Scanned

Schlumberger

STRATIGRAPHIC DIPMETER LOG

COUNTY COLUMBIA
FIELD MIST
LOCATION SEE REMARKS
WELL FOSTER 42-30-65
COMPANY ARCO OIL AND GAS COMPANY

COMPANY	ARCO OIL AND GAS COMPANY
WELL	FOSTER 42-30-65
FIELD	MIST
COUNTY	COLUMBIA **STATE** OREGON

LOCATION	SEE REMARKS			Other Services: DIL SLT LDT CNL CST
API SERIAL NO.	SECT. 30	TWP. 6N	RANGE 5W	

Permanent Datum	GL	Elev. 545.5 F		Elev.:K.B. 556.5 F
Log Measured From	KB	11.0 F	above Perm. Datum	D.F. 555.5 F
Drilling Measured From	KB			G.L. 545.5 F

Date	22-NOV-87			
Run No.	ONE			
Depth Driller	2658.0 F			
Depth Logger (Schl.)	2656.0 F			
Btm. Log Interval	2656.0 F			
Top Log Interval	474.0 F			
Casing-Driller	9 5/8 @ 476.0 F	@	@	@
Casing-Logger	474.0 F			
Bit Size	8 1/2			
Type Fluid in Hole	DRISPAC			
Dens. | Visc.	11.40 LB/G	40.0 S		
pH | Fld. Loss	9.5	5.8 C3		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.320 OHMM @ 87.0 DEGF		@	
Rmf @ Meas. Temp.	3.240 OHMM @ 46.0 DEGF		@	
Rmo @ Meas. Temp.	4.910 OHMM @ 46.0 DEGF		@	
Source: Rmf | Rmo	MEAS	MEAS		
Rm @ BHT	2.117 OHMM @ 96.0 DEGF		@	
TIME Circulation Ended	20:00 11/22			
TIME Logger on Bottom	09:13			
Max. Rec. Temp.	96.0 DEGF			
Equip. | Location	8504	SACRAMENTO		
Recorded By	KUNKLER			
Witnessed By	ANDERSON			

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

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 interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	ONE	
Service Order No.	506377	
Drilling Fluid Level	0.0 F	
Salinity	50.0 PPM	
Rmf @ BHT	1.667 OHMM @ 96.0 DEGF	@
Rmo @ BHT	2.527 OHMM @ 96.0 DEGF	@
Logging Speed	1800.0 F/HR	
Equipment Data		
Tool Number 1	SHDT B	
Tool Number 2	CCC B	
Tool Number 3	CCSM 17	
Tool Number 4		
Tool Number 5		
Tool Number 6		
Tool Number 7		
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:

