Schlumberger

MECHANICAL SIDEWALL CORING TOOL MONITOR 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:

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

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

Permanent Datum	GL	**Elev.**	530.0 F	
Log Measured From	KB	18.0 F	**above Perm. Datum**	
Drilling Measured From	KB			

Elev.: K.B.548.0 F
D.F.547.0 F
G.L.530.0 F

Date	16-OCT-1993		
Run No.	ONE		
Depth Driller	3804.0 F		
Depth Logger (Schl.)	3779.0 F		
Btm. Log Interval	3769.0 F		
Top Log Interval	945.0 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	3.988 OHMM @ 102. DEGF	@	
TIME **Circulation Ended**	06:30 15-OCT-93		
TIME **Logger on Bottom**	04:20 16-OCT-93		
Max. Rec. Temp.	102. 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.

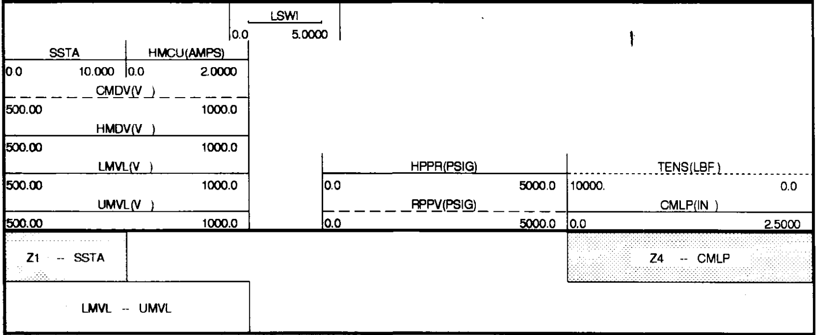
MSCT CORE SUMMARY LISTING

CORE	CORE DEPTH (F)	TIME CORING STARTED	TIME CORING STOPPED	ELAPSED CORING TIME	STATUS	PRIMARY FORMATION TYPE
1	2464.9	07:13:27	07:16:02	00:02:35	COMPLETED	LIMESTONE
2	2118.7	07:22:55	07:22:55	00:00:00	COMPLETED	LIMESTONE
3	2007.7	07:30:35	07:32:43	00:02:08	COMPLETED	LIMESTONE
4	944.9	07:46:41	07:46:41	00:00:00	COMPLETED	LIMESTONE

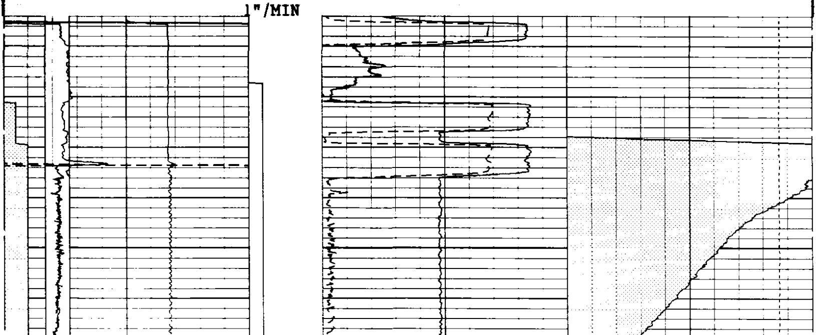
5	3493.0	05:00:38	05:01:54	00:01:16	COMPLETED	LIMESTONE
6	2960.9	05:13:31	05:14:51	00:01:20	COMPLETED	LIMESTONE
7	2940.9	05:23:39	05:24:32	00:00:53	COMPLETED	LIMESTONE
8	2931.8	05:29:05	05:29:55	00:00:50	COMPLETED	LIMESTONE
9	2913.0	00:00:00	05:35:49	05:35:49	COMPLETED	LIMESTONE
10	-6.6	06:33:26	06:33:31	00:00:05	COMPLETED	LIMESTONE

