Schlumberger

2" & 5" BOREHOLE COMPENSATED SONIC

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: 2537.0 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

OTHER SERVICES-
FDC-CNL-GR
DITD
WST
HDT
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: 2.393 OHMM AT 97.0 DEGF
RMF AT BHT: 2.139 OHMM AT 97.0 DEGF
RMC AT BHT: 2.285 OHMM AT 97.0 DEGF

TIME CIRC. STOPPED: 21:30
TIME LOGGER ON BTM.: 01:13

MAX. REC. TEMP: 97.0 DEGF

LOGGING UNIT NO: 8128

LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: K. HARPER
WITNESSED BY: J. JACKSON

REMARKS:

DITD RUN IN COMBINATION WITH SONIC

EQUIPMENT NUMBERS-

DIS 1342 DIC 1386 SLS RC 480

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.

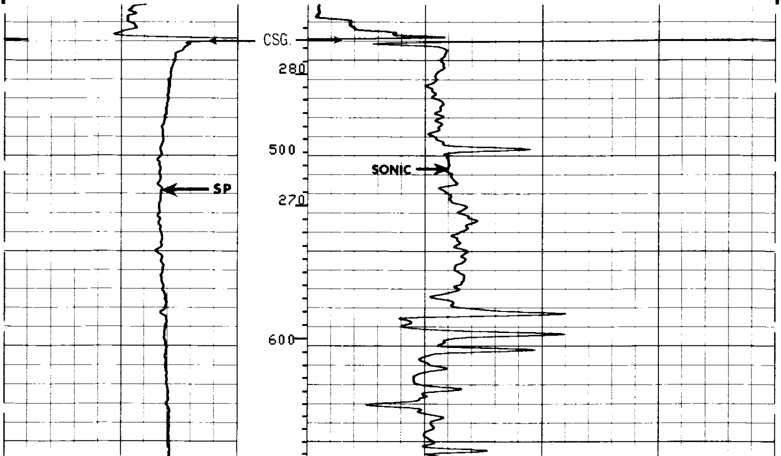
CP 28.4A FILE 5 14-SEP-86 02:35
DATA ACQUIRED 14-SEP-86 01:17

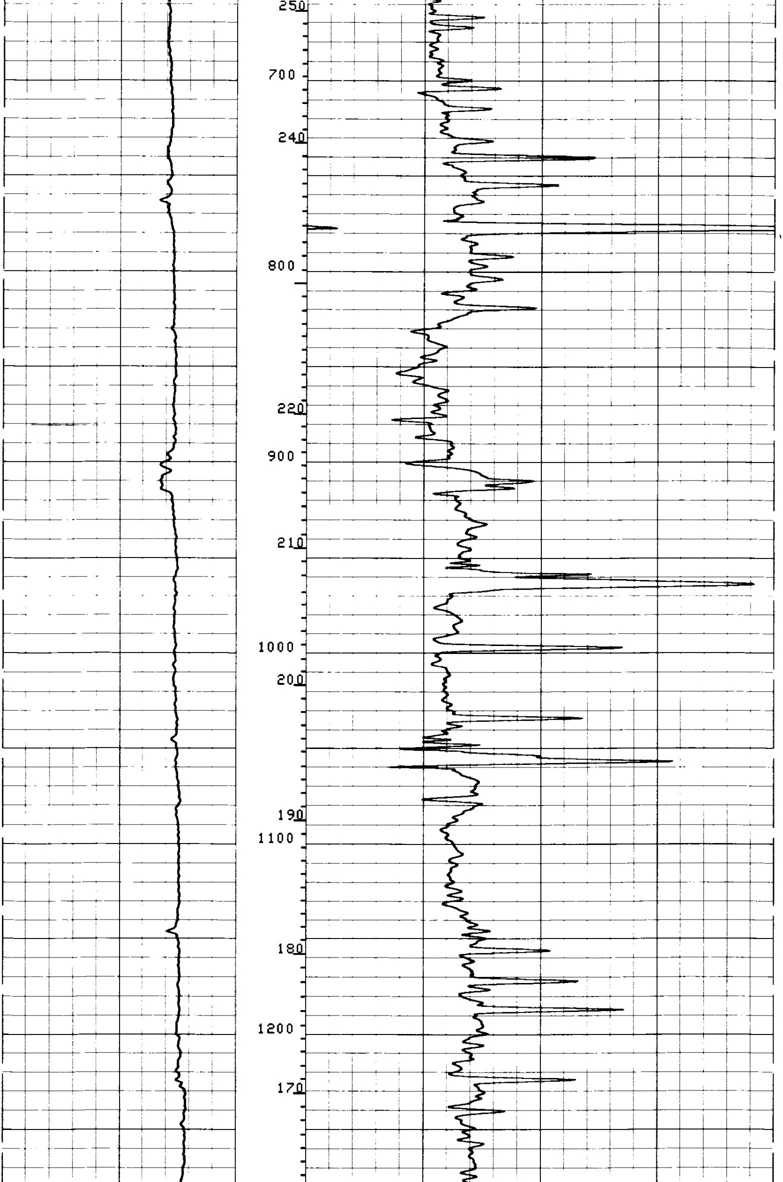
EVENT MARK SUMMARY:

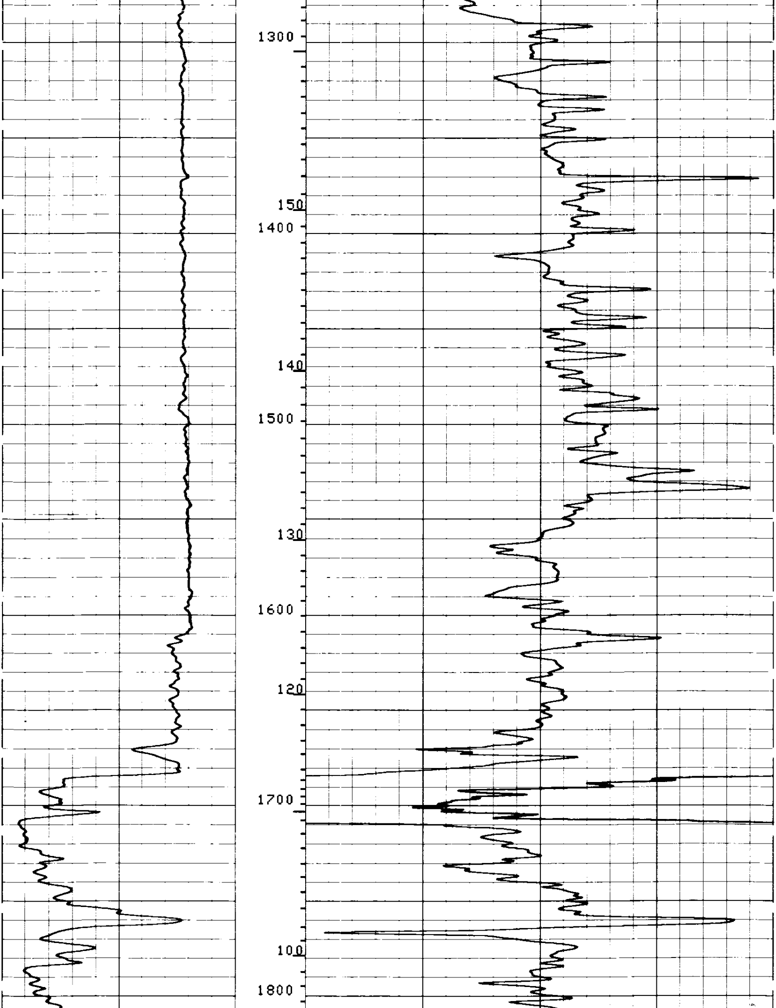
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
ITT	.00100000 S	RIGHT EDGE

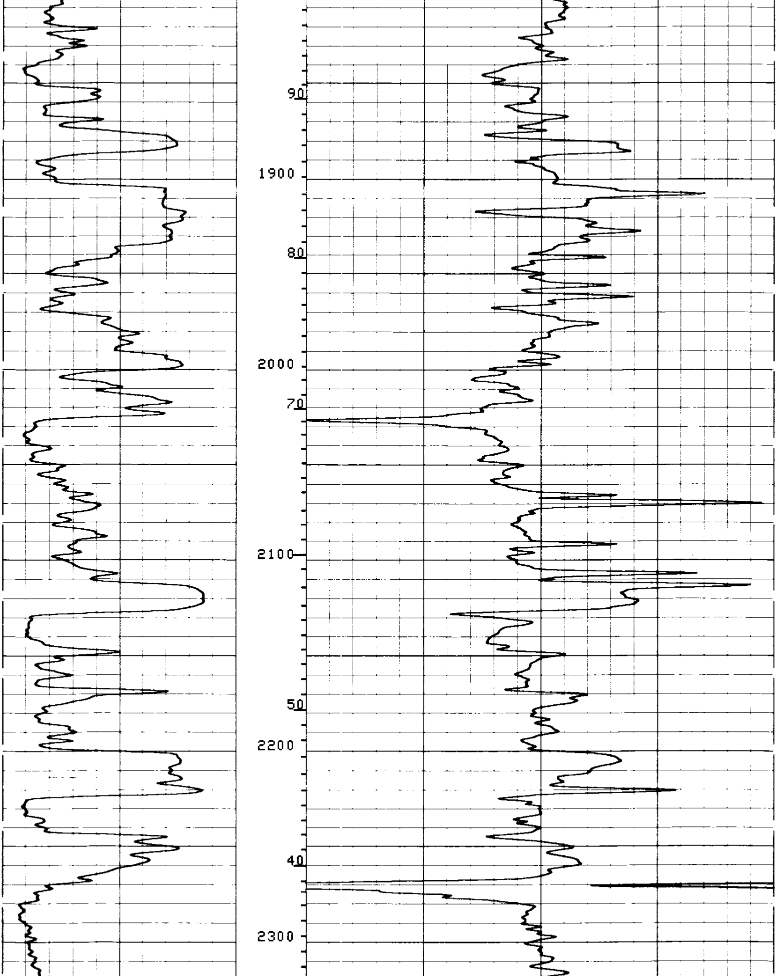
SP (MV)			DT (US/F)	
-90.00	10.000		175.00	75.000

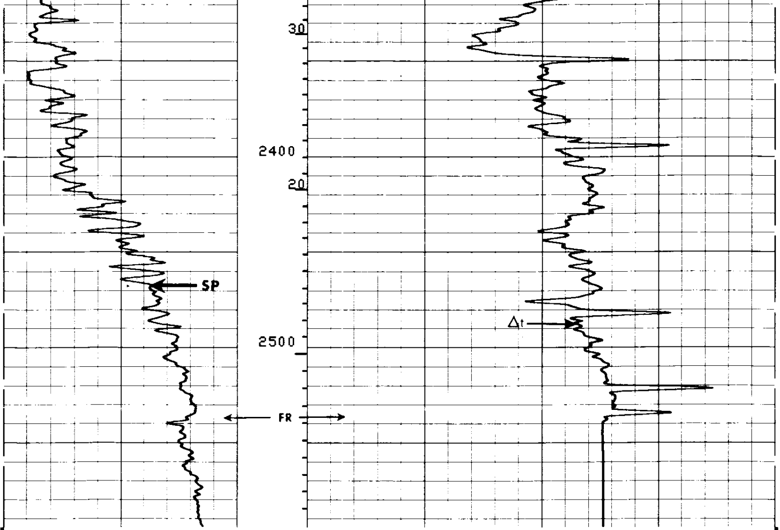
CP 28.4A FILE 5 14-SEP-86 02:19
DATA ACQUIRED 14-SEP-86 02:07