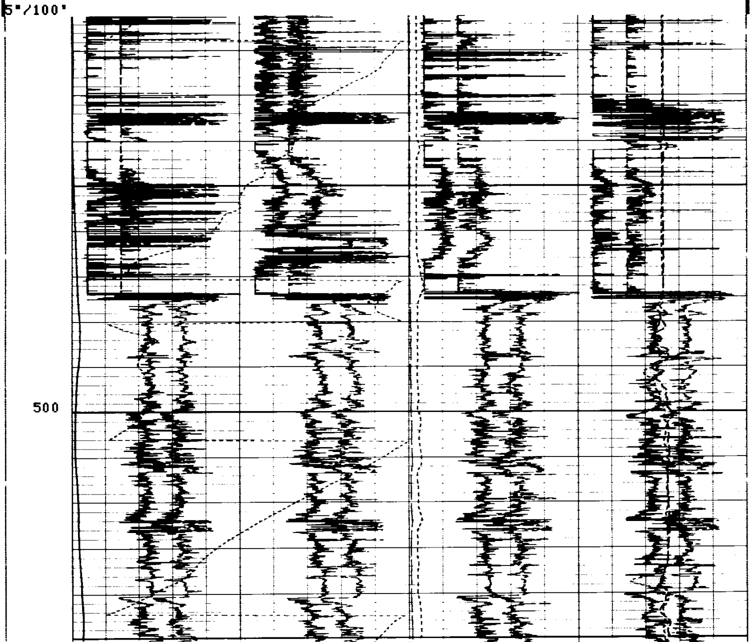
MFIN .54
INC 65 DEG
DEC 19

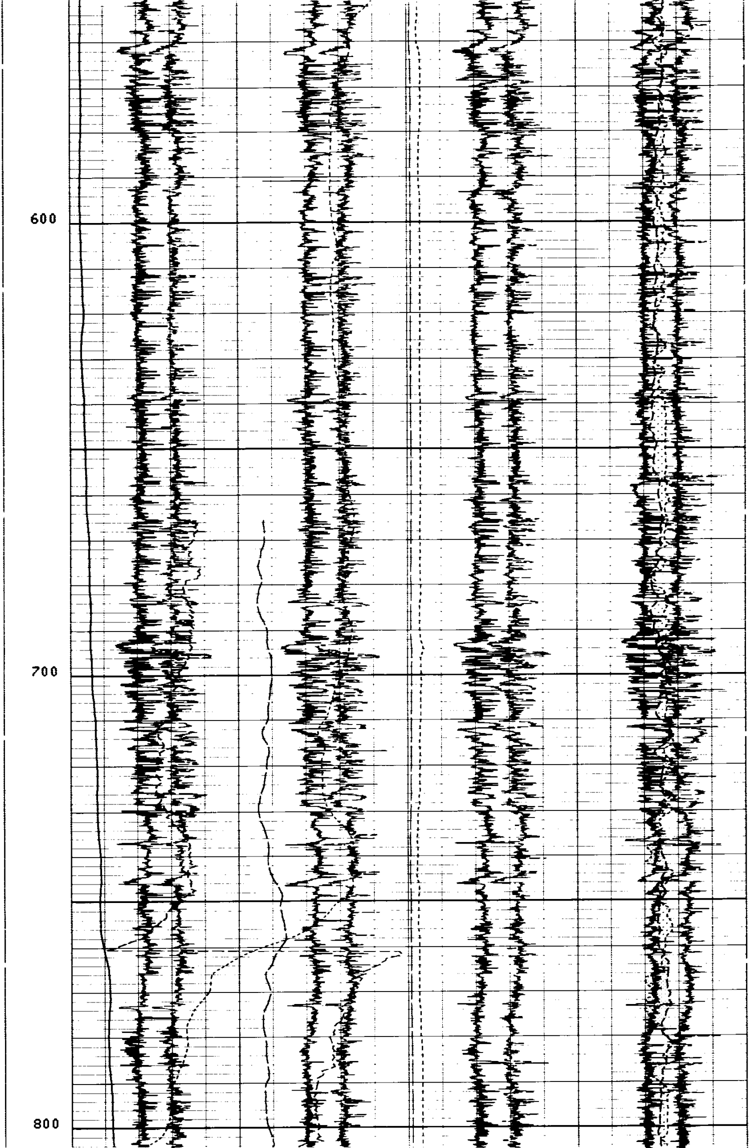
CEMENT VOLUME = 542.374 F3
HOLE VOLUME = 902.047 F3
FROM 2656.0 TO 476.0 FEET

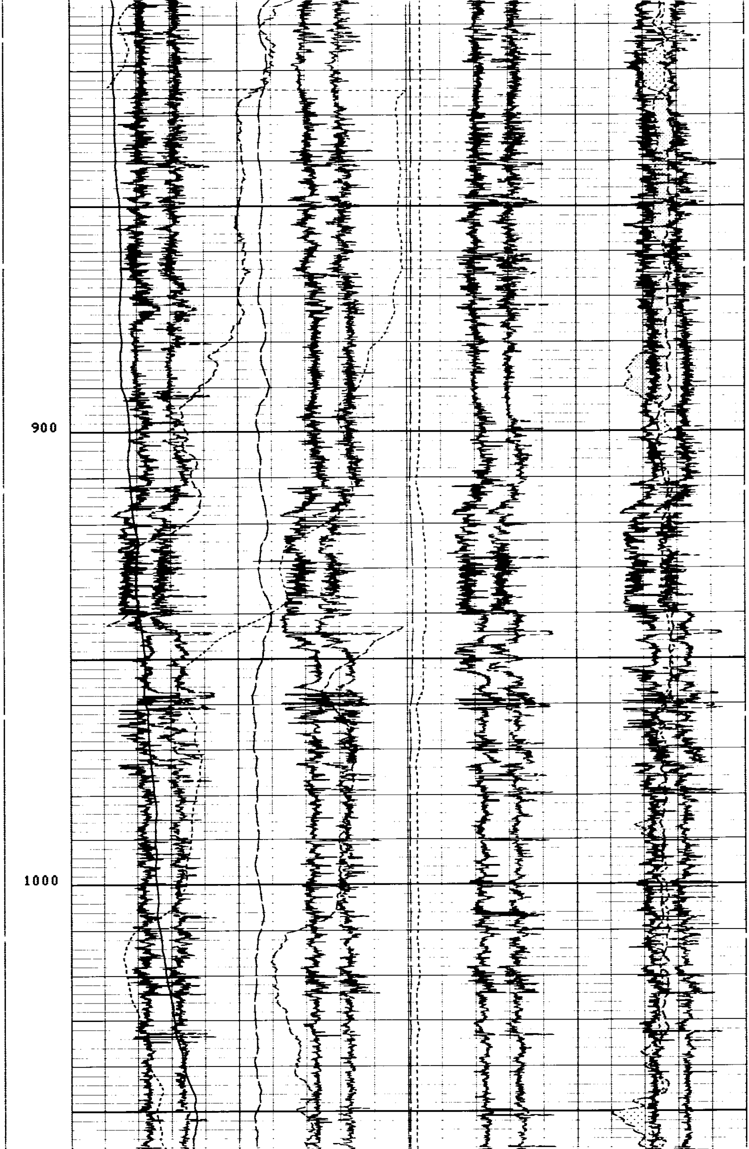
HAZI AND RB CURVES DISALLOWED WHEN DEV LESS THAN 0.5 DEG
NO KNUCKLE JOINT IS USED (SOFF = -1)