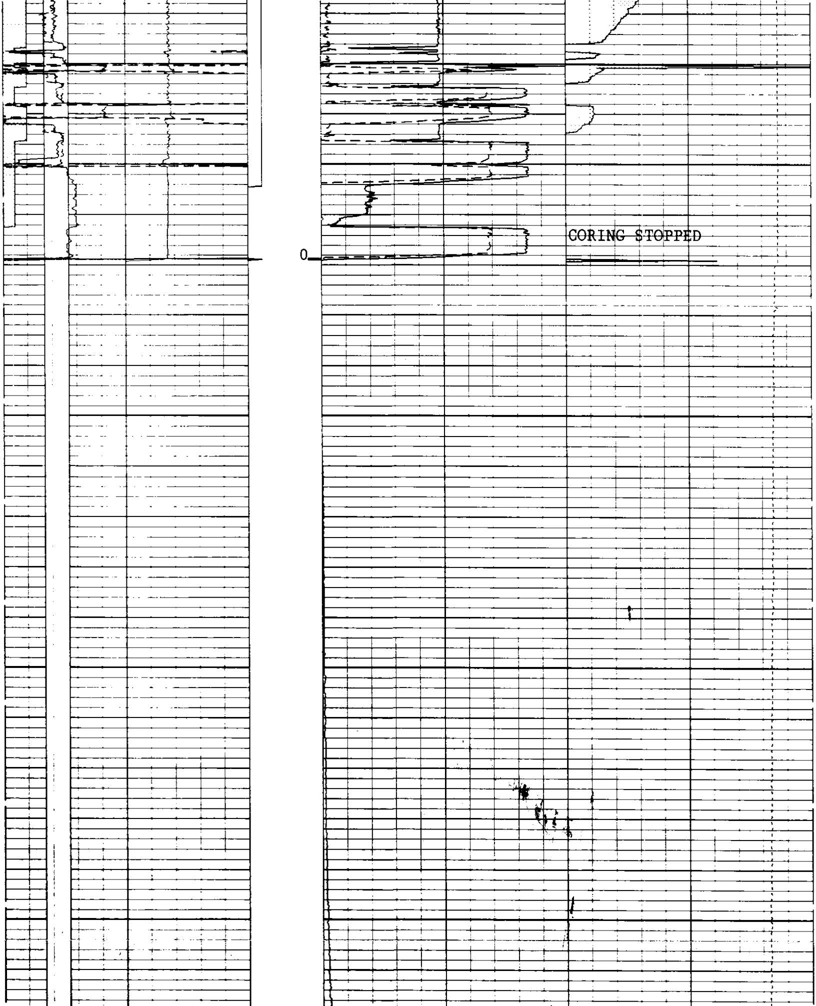
REMARKS

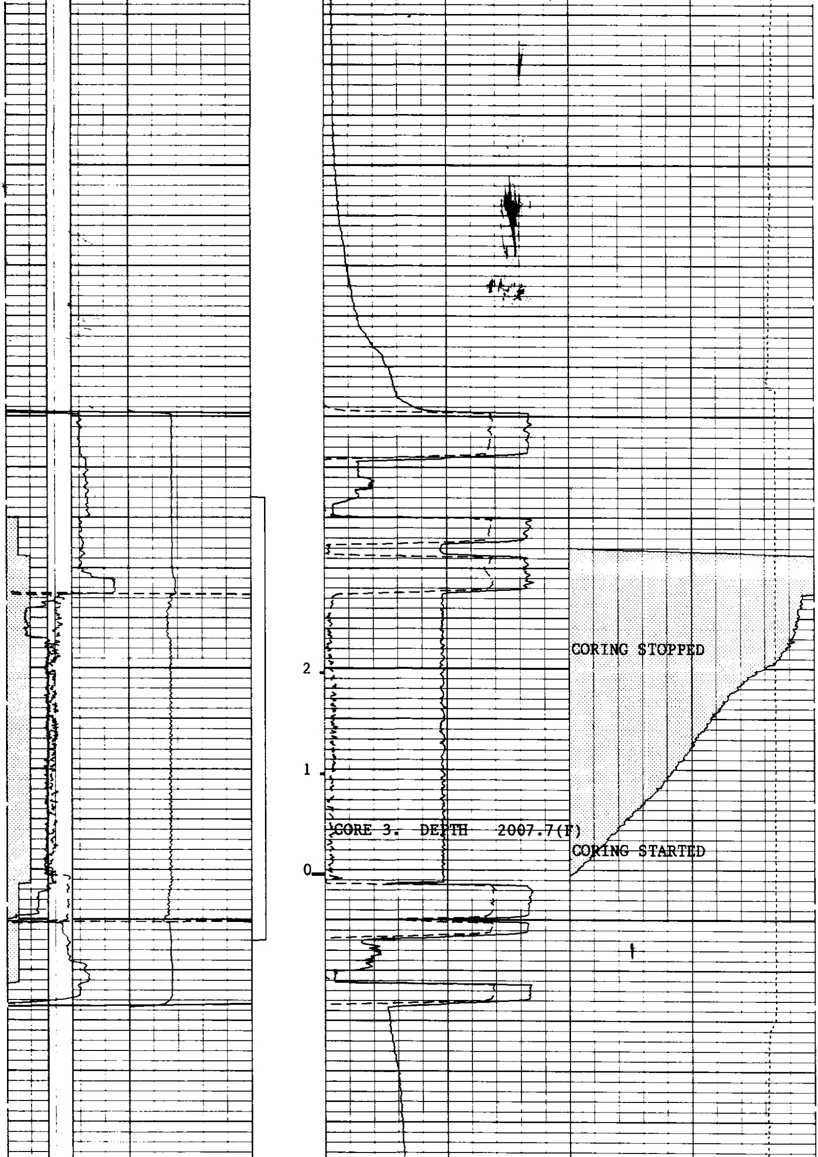
CP 38.2 FILE 19 16-OCT-1993 07:59

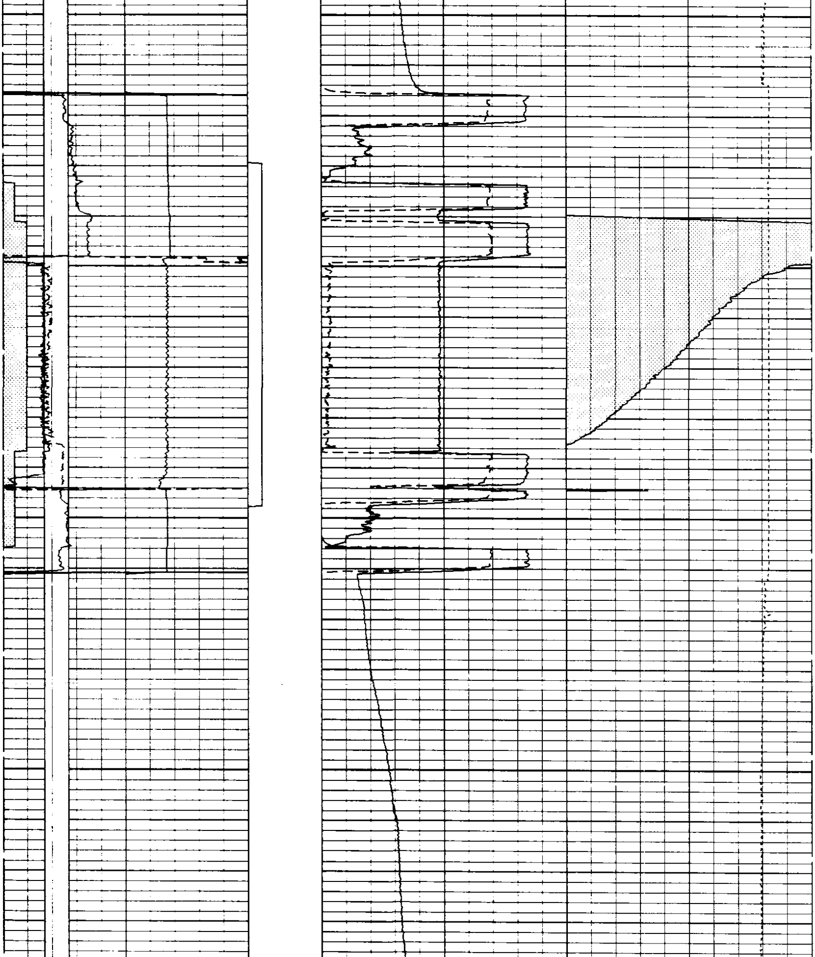


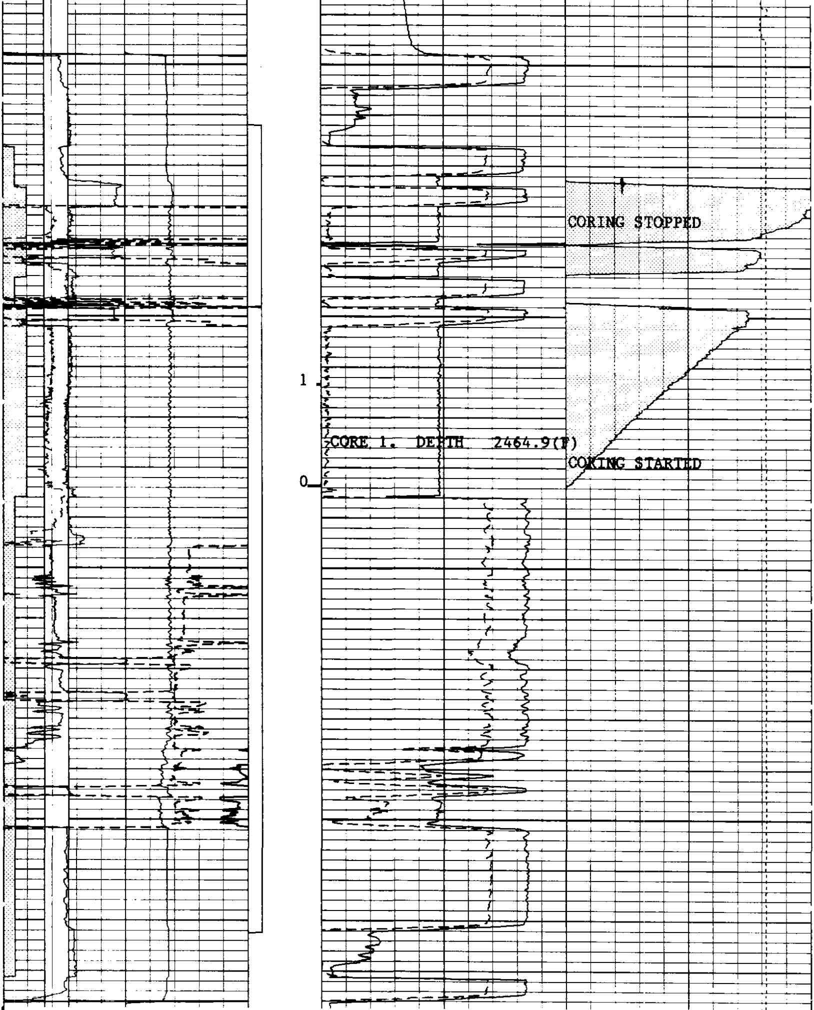
CP 38.2 FILE 17 16-OCT-1993 07:52 (UP)











CP 38.2 FILE 17 16-OCT-1993 07:08 (UP)

Z1 -- SSTA

Z4 -- CMLP

LMVL -- UMVL

LSWI
0.0 5.0000

SSTA
0.0 10.000

HMCU(AMPS)
0.0 2.0000

CMDV(V)
500.00 1000.0

HMDV(V)
500.00 1000.0

LMVL(V)
500.00 1000.0

UMVL(V)
500.00 1000.0

HPPR(PSIG)
0.0 5000.0

RPPV(PSIG)
0.0 5000.0

TENS(LBF)
10000. 0.0

CMLP(IN)
0.0 2.5000

SENSOR MEASURE POINT TO TOOL ZERO