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CP 28.4A            FILE      5          14-SEP-86 02:15
                    DATA ACQUIRED        14-SEP-86 01:13
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SP (MV)			DT (US/F)	
-90.00	10.000		175.00	75.000

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.4	FEET	AMPL	43.9	FEET
TT1	42.9	FEET	CBL	43.9	FEET
TT3	40.2	FEET	TT2	43.9	FEET
T0	43.9	FEET	TT4	39.2	FEET
SLTT	43.9	FEET	TT	43.9	FEET
CALI	31.8	FEET	SCBL	43.9	FEET
ILM	5.8	FEET	ILD	9.4	FEET
SP	2.5	FEET	SFL	6.4	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

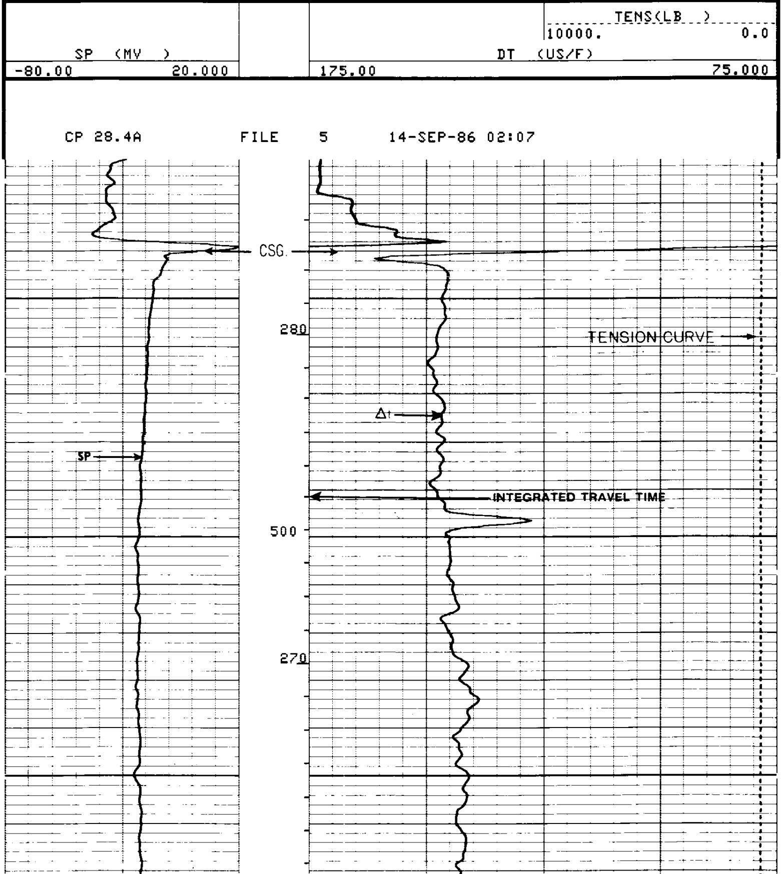
NAME	VALUE	UNIT	NAME	VALUE	UNIT
SPFS	R-H		RMF	3.32000	
DTM	56.0000	US/F	CDTS	100.000	
DDEL	200	US	DTF	189.000	US/F
DWCO	512		DSIN	5	US
SBR	1.00000	OHMM	DSEC	7.20000	MMHO
FPHI	SPHI		MSEC	9.00000	MMHO
BS	8.50000	IN	BHS	OPEN	
SPDR	0.0		DO	0.0	F
PP	NORM				