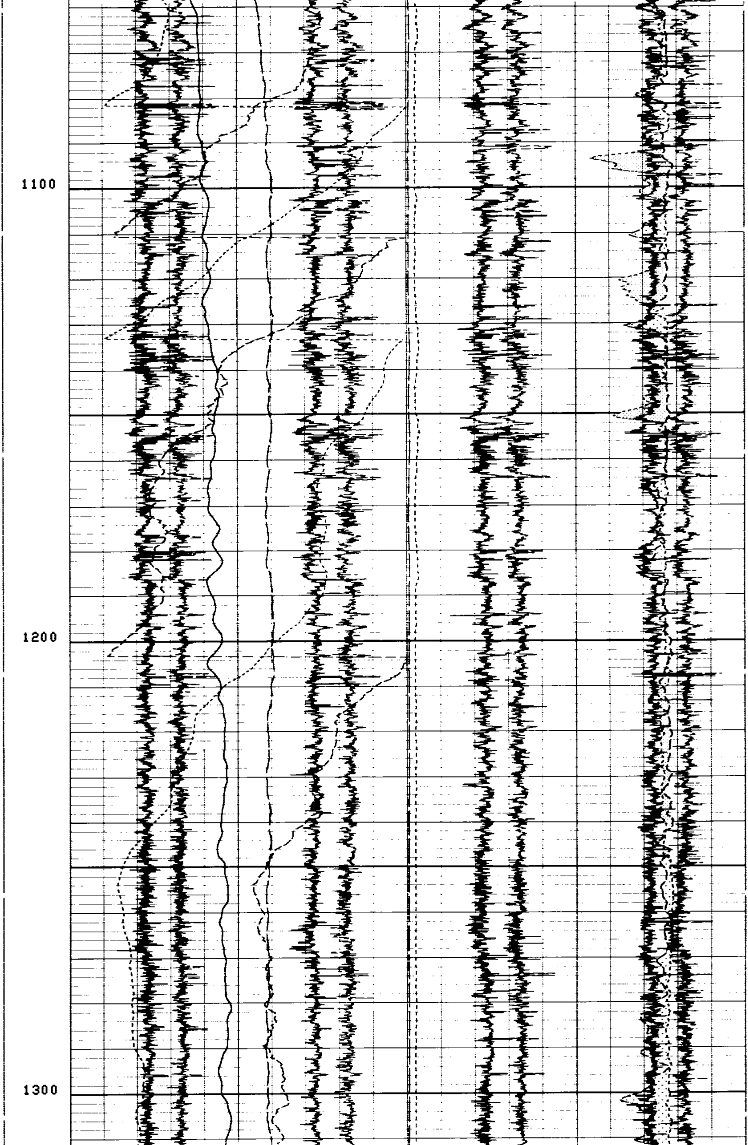
Curve	Left	Right
DB1A	-1000.	4000.0
DB2A	-1000.	4000.0
EV (VOLT)	0.0	50.000
DB1	0.0	5000.0
DB2	0.0	5000.0
EI (AMPS)	0.0	10.000
RB (DEG)	-40.00	360.00
DB3A	-1000.	4000.0
DB4A	-1000.	4000.0
P1AZ(DEG)	-40.00	360.00
DB3	0.0	5000.0
DB4	0.0	5000.0
HAZI(DEG)	-40.00	360.00
C1 (IN)	24.000	4.0000
DEVI(DEG)	0.0	10.000
C2 (IN)	24.000	4.0000

