Schlumberger

HIGH RESOLUTION DIPMETER (RAW DATA)

CSU

COMPANY: ARCO OIL AND GAS

WELL: CFI 12-12

FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
NATION: USA
LOCATION: 1536.5' SOUTH AND 385.77' EAST FROM THE NW CORNER OF;
SEC: 12 TWP: 5 NORTH RGE: 5 WEST

OTHER SERVICES-
DIL
BHC
HDT

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 969.8 F
LOG MEASURED FROM: KB
12.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 981.8 F
DF:
GL: 969.8 F

PROGRAM TAPE NO: 28.4A
SERVICE ORDER NO: 524311

DATE: 27 SEP 86
RUN NO: ONE

DEPTH-DRILLER: 1892.0 F
DEPTH-LOGGER: 1887.0 F
BTM. LOG INTERVAL: 1887.0 F
TOP LOG INTERVAL: 900.0 F
CASING-DRILLER: 468.0 F
CASING-LOGGER: 468.0 F
CASING: 9 5/8"
WEIGHT: 47.0000 LB/F
BIT SIZE: 8 1/2"
DEPTH: 1892.0 F

JAN 23 1987

TYPE FLUID IN HOLE: DISPERSED
DENSITY: 10.20 LB/G
VISCOSITY: 37.0 S
PH: 9.9
FLUID LOSS: 5.6 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 3.370 OHMM AT 67.0 DEGF
RMF: 5.260 OHMM AT 59.0 DEGF
RMC: 7.390 OHMM AT 60.0 DEGF
SOURCE RMF/RMC: MEAS/MEAS
RM AT BHT: 2.598 OHMM AT 89.0 DEGF
RMF AT BHT: 3.616 OHMM AT 89.0 DEGF
RMC AT BHT: 5.158 OHMM AT 89.0 DEGF

TIME CIRC. STOPPED: 1030 9/27
TIME LOGGER ON BTM.: 1700 9/27

MAX. REC. TEMP: 89.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: BLAZE

REMARKS:

RIG: H&C #5
YOUR CREW: SILVIA AND SALVATO.
THANKYOU FOR USING SCHLUMBERGER!
TWO THERMOMETERS RUN: T1 = 89F, T2 = 86F.

EQUIPMENT NUMBERS-

DIS 1181	DIC 658	PGS 542	PDH 340
GSR 6608	SFT 1171	CNC 1132	

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.

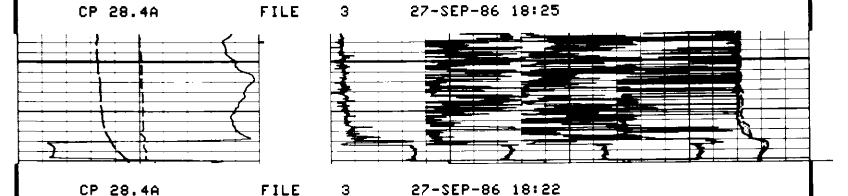
EVENT MARK SUMMARY:

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

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

CASING CHECK

CP 28.4A FILE 3 27-SEP-86 18:25



CP 28.4A FILE 3 27-SEP-86 18:22

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	
BS	8.50000	IN			

EVENT MARK SUMMARY:

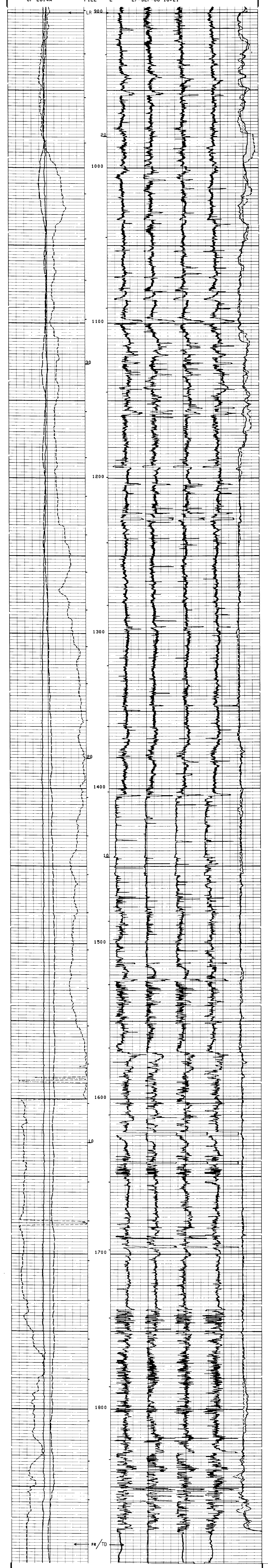
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE
ICV	10.0000 F3	RIGHT EDGE