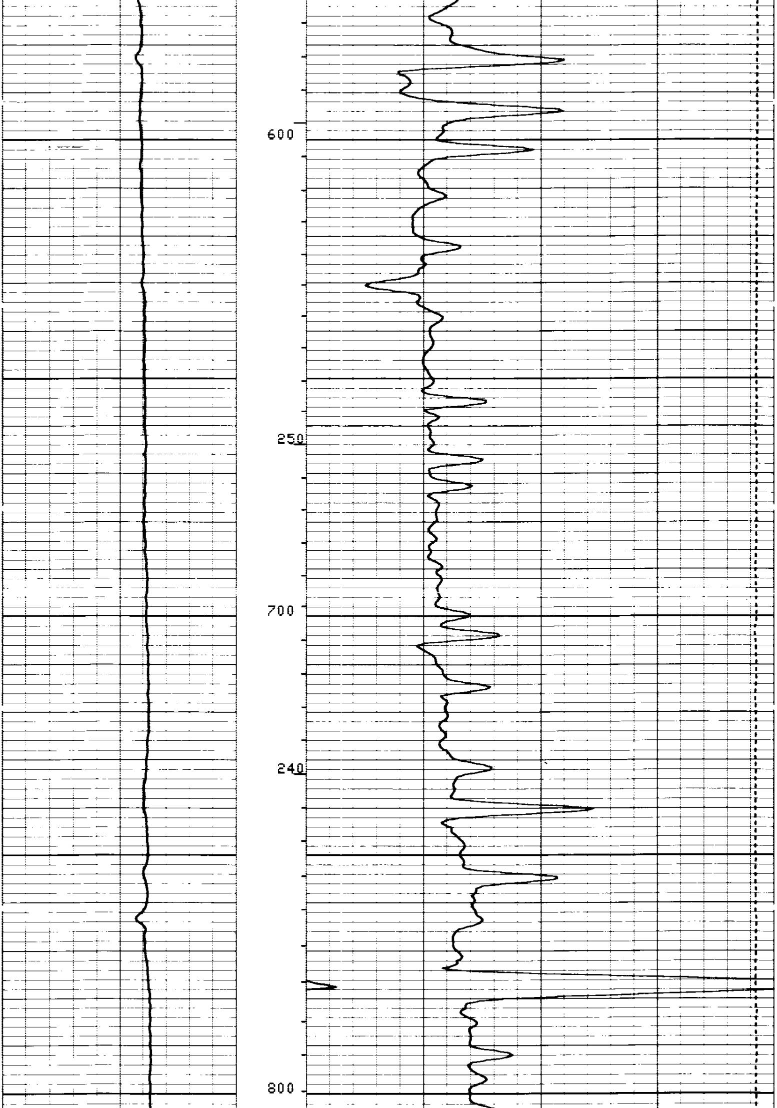
TAPE NOT MADE

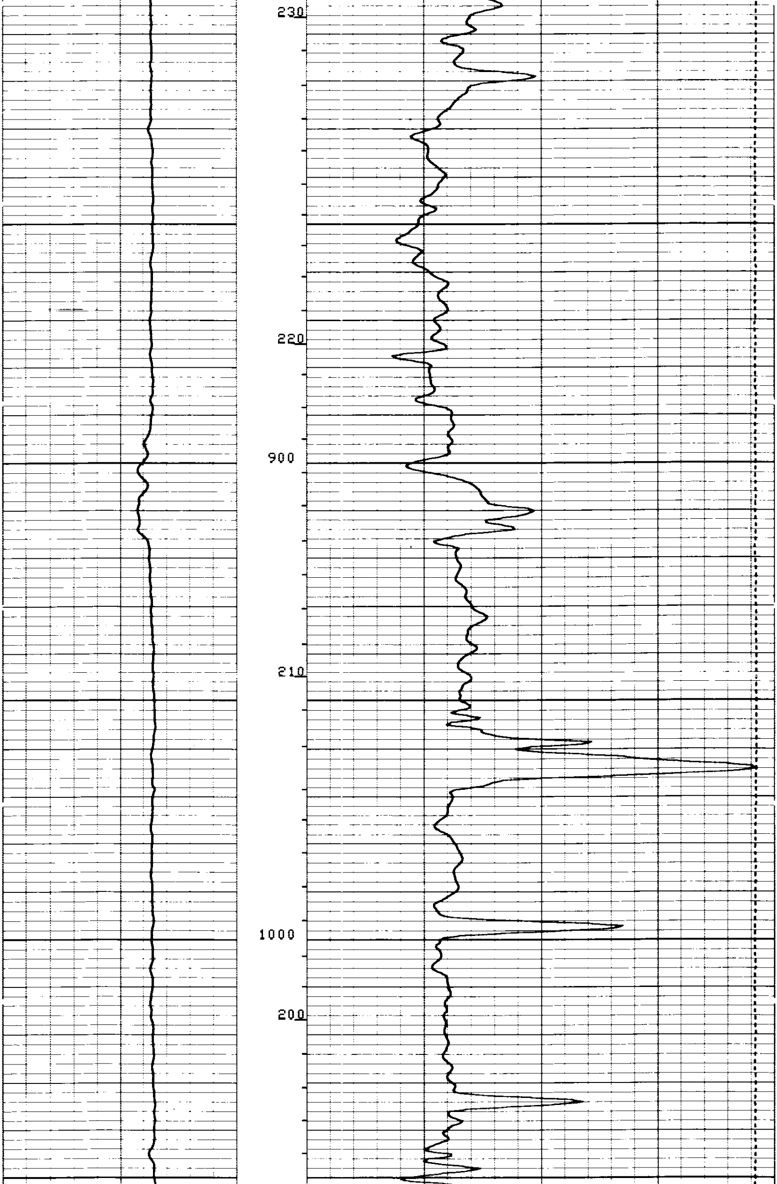
EVENT MARK SUMMARY:

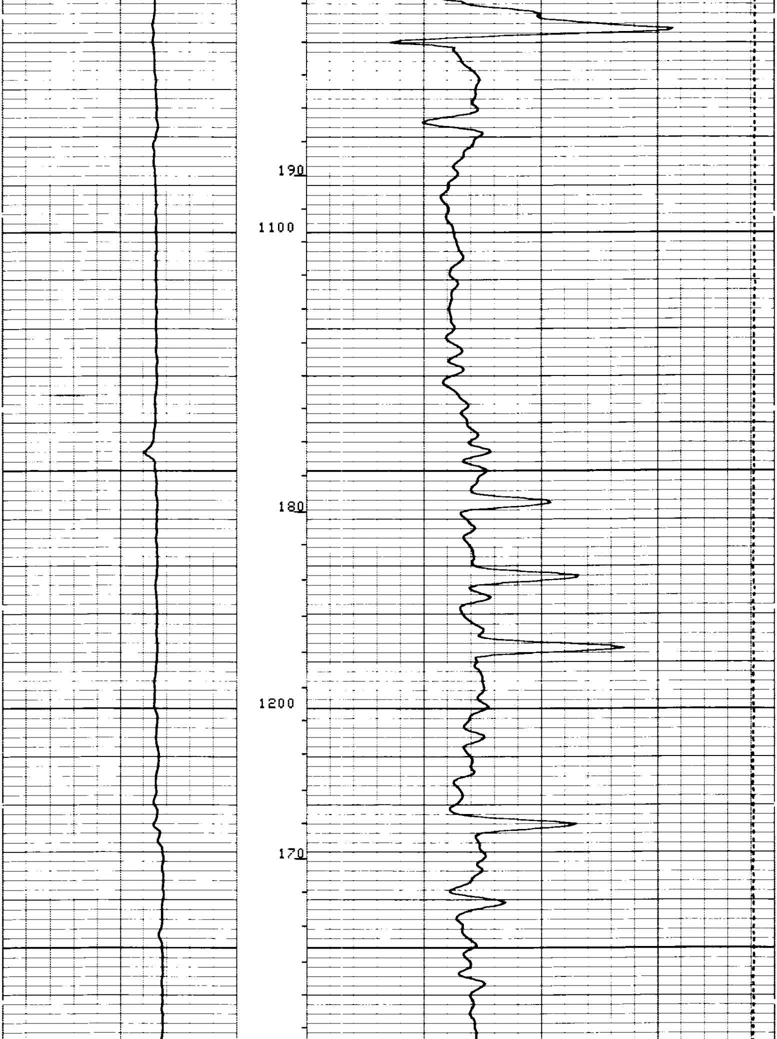
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
ITT	.00100000 S	RIGHT EDGE