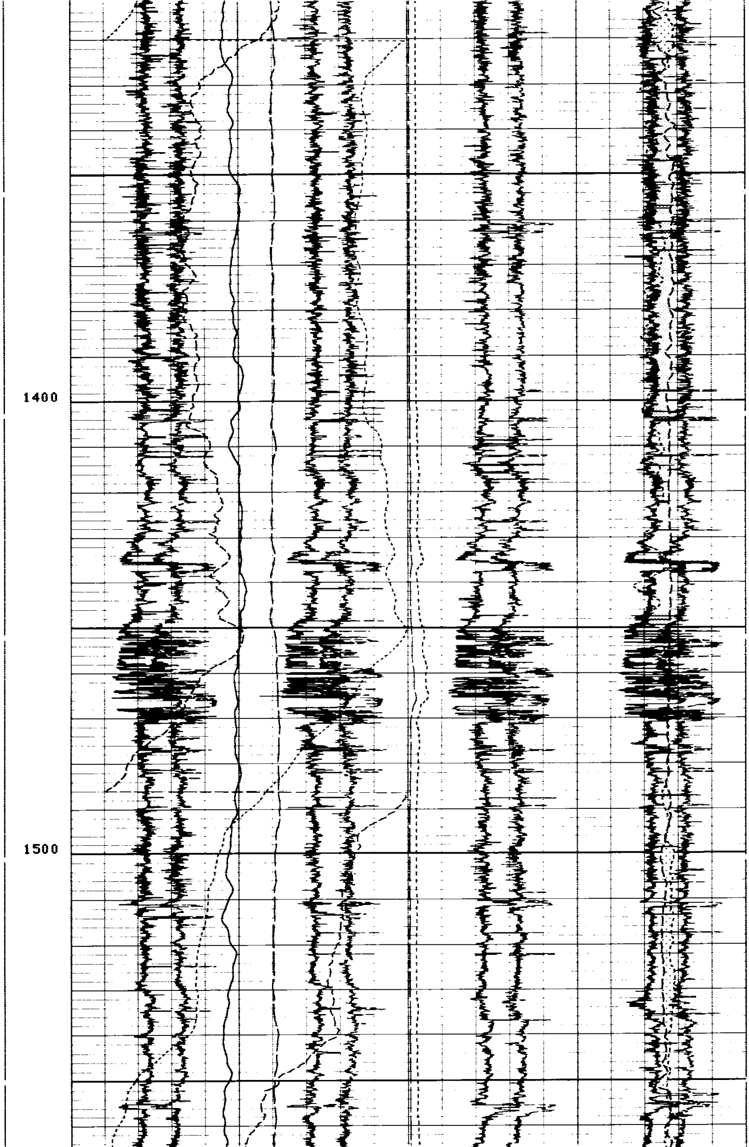
CP 30.22 FILE 5 23-NOV-87 10:15

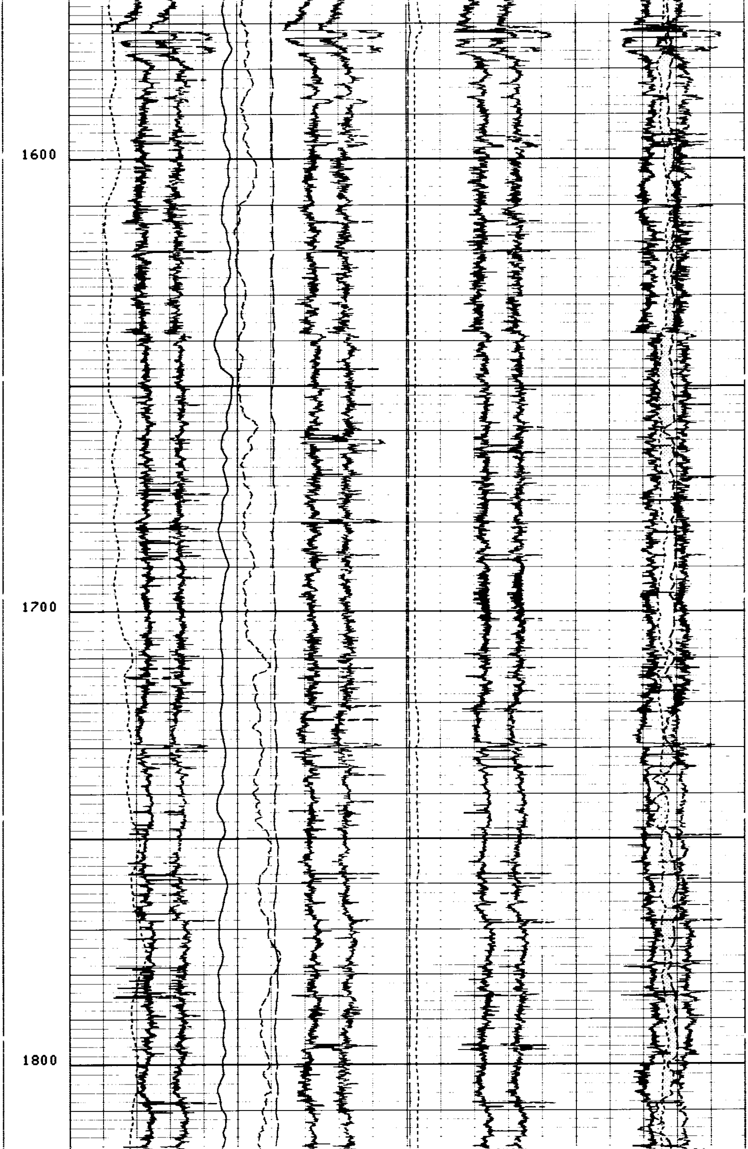


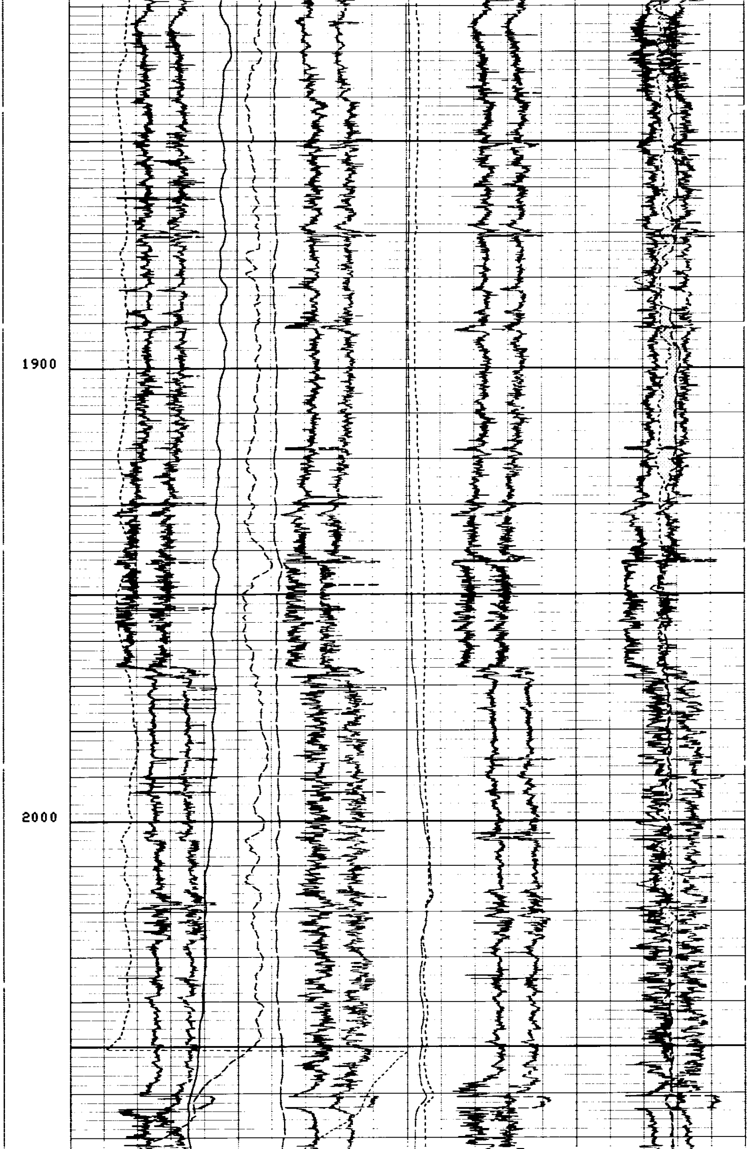


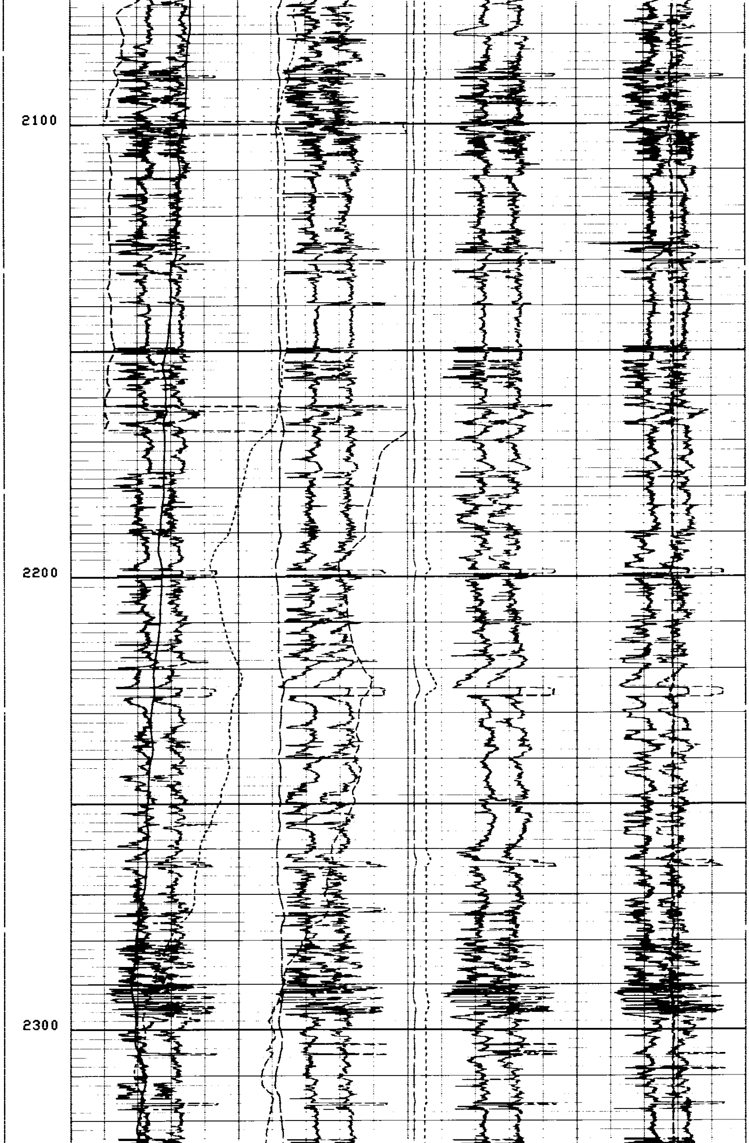


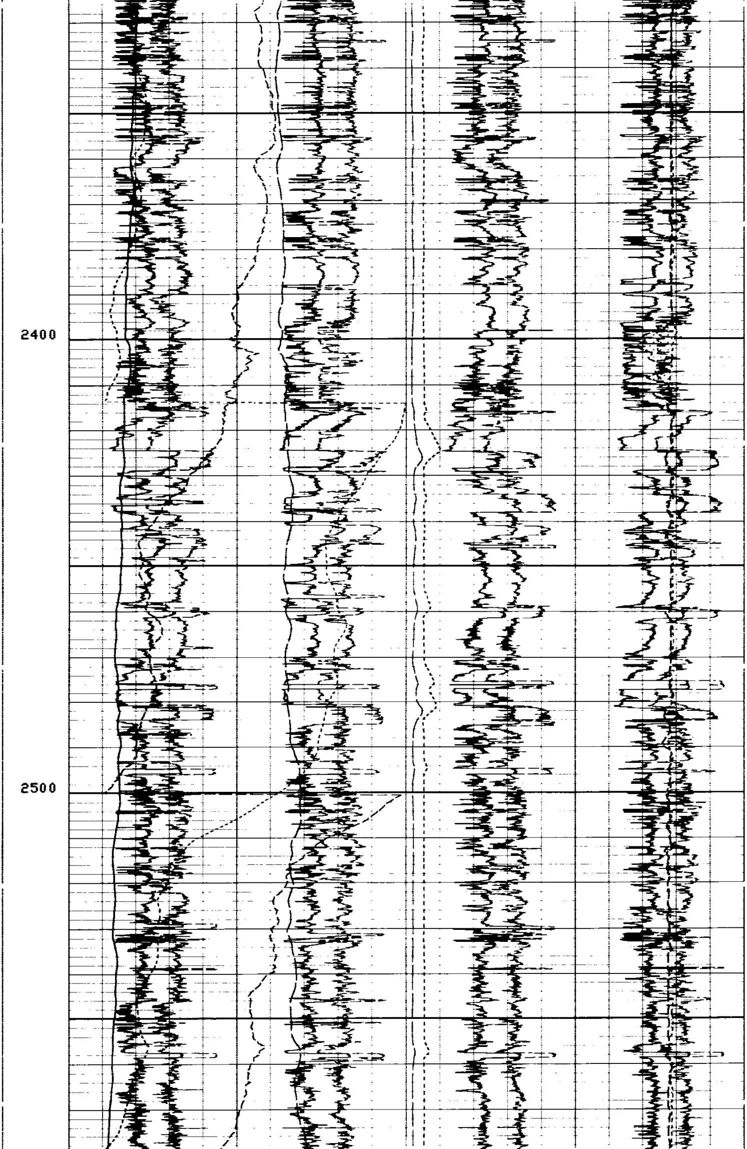


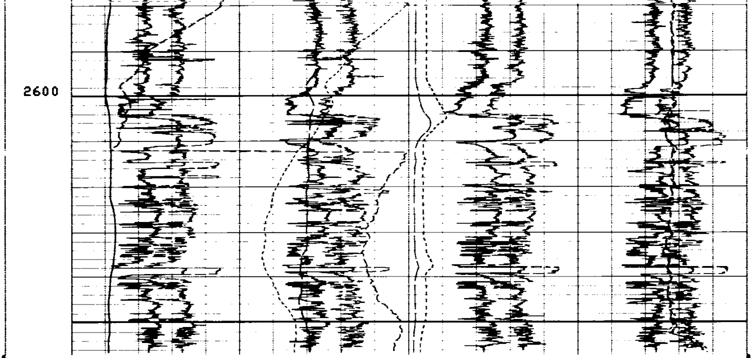












5"/100'

CP 30.22 FILE 5 23-NOV-87 09:28

