Schlumberger

COMPENSATED NEUTRON LITHO DENSITY TWO INCH CORRELATION LOG

COUNTY	COOS
FIELD	WILD CAT
LOCATION	511.9'N & 2151.7'W
WELL	"COOS COUNTY FOREST" #7-1
COMPANY	CARBON ENERGY INT.

COMPANY CARBON ENERGY INT.

WELL "COOS COUNTY FOREST" #7-1

FIELD WILD CAT

COUNTY COOS **STATE** OREGON

LOCATION
511.9'N & 2151.7'W
FROM SE CORNER OF:

Other Services:
DITD/GR
LDT/CNL/GR
FMS
MSCT

API SERIAL NO.	SECT.	TWP.	RANGE
36-011-00027	7	27S	13W

Permanent Datum	GL	**Elev.**	530.0 F		**Elev.: K.B.548.0 F**
Log Measured From	KB	18.0 F	**above Perm. Datum**		**D.F.547.0 F**
Drilling Measured From	KB				**G.L.530.0 F**

Date	15-OCT-1993				
Run No.	ONE				
Depth Driller	3804.0 F				
Depth Logger (Schl.)	3779.0 F				
Btm. Log Interval	3776.0 F				
Top Log Interval	380.0 F				
Casing-Driller	9 5/8	@ 380.0 F	@		@
Casing-Logger	380.0 F				
Bit Size	8 3/4	@ 3804.0 F	@		@
Type Fluid in Hole	FRESH				
Dens. | Visc.	9.10 LB/G	46.0 S			
pH | Fld. Loss		6.8 C3			
Source of Sample	FLOWLINE				
Rm @ Meas. Temp.	6.300 OHMM	@ 62.0 DEGF	@		
Rmf @ Meas. Temp.	7.250 OHMM	@ 60.0 DEGF	@		
Rmc @ Meas. Temp.	3.780 OHMM	@ 60.0 DEGF	@		
Source: Rmf | Rmc	MEASURED	MEASURED			
Rm @ BHT	4.025 OHMM	@ 101. DEGF	@		
TIME Circulation Ended	06:30 15-OCT-93				
TIME Logger on Bottom	16:30 15-OCT-93				
Max. Rec. Temp.	101. DEGF				
Equip. | Location	8504	SACRAMENTO			
Recorded By	M.DEMSKIE				
Witnessed By	S.PAPPAJOHN				

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

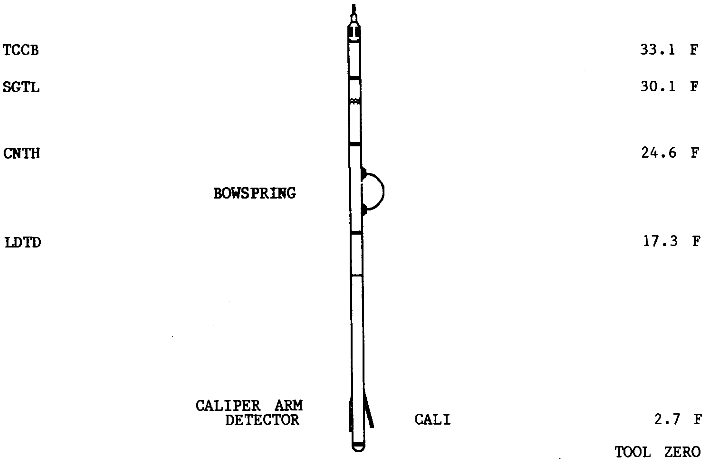
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.	624380	
Drilling Fluid Level	100.0 F	
Salinity		
Rmf @ BHT	4.498 OHMM @ 101. DEGF	@
Rmc @ BHT	2.345 OHMM @ 101. DEGF	@
Logging Speed	1800.0 F/HR	
EQUIPMENT DATA		
Tool Number 1	DRS-C 3959	
Tool Number 2	NSC-E 2941	
Tool Number 3	CNC-HA 2524	
Tool Number 4	SGC-SA 544	
Tool Number 5	TCM-AB 1516	
Tool Number 6		
Tool Number 7		
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:

HIGH RESOLUTION DATA TAKEN FROM 3779'-3480', AND 3000'-2900'
THANK YOU FOR CHOOSING SCHLUMBERGER
SOME WELLSITE INFORMATION NOT AVAILABLE AT WELL

LOGGING TOOL STRING SKETCH



TOTAL TOOL STRING LENGTH IS 36.6 F.
TOTAL TOOL STRING WEIGHT IS 658. LB IN AIR.