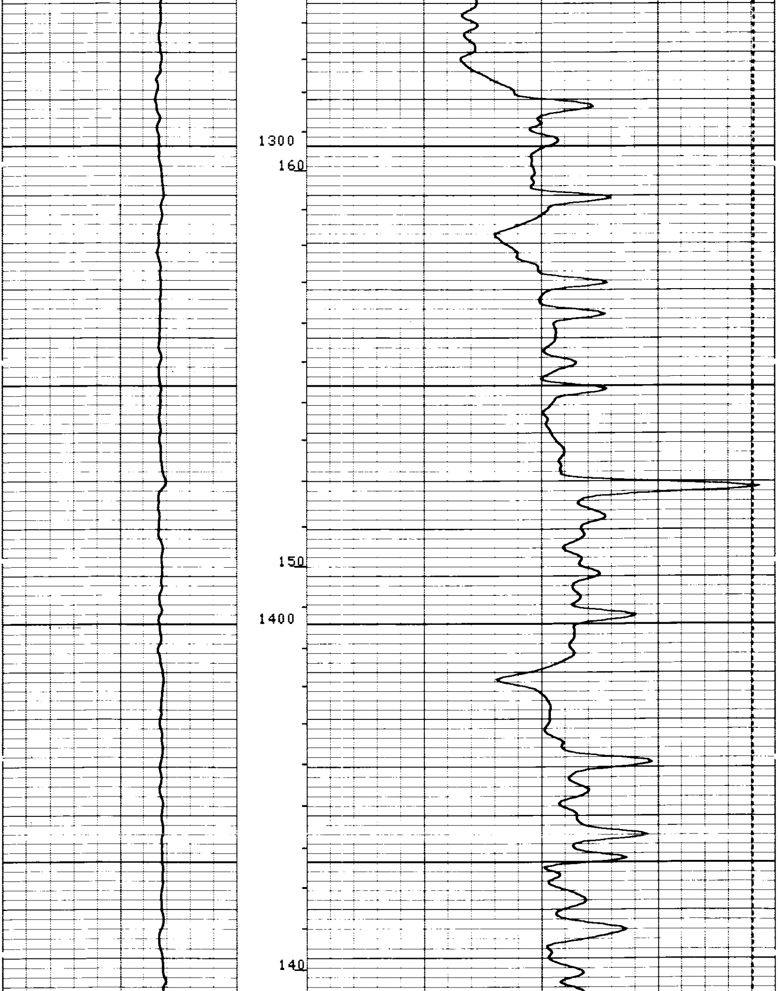
CP 28.4A FILE 5 14-SEP-86 02:07

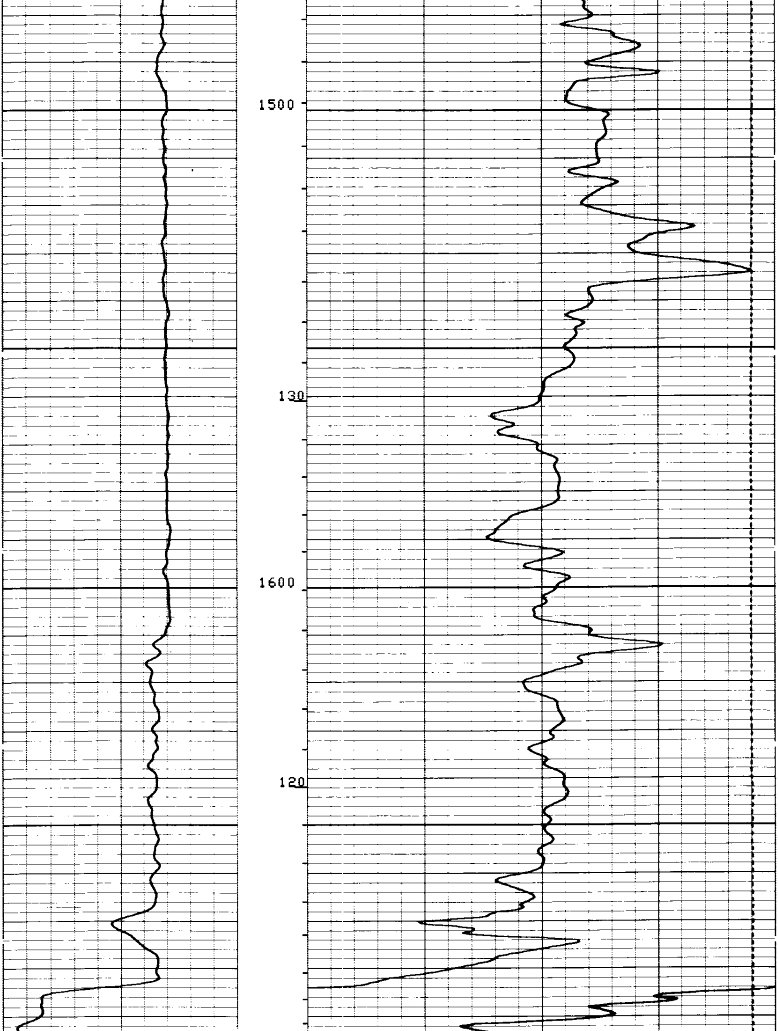


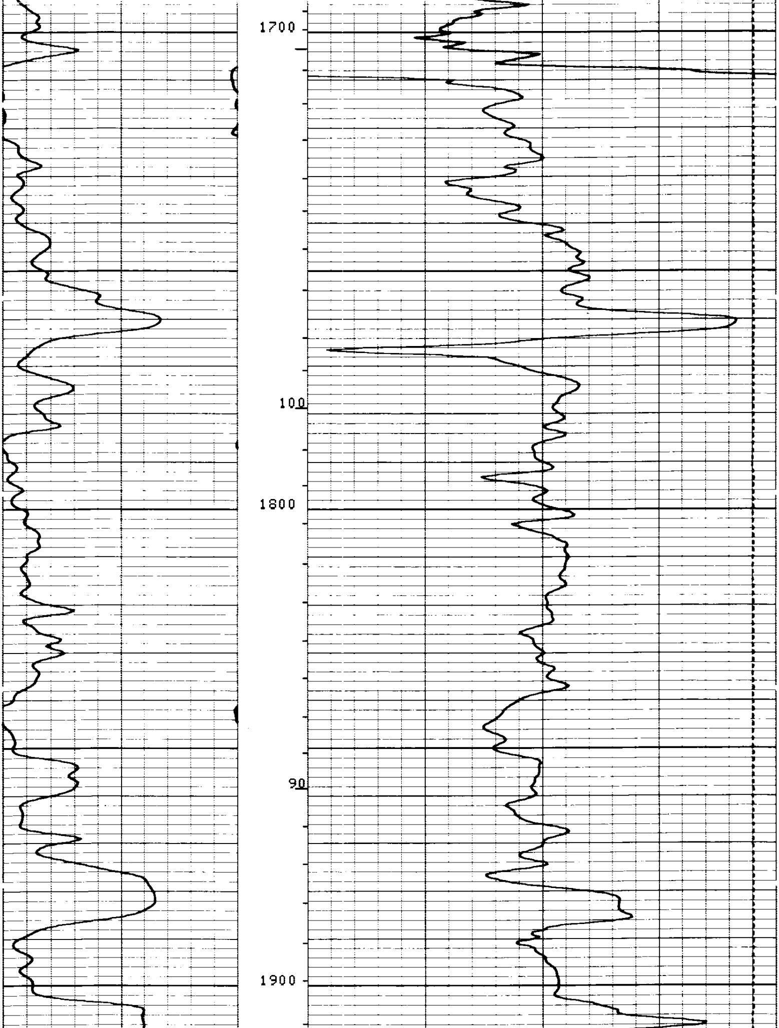


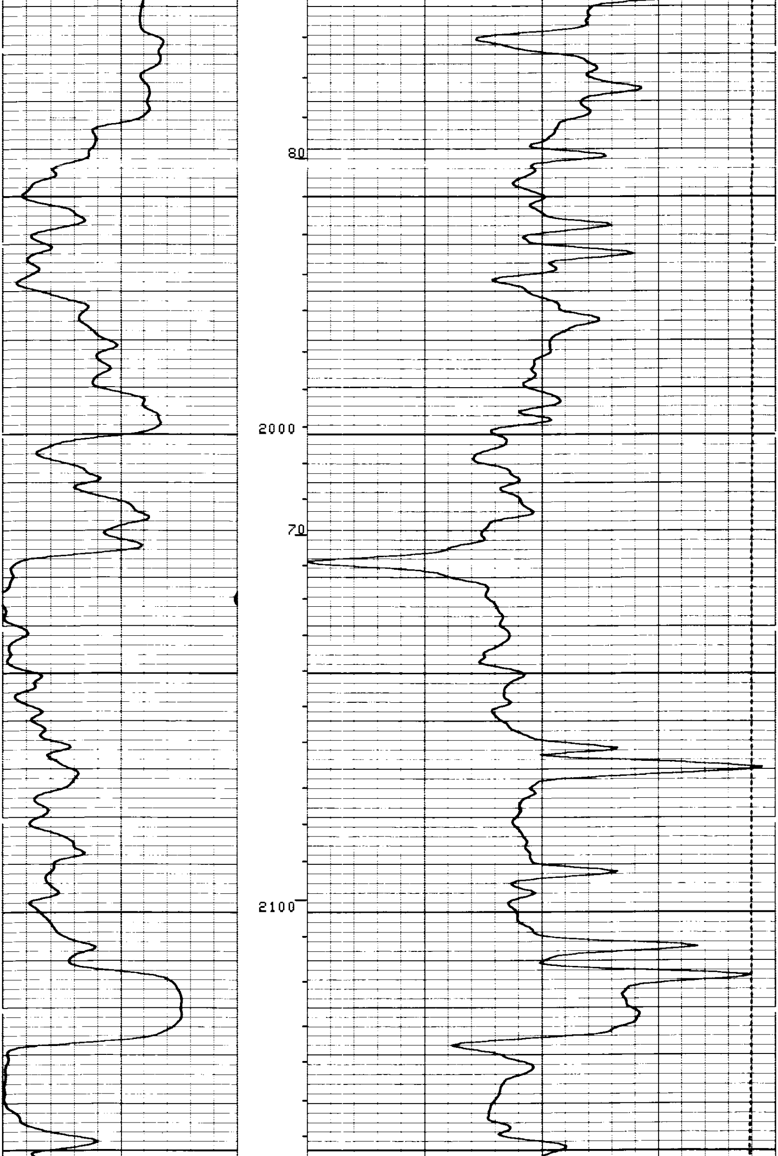


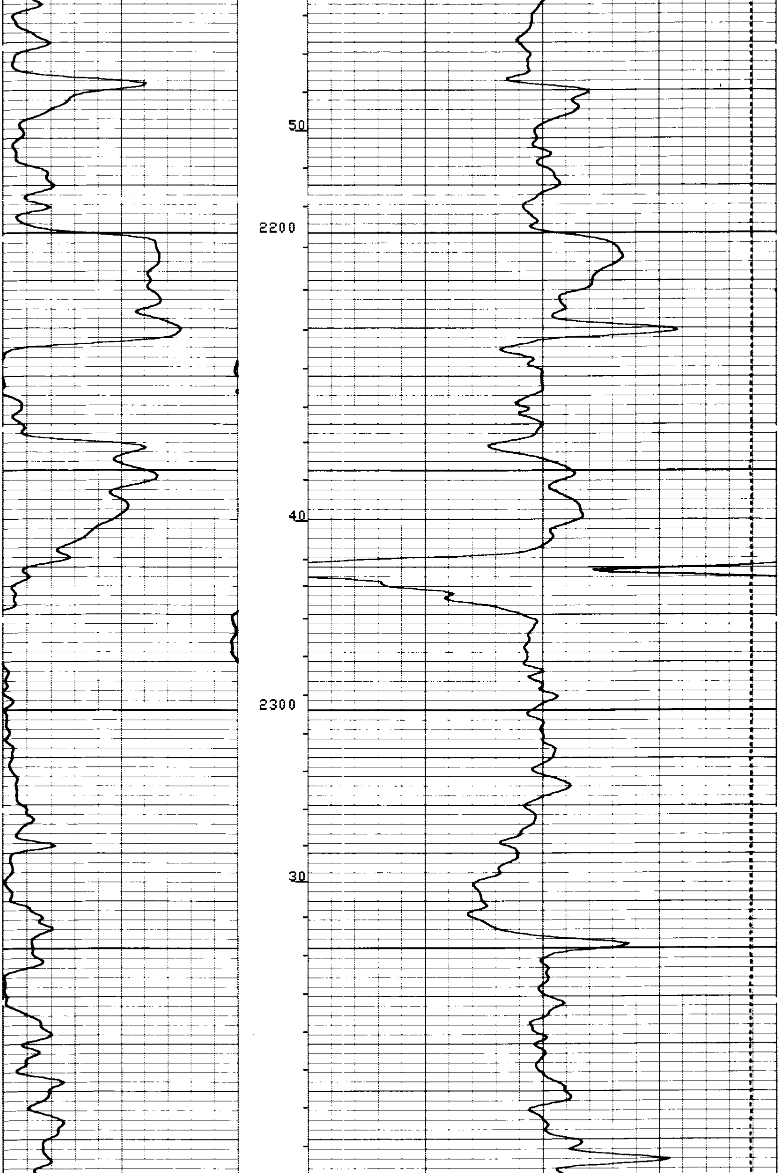


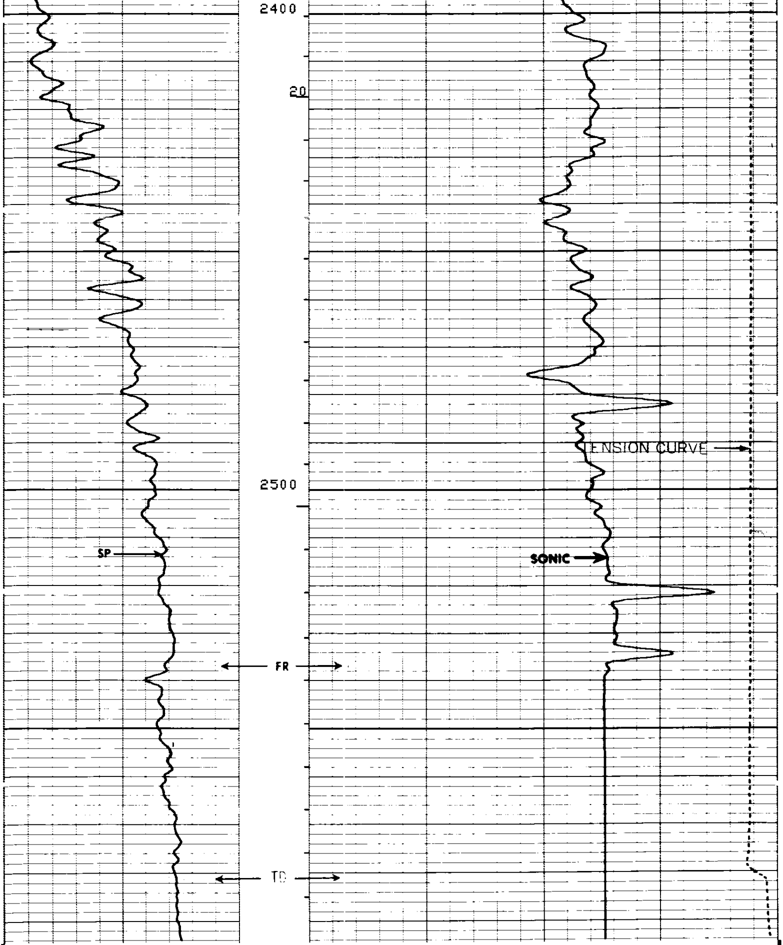












CP 28.4A FILE 5 14-SEP-86 01:13

TENS(LB)
10000. 0.0

SP (MV)
-80.00 20.000

DT (US/F)
175.00 75.000

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.4	FEET	AMPL	43.9	FEET
TT1	42.9	FEET	CBL	43.9	FEET
TT3	40.2	FEET	TT2	43.9	FEET
T0	43.9	FEET	TT4	39.2	FEET
SLTT	43.9	FEET	TT	43.9	FEET
CALI	31.8	FEET	SCBL	43.9	FEET
ILM	5.8	FEET	ILD	9.4	FEET
SP	2.5	FEET	SFL	6.4	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SPFS	R-H		RMF	3.32000	
DTM	56.0000	US/F	CDTS	100.000	
DDEL	200	US	DTF	189.000	US/F
DWCO	512		DSIN	5	US
SBR	1.00000	OHMM	DSEC	7.20000	MMHO
FPHI	SPHI		MSEC	9.00000	MMHO
BS	8.50000	IN	BHS	OPEN	
SPDR	.0030000				