Track 1	Track 2	Track 3	Track 4
DB1A	DB2A	EV (VOLT)	
-1000. 4000.0	-1000. 4000.0	0.0 50.000	
DB1	DB2	EI (AMPS)	
0.0 5000.0	0.0 5000.0	0.0 10.000	
RB (DEG)		DB3A	DB4A
-40.00	360.00	-1000. 4000.0	-1000. 4000.0
P1AZ(DEG)		DB3	DB4
-40.00	360.00	0.0 5000.0	0.0 5000.0
HAZI(DEG)		C1 (IN)	
-40.00	360.00	24.000	4.0000
DEVI(DEG)		C2 (IN)	
0.0	10.000	24.000	4.0000

SENSOR MEASURE POINT TO TOOL ZERO

TENS	1.2	FEET	SHDW	1.2	FEET
DCHV	1.2	FEET	ADCR	1.2	FEET
C2	1.2	FEET	C1	1.2	FEET
EV	1.2	FEET	EI	1.2	FEET
FY	1.2	FEET	FX	1.2	FEET
PP	1.2	FEET	FZ	1.2	FEET
RAD2	1.2	FEET	RAD1	1.2	FEET
RAD4	1.2	FEET	RAD3	1.2	FEET
ATEM	1.2	FEET	ADCZ	1.2	FEET
VPR	1.2	FEET	VMR	1.2	FEET