UCFL	0.0	FEET	SMSC	0.0	FEET
SCUR	0.0	FEET	SSTA	0.0	FEET
LSWI	0.0	FEET	RPPV	0.0	FEET
HPPR	0.0	FEET	HV	0.0	FEET
DZER	0.0	FEET	HMDV	0.0	FEET
CMPR	0.0	FEET	DFS	0.0	FEET
CMDV	0.0	FEET	CMPP	0.0	FEET
CMCU	0.0	FEET	HMCU	0.0	FEET
GR	27.2	FEET	CCUR	0.0	FEET
TENS	-1.3	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SPEE	1200	F/HR	WMUD	8.00000	LB/G
NCJT	GSRY		ECLE	2.05000	IN
MCEC	37		MCMU	33	
SOFF	0.0	IN	BS	8.75000	IN
BHS	OPEN				

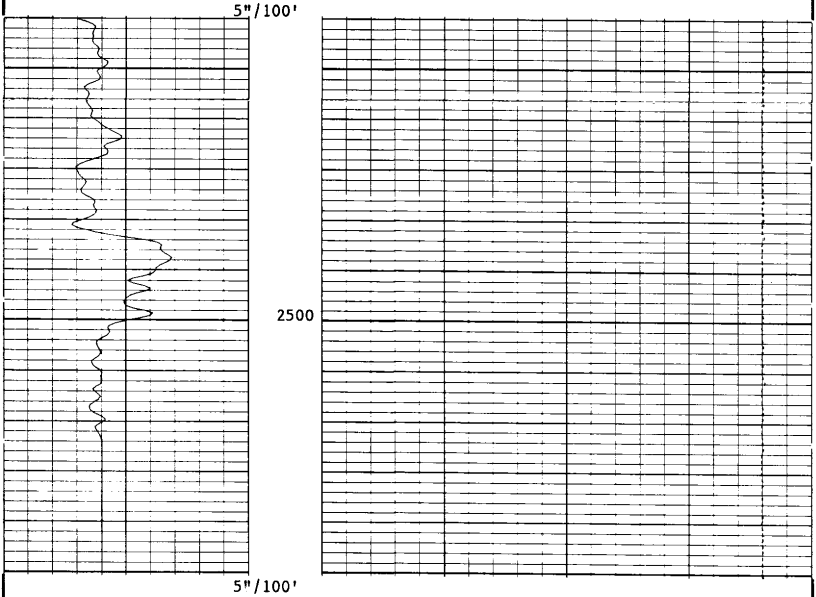
TIE IN LOG

LSWI
0.0 5.0000

GR(GAPI)
0.0 150.00

TENS(LBF)
10000. 0.0

CP 38.2 FILE 16 16-OCT-1993 07:06 (UP)