MAIN LOG - 2 INCH 100 FEET

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ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:   1756.19 F3    FROM 3779.00 F    TO 380.000 F
Integrated Cement Volume: 848.666 F3    FROM 3779.00 F    TO 380.000 F
  (ASSUMING 7.00000 IN   O.D. CASING)
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EVENT MARK SUMMARY:

OUTPUT                        INTERVAL        DEPTH TRACK
                              BETWEEN PIPS    EDGE

Integrated Hole Volume        10.0000 F3      LEFT EDGE
Integrated Cement Volume      10.0000 F3      RIGHT EDGE
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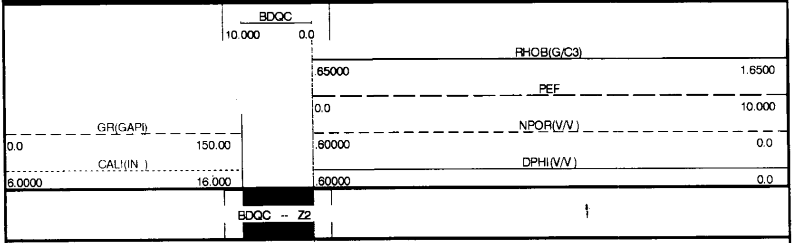

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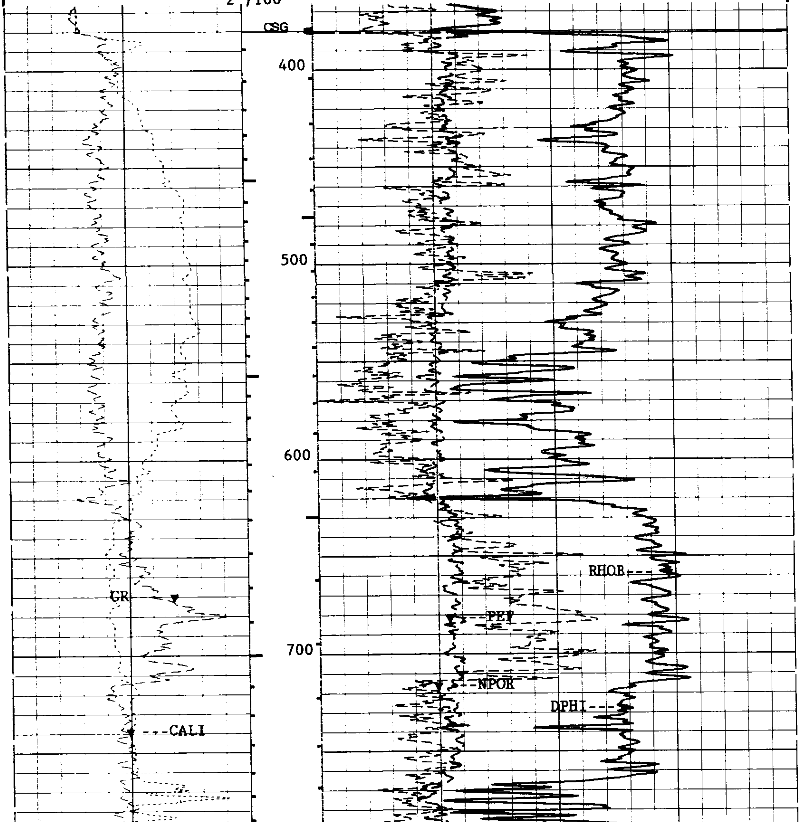
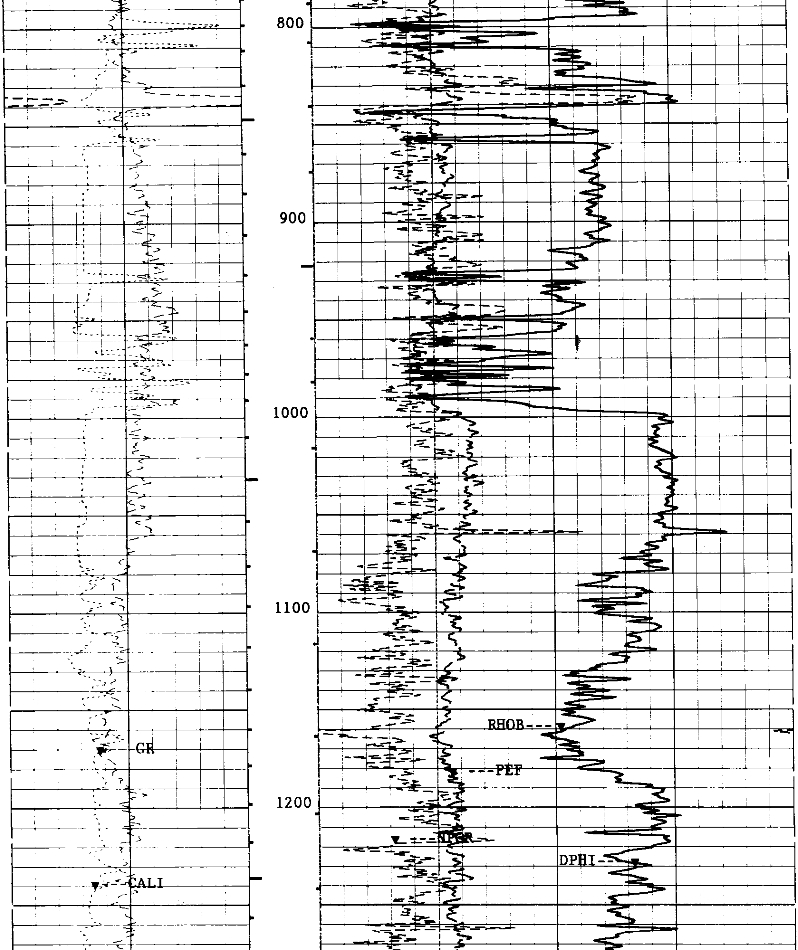
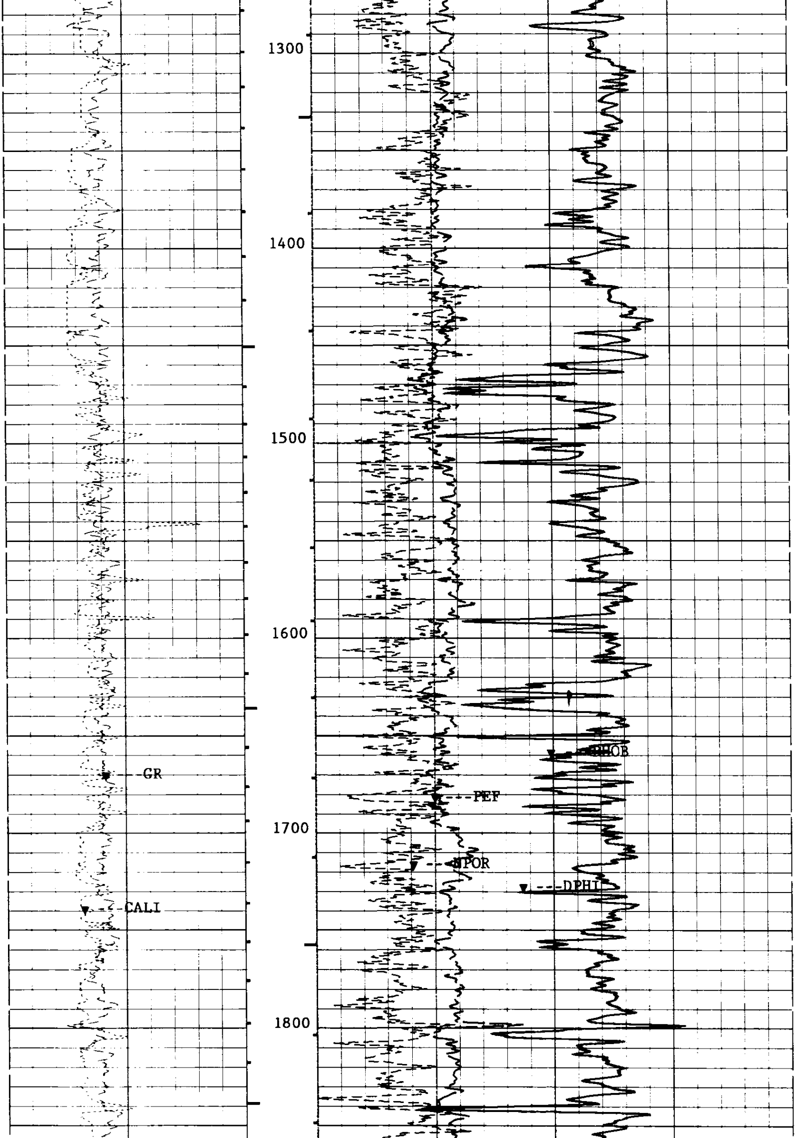
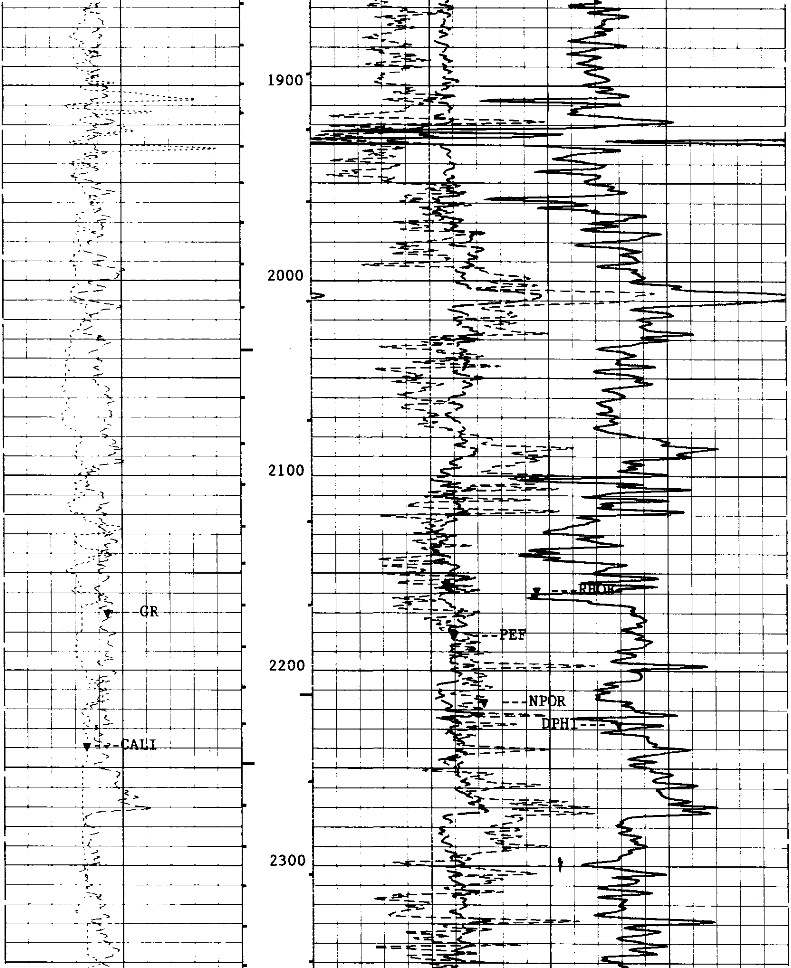
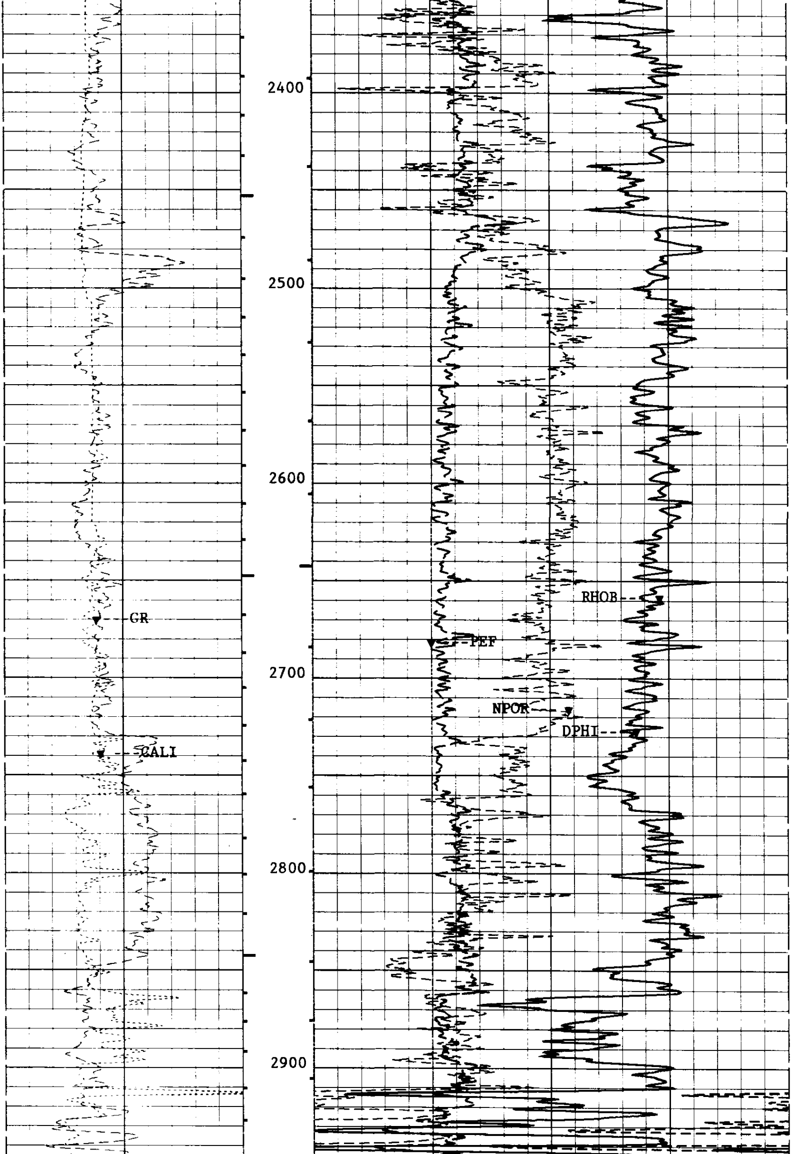
2"/100'