AY	1.2	FEET	AX	1.2	FEET
AZ	1.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
BS	8.50000	IN	BHS	OPEN	
XOFF	0		SOFF	-1.00000	IN
XMOD	AUTO		XGAI	2	
VREF	-5.00000	VDC	FCDD	1.	
SHDS	B		SHDI	BB	
MDEC	19.0000	DEG			

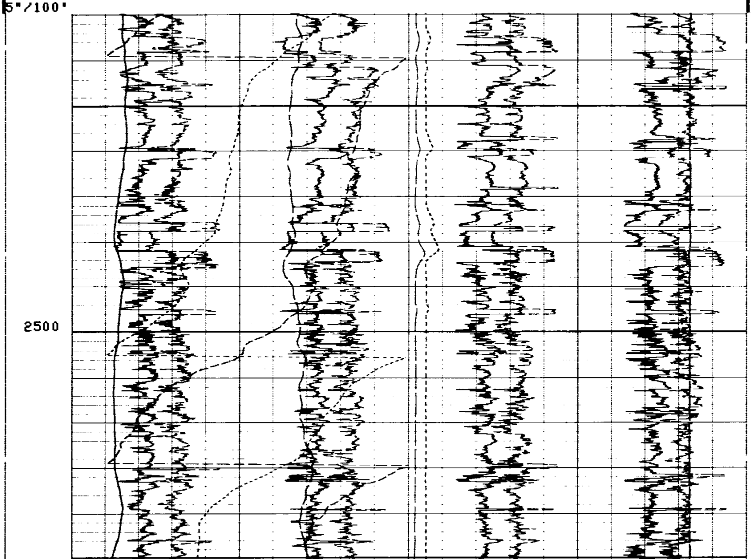
CEMENT VOLUME = 29.7475 F3
HOLE VOLUME = 67.1997 F3
FROM 2656.0 TO 2429.0 FEET