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

CP 28.4A FILE 2 27-SEP-86 18:21



CP 28.4A FILE 2 27-SEP-86 17:56

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			

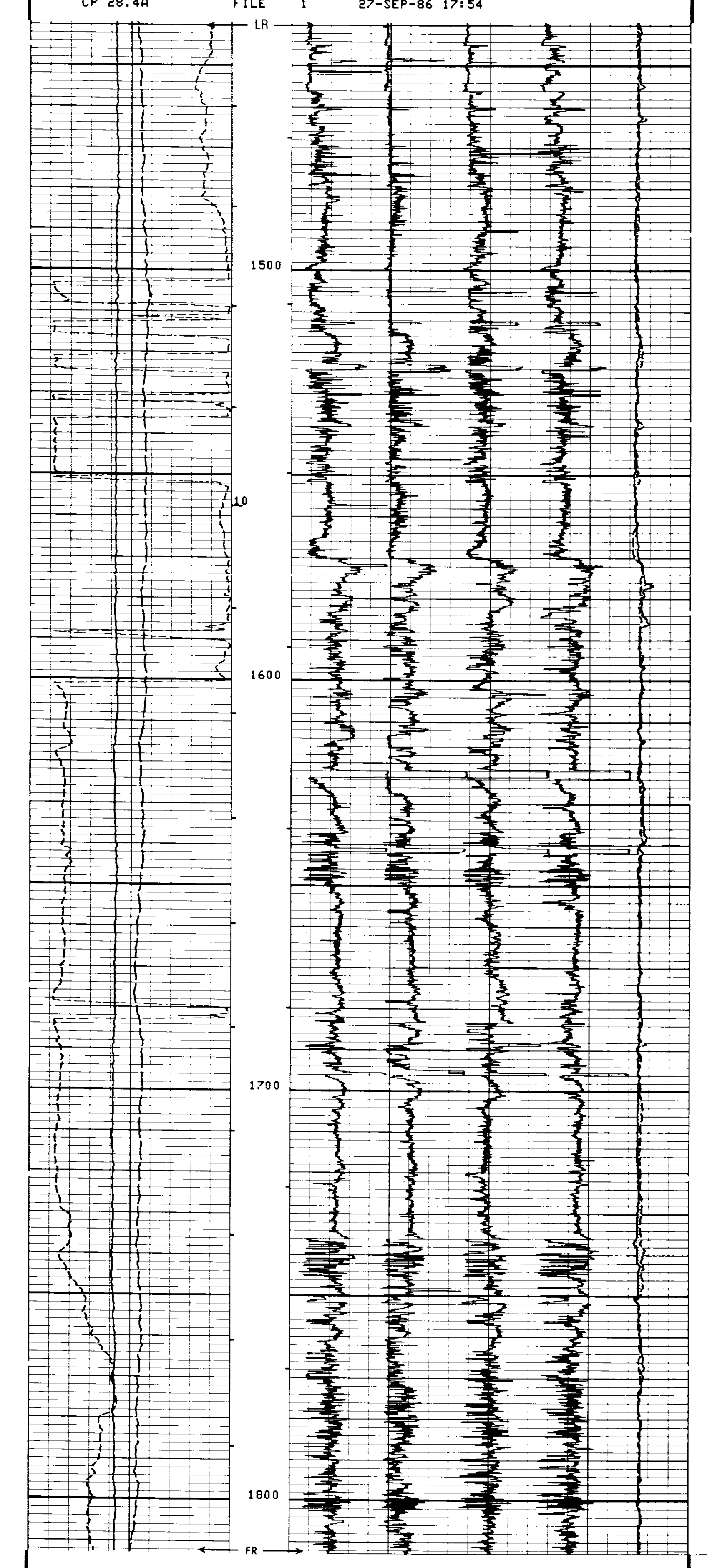
EVENT MARK SUMMARY:

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

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

REPEAT SECTION

CP 28.4A FILE 1 27-SEP-86 17:54



CP 28.4A FILE 1 27-SEP-86 17:45

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			

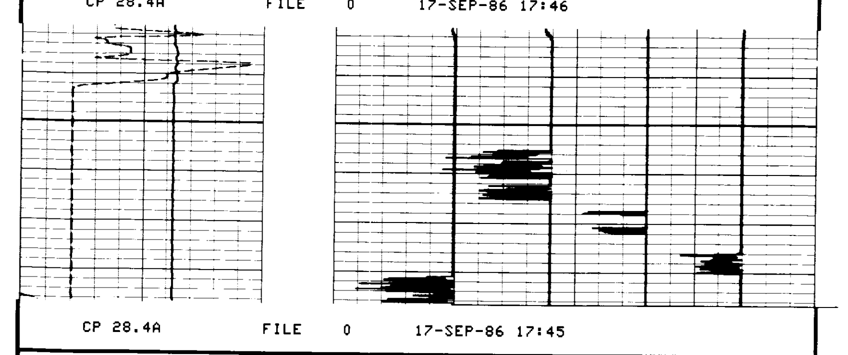
PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
MCT	72		MDEC	0	DEG
BHS	OPEN		STYP	HDSD	
BS	8.50000	IN			

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

PAD CHECK

CP 28.4A FILE 0 17-SEP-86 17:46



CP 28.4A FILE 0 17-SEP-86 17:45

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	8.00000	IN			

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 17-SEP-86 17:44
PROGRAM FILE: HDT (VERSION 28.4A 86/04/03)

HDTD CALIPER CALIBRATION SUMMARY

	MEASURED SMALL	MEASURED LARGE	CALIBRATED SMALL	CALIBRATED LARGE	UNITS
C1	8.49	13.1	8.00	12.0	IN
C2	8.75	13.2	8.00	12.0	IN

CP 28.4A FILE 0 17-SEP-86 17:44