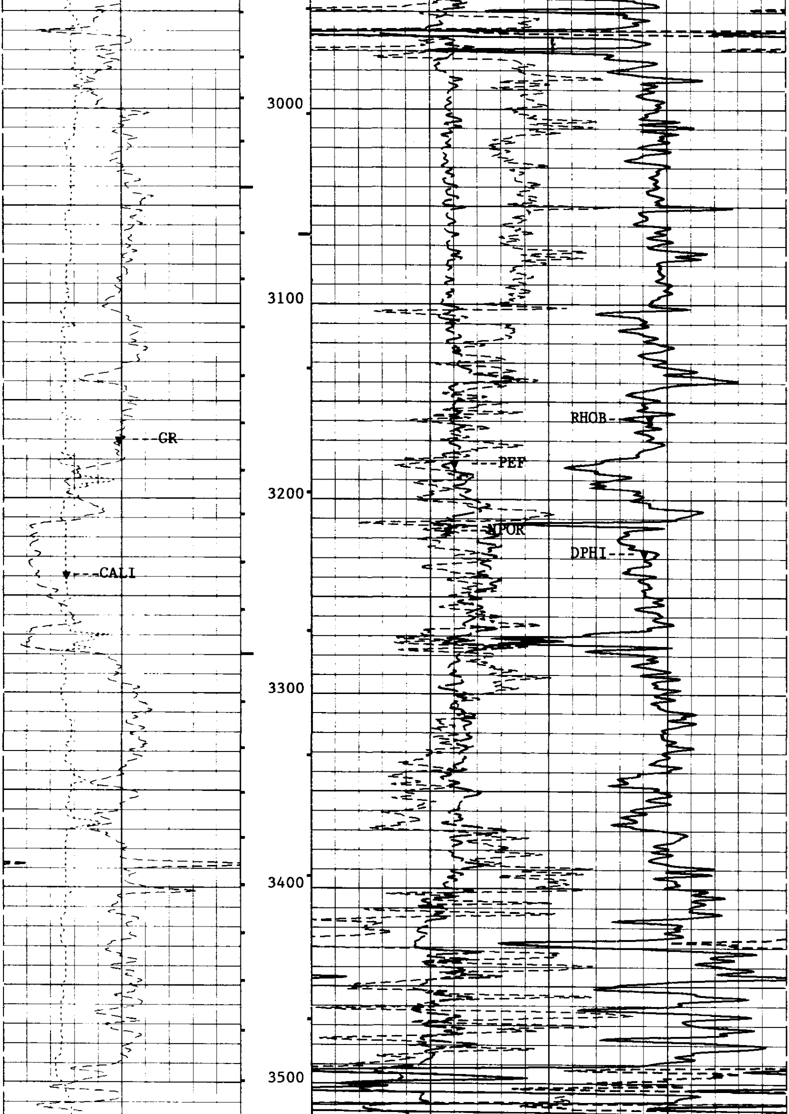


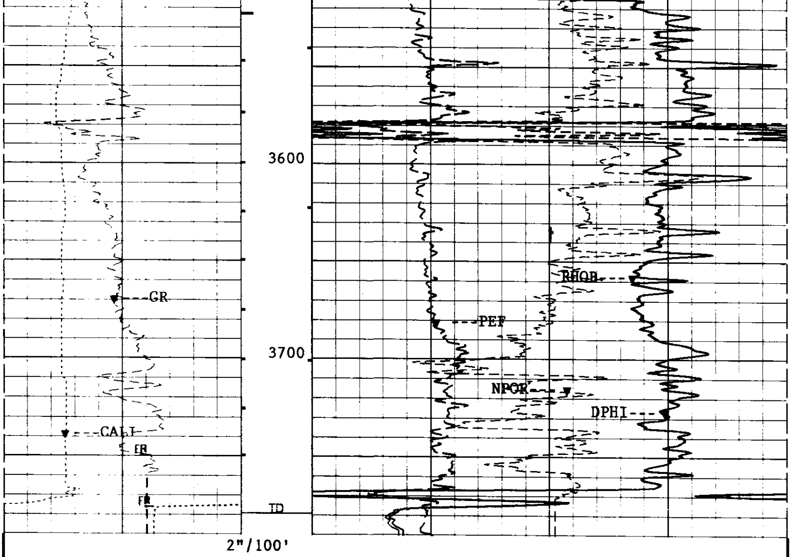












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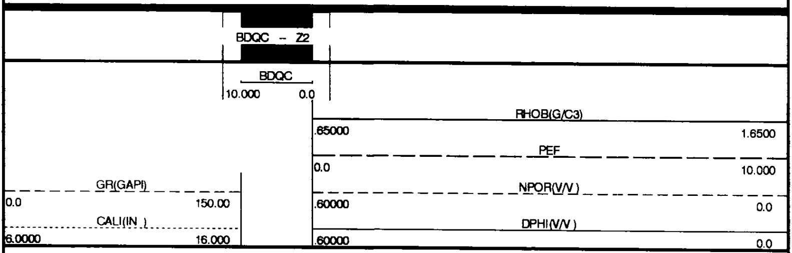