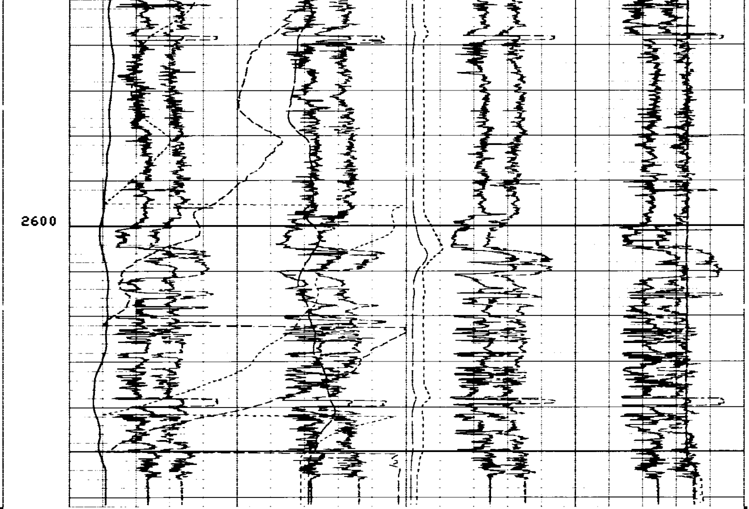
HAZI AND RB CURVES DISALLOWED WHEN DEV LESS THAN 0.5 DEG
NO KNUCKLE JOINT IS USED (SOFF = -1)

DB1A		DB2A		EV (VOLT)			
-1000.	4000.0	-1000.	4000.0	0.0	50.000		
DB1		DB2		EI (AMPS)			
0.0	5000.0	0.0	5000.0	0.0	10.000		
RB (DEG)				DB3A		DB4A	
-40.00			360.00	-1000.	4000.0	-1000.	4000.0
P1AZ(DEG)				DB3		DB4	
-40.00			360.00	0.0	5000.0	0.0	5000.0
HAZI(DEG)				C1 (IN)			
-40.00			360.00	24.000			4.0000
DEVI(DEG)				C2 (IN)			
0.0			10.000	24.000			4.0000

REPEAT SECTION

CP 30.22 FILE 3 23-NOV-87 09:19





5"/100'

CP 30.22 FILE 3 23-NOV-87 09:13

DB1A	DB2A	EV (VOLT)	
-1000. 4000.0	-1000. 4000.0	0.0 50.000	
DB1	DB2	EI (AMPS)	
0.0 5000.0	0.0 5000.0	0.0 10.000	
RB (DEG)		DB3A	DB4A
-40.00 360.00		-1000. 4000.0	-1000. 4000.0
P1AZ(DEG)		DB3	DB4
-40.00 360.00		0.0 5000.0	0.0 5000.0
HAZI(DEG)		C1 (IN)	
-40.00 360.00		24.000 4.0000	
DEVI(DEG)		C2 (IN)	
0.0 10.000		24.000 4.0000	

SENSOR MEASURE POINT TO TOOL ZERO

TENS	1.2	FEET	SHDW	1.2	FEET
DCHV	1.2	FEET	ADCR	1.2	FEET
C2	1.2	FEET	C1	1.2	FEET
EV	1.2	FEET	EI	1.2	FEET
FY	1.2	FEET	FX	1.2	FEET
PP	1.2	FEET	FZ	1.2	FEET
RAD2	1.2	FEET	RAD1	1.2	FEET
RAD4	1.2	FEET	RAD3	1.2	FEET
ATEM	1.2	FEET	ADCZ	1.2	FEET
VPR	1.2	FEET	VMR	1.2	FEET
AY	1.2	FEET	AX	1.2	FEET
AZ	1.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT

```
BS   8.50000      IN                        BHS  OPEN
XOFF 0                                      SOFF -1.00000    IN
XMOD AUTO                                   XGAI 2
VREF -5.00000     VDC                       FCDD 1.
SHDS B                                      SHDI BB
MDEC 19.0000      DEG
```

```
                BEFORE SURVEY CALIBRATION SUMMARY


  PERFORMED:     23-NOV-87 08:39
  PROGRAM FILE:  SHDT   (VERSION    30.22   87/02/10  87/02/09)


SHDT                CALIPER CALIBRATION SUMMARY

              MEASURED                          CALIBRATED
           SMALL    LARGE                    SMALL      LARGE       UNITS
    C1     7.83     12.1                     8.00       12.0         IN
    C2     7.96     12.3                     8.00       12.0         IN
```

COMPANY	ARCO OIL AND GAS COMPANY			**SCHL. FR**	**2656.0 F**
				SCHL. TD	**2656.0 F**
				DRLR. TD	**2658.0 F**
WELL	FOSTER 42-30-65			**Elev: KB**	**556.5 F**
FIELD	MIST			**DF**	**555.5 F**
COUNTY	COLUMBIA	**STATE**	OREGON	**GL**	**545.5 F**

Schlumberger

STRATIGRAPHIC DIPMETER LOG