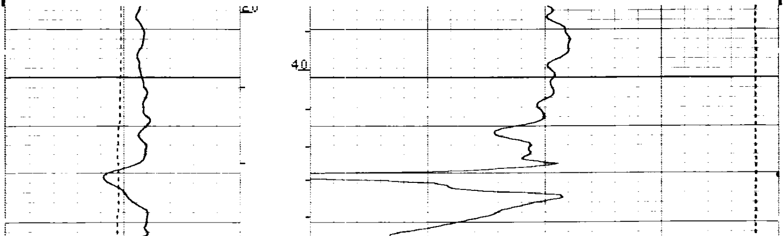
EVENT MARK SUMMARY:

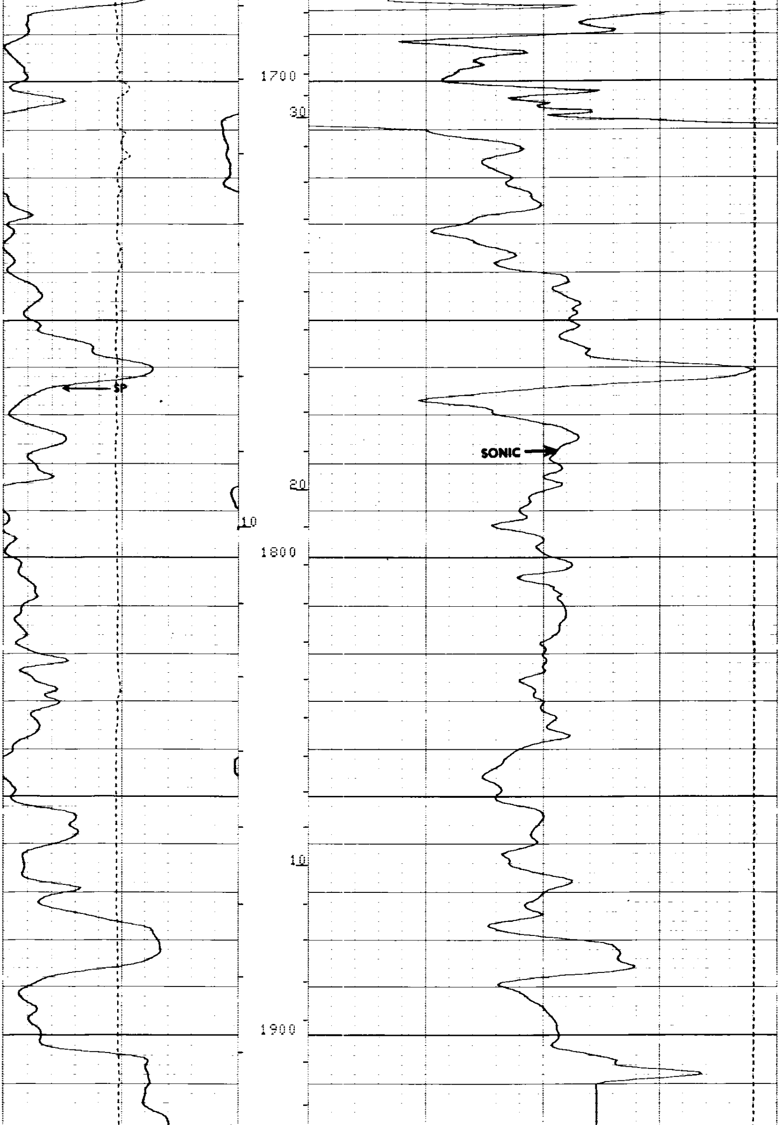
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE
ITT	.00100000 S	RIGHT EDGE

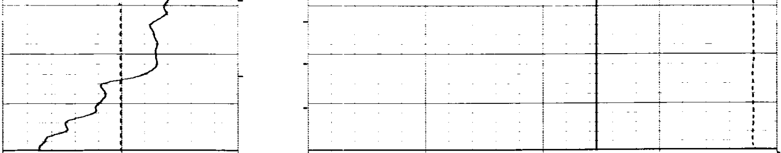
CALI(IN)		TENS(LB)	
6.0000	16.000	10000.	0.0
SP (MV)		DT (US/F)	
-80.00	20.000	175.00	75.000

REPEAT SECTION REPEAT SECTION REPEAT SECTION

CP 28.4A FILE 4 14-SEP-86 00:58







CP 28.4A FILE 4 14-SEP-86 00:48

CALI(IN) 6.0000 – 16.000 SP (MV) -80.00 – 20.000		TENS(LB) 10000. – 0.0 DT (US/F) 175.00 – 75.000	

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.4	FEET	AMPL	43.9	FEET
TT1	42.9	FEET	CBL	43.9	FEET
TT3	40.2	FEET	TT2	43.9	FEET
T0	43.9	FEET	TT4	39.2	FEET
SLTT	43.9	FEET	TT	43.9	FEET
CALI	31.8	FEET	SCBL	43.9	FEET
ILM	5.8	FEET	ILD	9.4	FEET
SP	2.5	FEET	SFL	6.4	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SPFS	R-H		RMF	3.32000	
DTM	56.0000	US/F	CDTS	100.000	
DDEL	200	US	DTF	189.000	US/F
DWCO	512		DSIN	5	US
SBR	1.00000	OHMM	DSEC	7.20000	MMHO
FPHI	SPHI		MSEC	9.00000	MMHO
BS	8.50000	IN	BHS	OPEN	

COMPANY ARCO OIL AND GAS COMPANY

WELL CAVENAM FOREST INDUSTRIES NO. 41-4

FIELD MIST

COUNTY COLUMBIA STATE OREGON

SCHL. FR 2537

SCHL. TD 2581

DRLR. TD 2584

Elev: KB 897.5

DF 896.5

GL 886.5