SENSOR MEASURE POINT TO TOOL ZERO

CFTC	20.2	FEET	GR	29.2	FEET
LITH	2.6	FEET	CNTC	19.7	FEET
LS	2.6	FEET	LL	2.6	FEET
PARI	2.1	FEET	LU	2.6	FEET
SS2	2.1	FEET	SS1	2.1	FEET
TENS	-.9	FEET	CALI	2.7	FEET
TNRA	20.7	FEET	HGR	29.2	FEET
HCFT	20.2	FEET	HCNT	19.7	FEET
HSS1	2.1	FEET	HSS2	2.1	FEET
HLS	2.6	FEET	HLIT	2.6	FEET
HLL	2.6	FEET	HLU	2.6	FEET

PARAMETERS

PARAMETER	VALUE	UNIT
WMUD - Weight of Mud	9.10000	LB/G
TD - Total Depth	3779.00	F
FCD - Future Casing Diameter	7.00000	IN
DHC - Density Hole Correction	BS	
BFM - Borehole Fill Medium	LIQU	
MDEN - Matrix Density	2.65000	G/C3
FD - Fluid Density	1.00000	G/C3
DPPM - Density/Porosity Processing Mode	HIRS	
MATR - Matrix	SAND	
HC - Hole Correction Origin	CALI	
NPDC - Neutron Alpha Process Depth Constant	0	
HSCO - Hole Size Correction Option	YES	
SOCO - Stand Off Correction Option	NO	
MCCO - Mud Cake Correction Option	NO	
BSCO - Borehole Salinity Correction Option	NO	
FSCO - Formation Salinity Correction Option	NO	
MWCO - Mud Weight Correction Option	NO	
PTCO - Pressure Temperature Correction Option	NO	
CCCO - Casing & Cement Correction Option for Thick	NO	
SDAT - Standoff Data Source	SOCN	
MCOR - Mud Correction	NATU	
SOCN - Stand Off for Compensated Neutron	.500000	IN
FSAL - Formation Salinity	-50000.0	PPM
ANGL - Angle of Well	0.0	DEG
GGRD - Geothermal Gradient	.0100000	DF/F
BHFL - BoreHole Fluid Type	WATE	
CDSE - Corrected Density Selector	RHOB	
CNPS - Compensated Neutron Porosity Selector	NPHI	
NCJT - NGT Calibration Jig Type	GSRY	
GTSE - Generalized Temperature Selection	TEMP	
SHT - Surface Hole Temperature	80.0000	DEGF
BHT - Bottom Hole Temperature	100.000	DEGF
TDL - Total Depth - Logger	3779.00	F
MRT - Maximum Recorded Temperature	98.0000	DEGF
DFD - Drilling Fluid Density	9.10000	LB/G
RMFS - Resistivity of Mud Filtrate Sample	7.25000	OHMM
RMS - Resistivity of Mud Sample	6.30000	OHMM
MST - Mud Sample Temperature	62.0000	DEGF
MFST - Mud Filtrate Sample Temperature	60.0000	DEGF
BS - Bit Size	8.75000	IN
BHS - BoreHole Status (Open or Cased)	OPEN	

COMPANY	CARBON ENERGY INT.			SCHL.	FR	3776.0 F
				SCHL.	TD	3779.0 F
WELL	"COOS COUNTY FOREST" #7-1			DRLR.	TD	3804.0 F
FIELD	WILD CAT			Elev:	KB	548.0 F
					DF	547.0 F
COUNTY	COOS	**STATE**	OREGON		GL	530.0 F

Schlumberger

COMPENSATED NEUTRON
LITHO DENSITY
TWO INCH CORRELATION LOG