CP 38.2 FILE 16 16-OCT-1993 07:01 (UP)

SENSOR MEASURE POINT TO TOOL ZERO

UCFL	0.0	FEET	SMSC	0.0	FEET
SCUR	0.0	FEET	SSTA	0.0	FEET
LSWI	0.0	FEET	RPPV	0.0	FEET
HPPR	0.0	FEET	HV	0.0	FEET
DZER	0.0	FEET	HMDV	0.0	FEET
CMPR	0.0	FEET	DFS	0.0	FEET
CMDV	0.0	FEET	CMPP	0.0	FEET
CMCU	0.0	FEET	HMCU	0.0	FEET
GR	27.2	FEET	CCUR	0.0	FEET
TENS	0.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.00000	LB/G	NCJT	GSRY	
ECLE	2.05000	IN	MCEC	37	
MCMU	33		SOFF	0.0	IN
BS	8.75000	IN	BHS	OPEN	

LSWI
0.0 5.0000

SSTA
0.0 10.000

HMCU(AMPS)
0.0 2.0000

CMDV(V)
500.00 1000.0

HMDV(V)
500.00 1000.0

LMVL(V)
500.00 1000.0

UMVL(V)
500.00 1000.0

HPPR(PSIG)
0.0 5000.0

RPPV(PSIG)
0.0 5000.0

TENS(LBF)
10000. 0.0

CMLP(IN)
0.0 2.5000

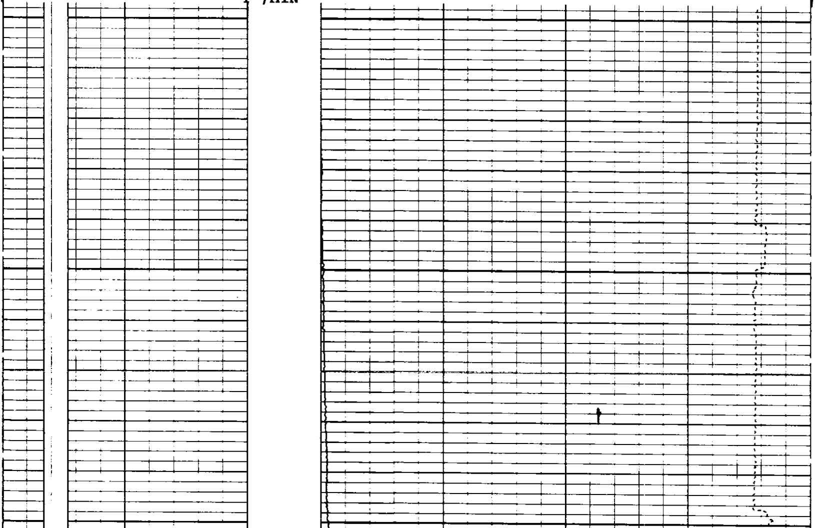
Z1 -- SSTA

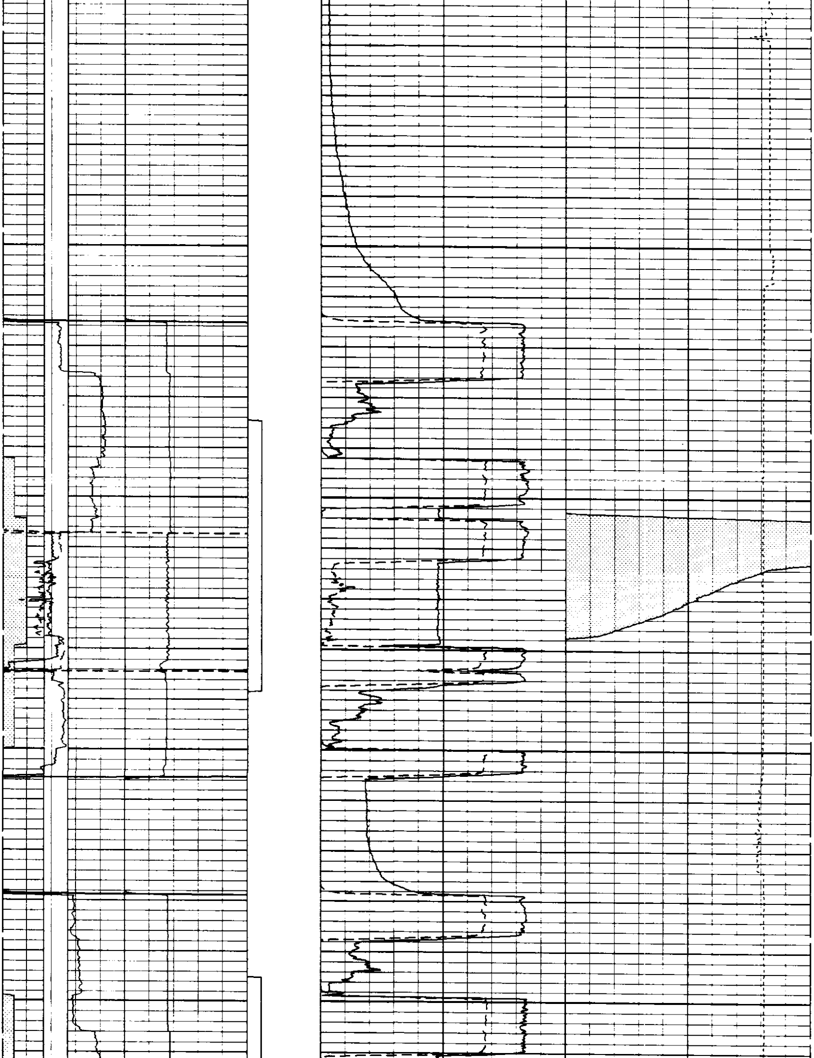
Z4 -- CMLP

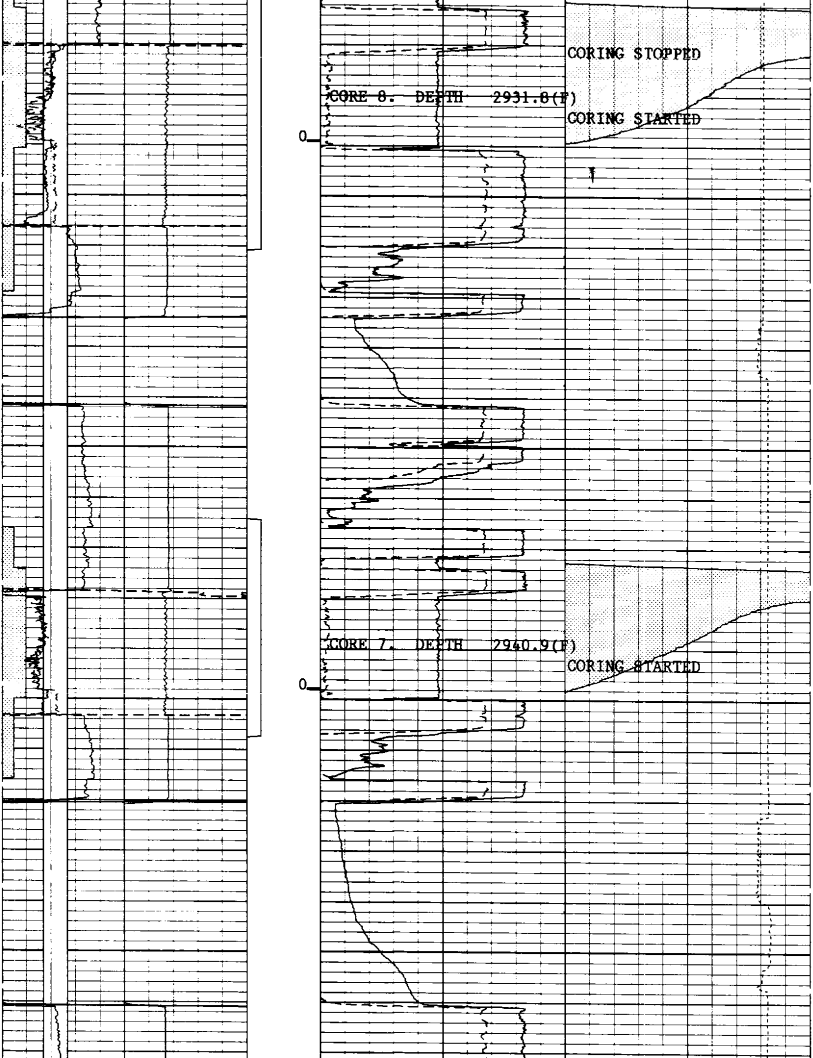
LMVL -- UMVL

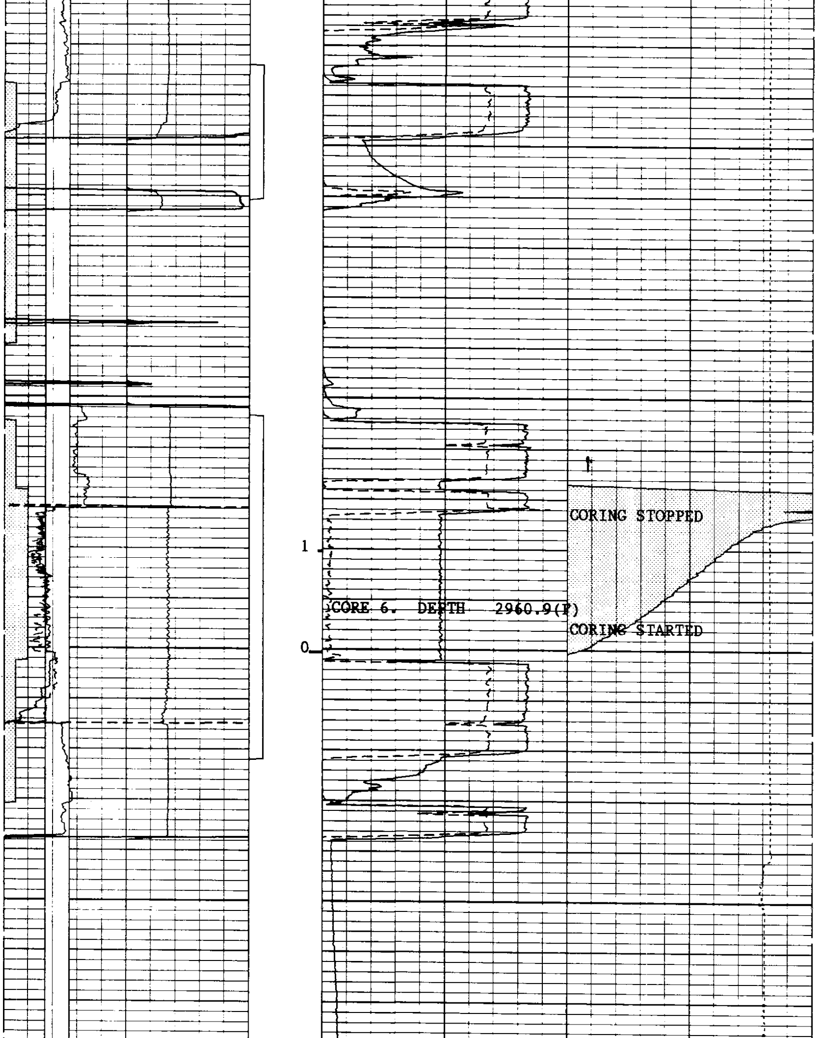
CP 38.2 FILE 11 16-OCT-1993 05:46 (UP)

