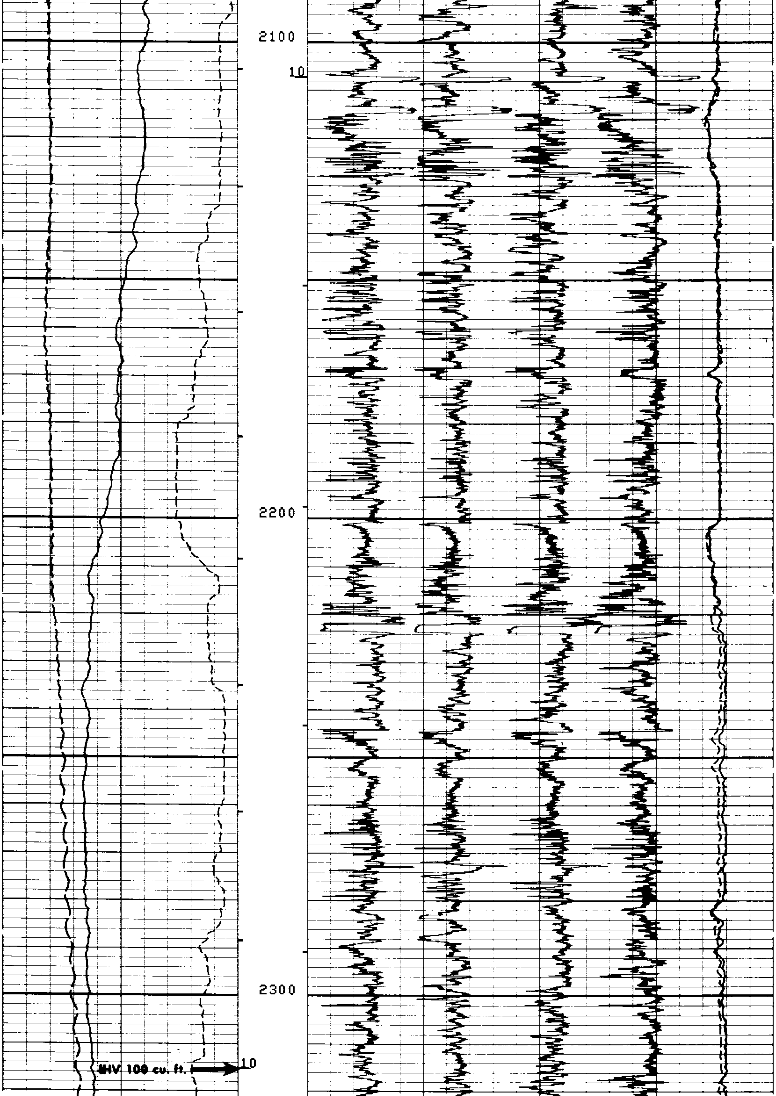


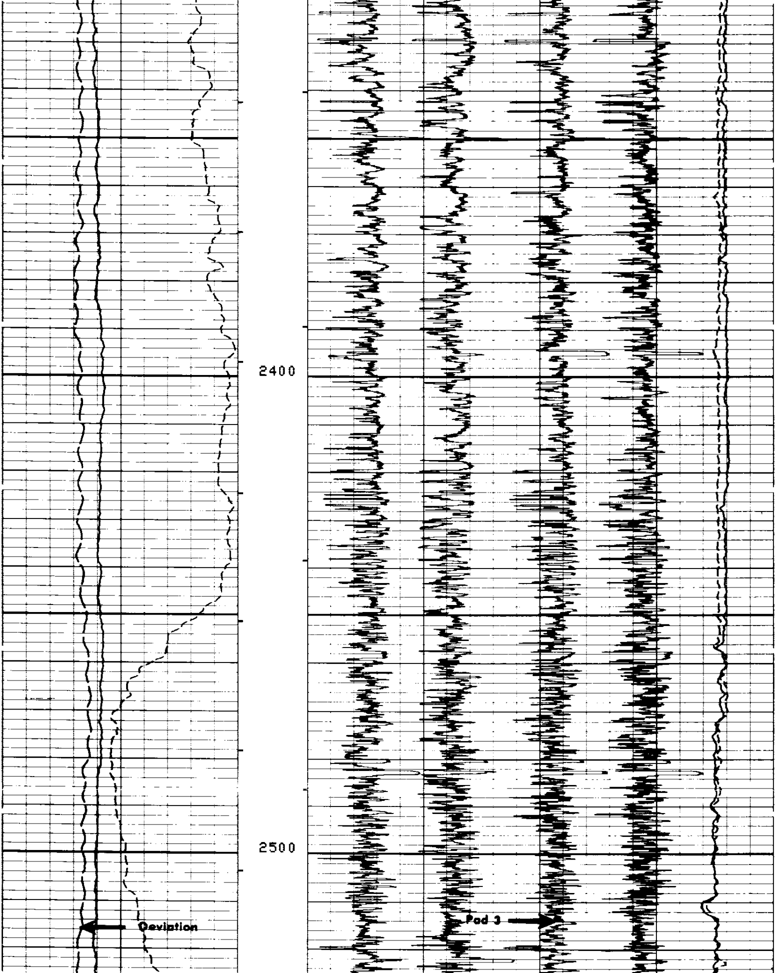


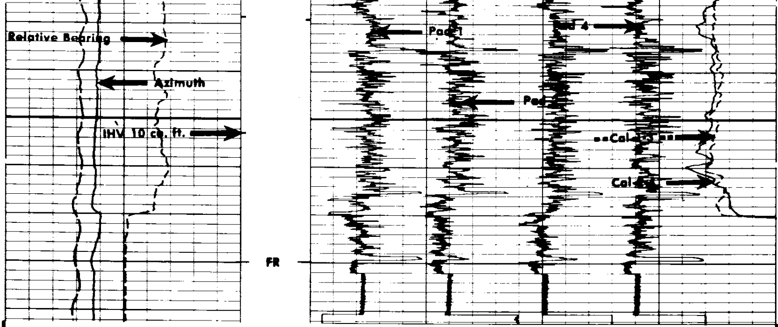












CP 28.4A FILE 2 14-SEP-86 07:53

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		

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	21	DEG