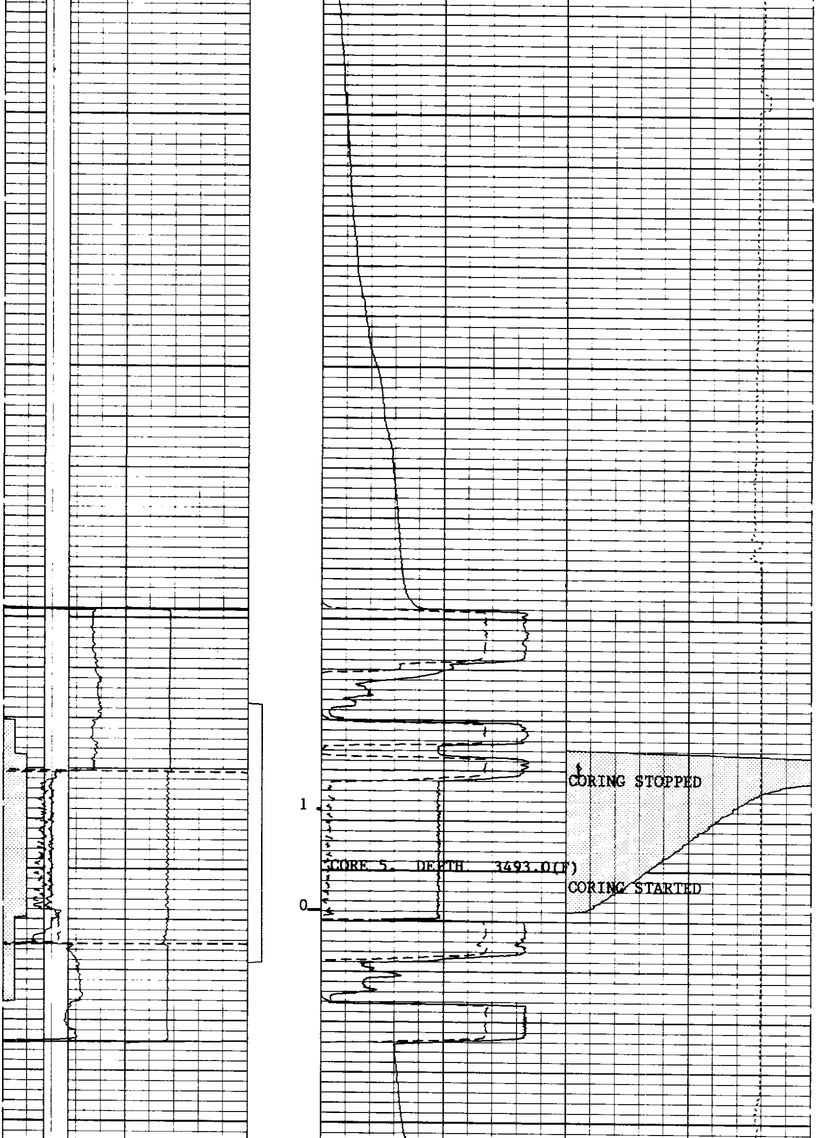
1"/MIN

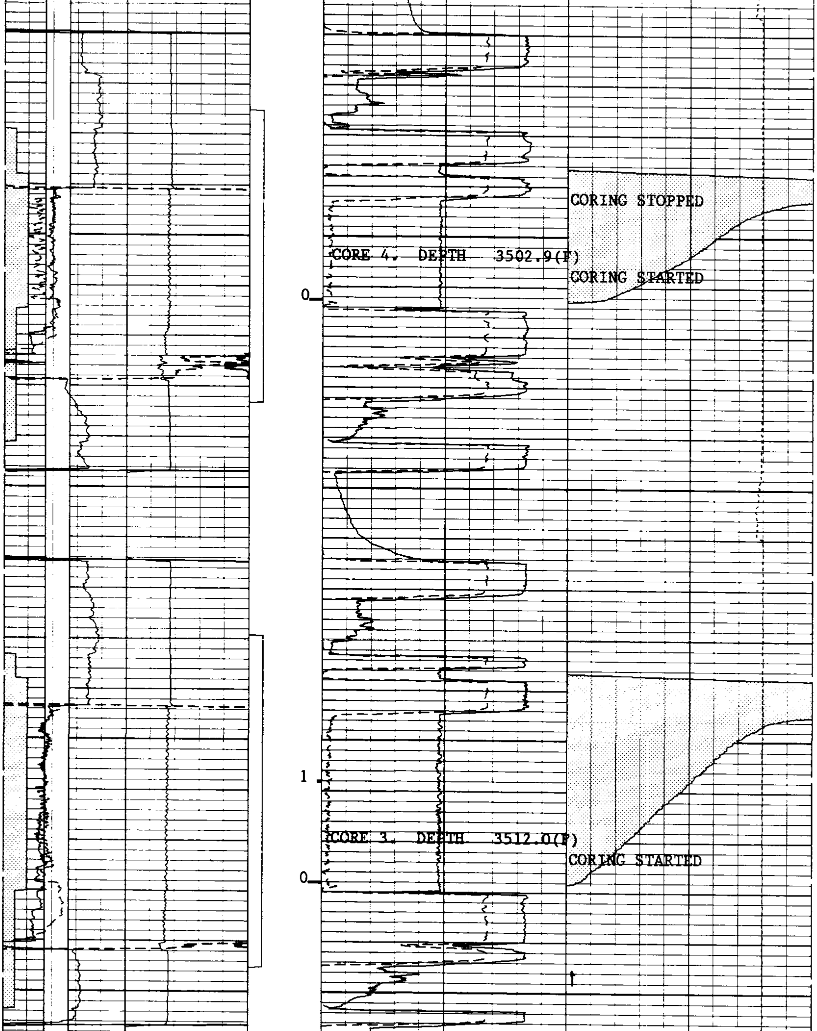


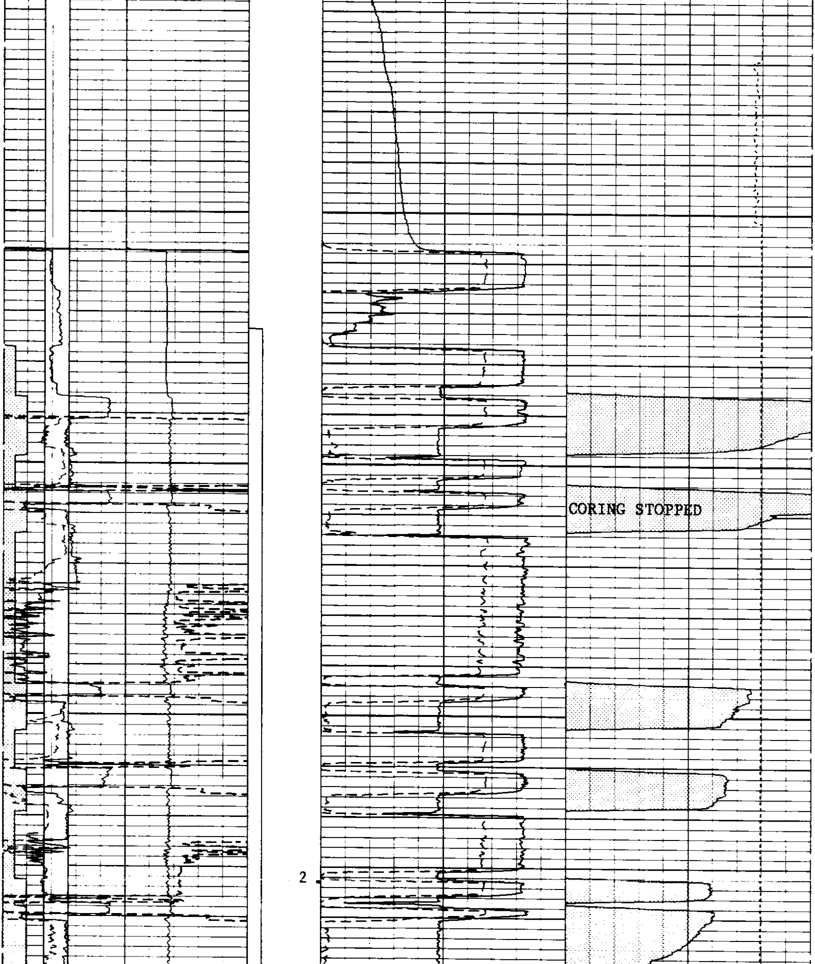


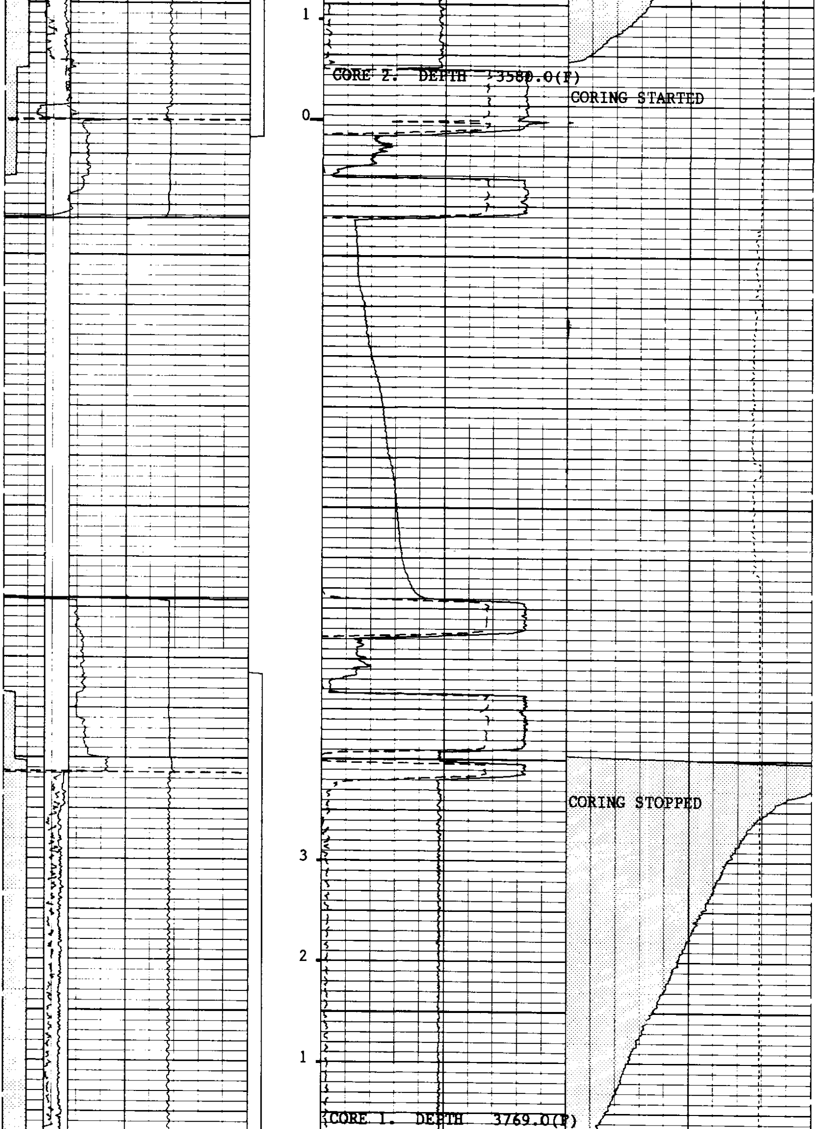


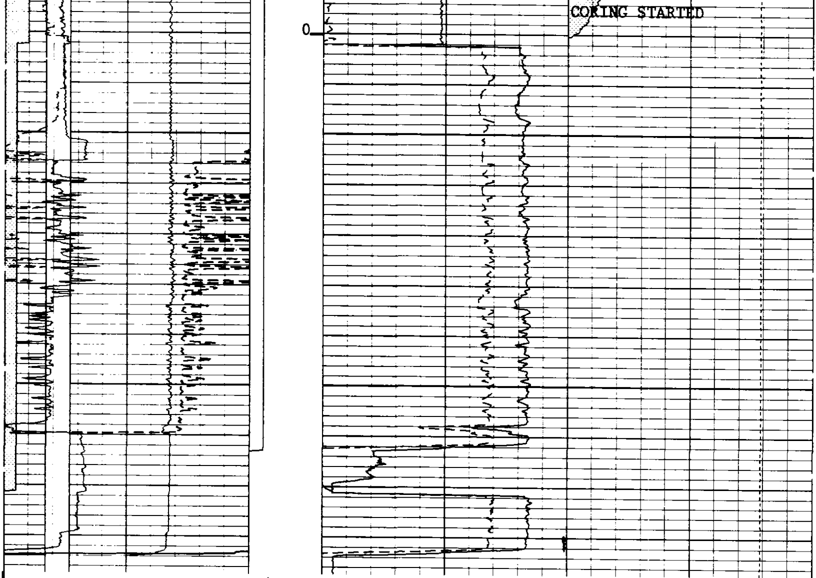












1"/MIN

CP 38.2 FILE 11 16-OCT-1993 04:20 (UP)

Z1 -- SSTA

Z4 -- CMLP

LMVL -- UMVL

LSWI 0.0 5.0000

SSTA 0.0 10.000

HMCU(AMPS) 0.0 2.0000

CMDV(V) 500.00 1000.0

HMDV(V) 500.00 1000.0

LMVL(V) 500.00 1000.0

UMVL(V) 500.00 1000.0

HPPR(PSIG) 0.0 5000.0

RPPV(PSIG) 0.0 5000.0

TENS(LBF) 10000. 0.0

CMLP(IN) 0.0 2.5000

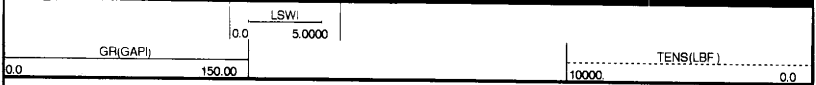
SENSOR MEASURE POINT TO TOOL ZERO