BHS	OPEN		STYP	HDSD	
BS	8.50000	IN			

EVENT MARK SUMMARY:

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

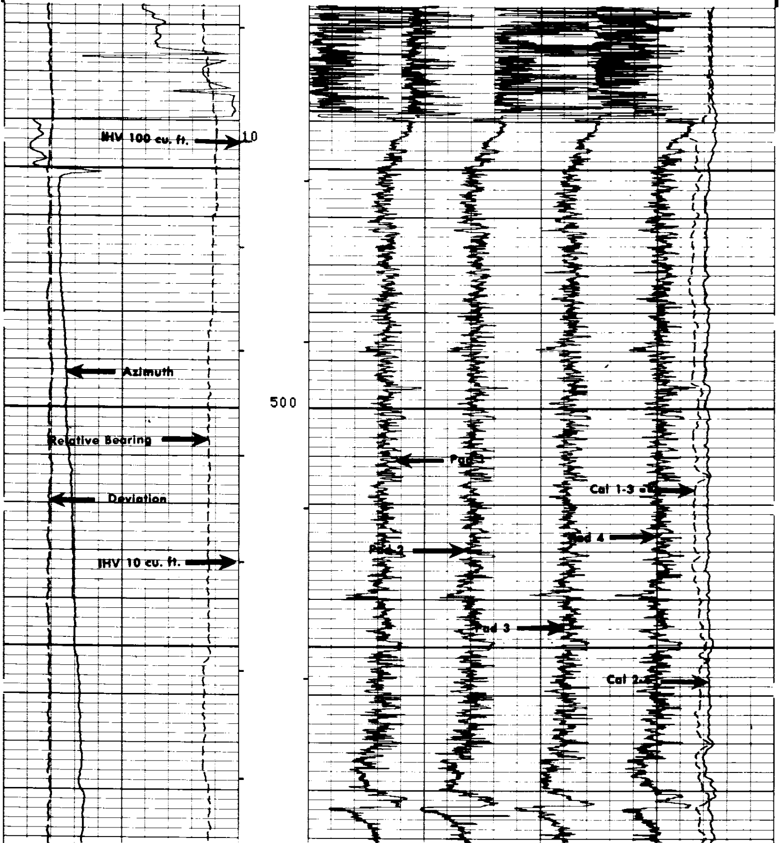
CEMENT VOLUME = 63.4811 F3
HOLE VOLUME = 101.978 F3
FROM 673.3 TO 440.0 FEET