UCFL	0.0	FEET	SMSC	0.0	FEET
SCUR	0.0	FEET	SSTA	0.0	FEET
LSWI	0.0	FEET	RPPV	0.0	FEET
HPPR	0.0	FEET	HV	0.0	FEET
DZER	0.0	FEET	HMDV	0.0	FEET
CMPR	0.0	FEET	DFS	0.0	FEET
CMDV	0.0	FEET	CMPP	0.0	FEET
CMCU	0.0	FEET	HMCU	0.0	FEET
GR	27.2	FEET	CCUR	0.0	FEET
TENS	-1.3	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SPEE	1200	F/HR	WMUD	8.00000	LB/G
NCJT	GSRY		ECLE	2.05000	IN
MCEC	37		MCMU	33	
SOFF	0.0	IN	BS	8.75000	IN
BHS	OPEN				

TIE IN LOG



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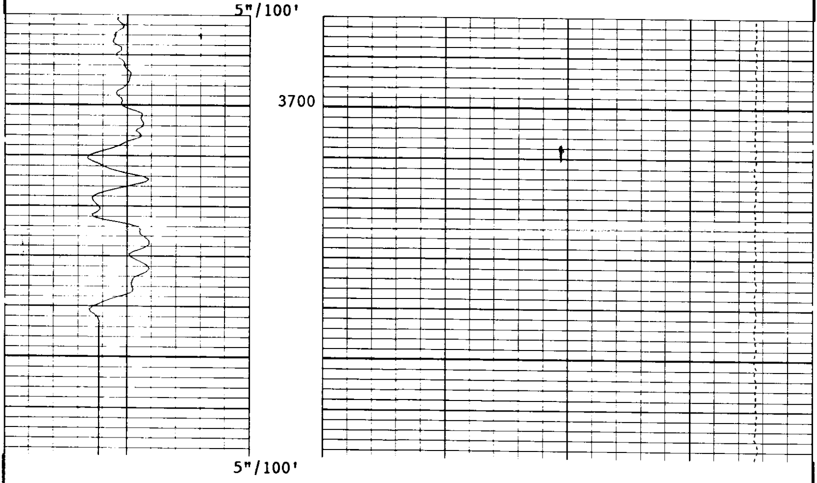

CP 38.2 FILE 10 16-OCT-1993 04:11 (UP)

LSWI
0.0 5.0000

GR(GAPI)
0.0 150.00

TENS(LBF)
10000. 0.0

SENSOR MEASURE POINT TO TOOL ZERO

UCFL	0.0	FEET	SMSC	0.0	FEET
SCUR	0.0	FEET	SSTA	0.0	FEET
LSWI	0.0	FEET	RPPV	0.0	FEET
HPPR	0.0	FEET	HV	0.0	FEET
DZER	0.0	FEET	HMDV	0.0	FEET
CMPR	0.0	FEET	DFS	0.0	FEET
CMDV	0.0	FEET	CMPP	0.0	FEET
CMCU	0.0	FEET	HMCU	0.0	FEET
GR	27.2	FEET	CCUR	0.0	FEET
TENS	0.0	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.00000	LB/G	NCJT	GSRY	
ECLE	2.05000	IN	MCEC	37	
MCMU	33		SOFF	0.0	IN
BS	8.75000	IN	BHS	OPEN	

COMPANY	CARBON ENERGY INT.			SCHL. FR	3769.0 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

MECHANICAL SIDEWALL CORING
TOOL MONITOR LOG