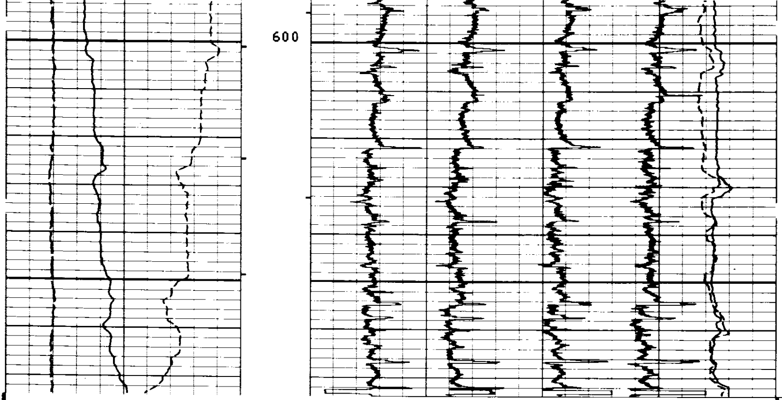
DEVI(DEG)
-1.000 9.0000
RB (DEG)
-40.00 360.00
AZIM(DEG)
-40.00 360.00

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

CP 28.4A

FILE 1 14-SEP-86 08:58
DATA ACQUIRED 14-SEP-86 06:56





CP 28.4A

FILE 1 14-SEP-86 08:57
DATA ACQUIRED 14-SEP-86 06:48

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 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			

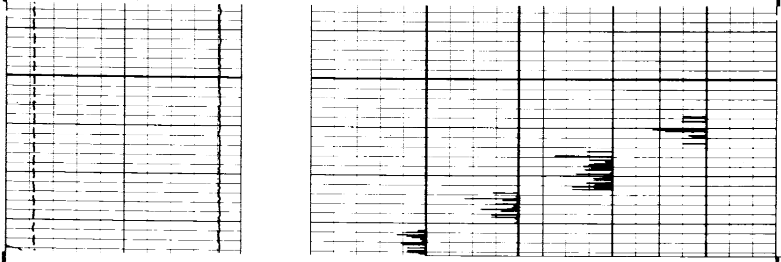
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	72		MDEC	21	DEG
BHS	OPEN		STYP	HDSD	
DO	10.0000	F	BS	8.50000	IN
PP	RECO				

TAPE NOT MADE

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

CP 28.4A FILE 0 14-SEP-86 06:35



CP 28.4A FILE 0 14-SEP-86 06:33

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 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	8.50000	IN			

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 14-SEP-86 06:33
PROGRAM FILE: HDT (VERSION 28.4A 85/11/11)

HDTD

CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
C1	8.45	13.1	8.00	12.0	IN
C2	8.71	13.2	8.00	12.0	IN

CP 28.4A FILE 0 14-SEP-86 06:33

COMPANY ARCO OIL AND GAS COMPANY
WELL CAVENAM FOREST INDUSTRIES NO. 41-4
FIELD MIST
COUNTY COLUMBIA STATE OREGON

SCHL. FR 2580
SCHL. TD 2581
DRLR. TD 2584

Elev: KB 897.5
DF 896.5
GL 886.5