CC 22B-19-65

Schlumberger

CEMENT BOND LOG
VARIABLE DENSITY

COUNTY	COLUMBIA
FIELD	MIST
LOCATION	1823'S & 1214'E
WELL	"COMPY" JOHNSTON #22B-19-65
COMPANY	NAHAMA & WEAGANT

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WELL	"COMPY" JOHNSTON #22B-19-65		
FIELD	MIST		
COUNTY	COLUMBIA	**STATE**	OREGON

LOCATION 1823'S & 1214'E
FR NW COR

Other Services:
DIL-BHC

API SERIAL NO.	SECT.	TWP.	RANGE
36-009-00306	19	6N	5W

Permanent Datum	GL	Elev.	937.0 F	Elev.: K.B. 947.0 F
Log Measured From	KB	10.0 F	above Perm. Datum	D.F. 946.0 F
Drilling Measured From	DB			G.L. 937.0 F

Date	4-AUG-93			
Run No.	ONE			
Depth Driller	2940.0 F			
Depth Logger (Schl.)	2927.0 F			
Btm. Log Interval	2920.0 F			
Top Log Interval	1400.0 F			
Casing-Driller	8 5/8" @ 506.0 F	@		@
Casing-Logger	506.0 F			
Bit Size	7 7/8" @ 2940.0 F	@		@
Type Fluid in Hole	FRESH WATER			
Dens. | Visc.	8.30 LB/G			
pH | Fld. Loss				
Source of Sample	?			
Rm @ Meas. Temp.	@		@	
Rmf @ Meas. Temp.	@ 60. DEGF		@	
Rmc @ Meas. Temp.	@		@	
Source: Rmf | Rmc	MEASURED	MEASURED		
Rm @ BHT	@		@	
TIME: Circulation Ended	-50000			
TIME: Logger on Bottom	09:36 4-AUG-93			
Max. Rec. Temp.				
Equip. | Location	8271	4408		
Recorded By	ROANE THORPE			
Witnessed By	ROB LUCAS			

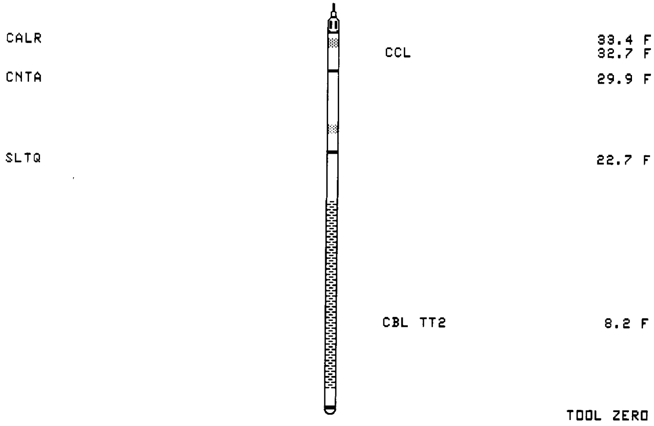
The well name, location and borehole reference data were furnished by the customer.

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.	454681	
Drilling Fluid Level	C.C F	
Salinity		
Rmf @ BHT	-5C.C OHMM @	@
Rmc @ BHT	@	@
Logging Speed	3600.C F/HR	
EQUIPMENT DATA		
Tool Number 1	SLS-WC 1335	
Tool Number 2	SLC-MA 88	
Tool Number 3	CNT-HA 2524	
Tool Number 4	CAL-R 433	
Tool Number 5	SLM-DA 1329	
Tool Number 6	NLM-BC 418	
Tool Number 7	IEM-BD 685	
Tool Number 8	SLM-DA 1329	
Tool Number 9	NLM-BC 456	
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:
CORRELATED TO SWS DIL-BHC RUN ON 19-JUL-93

LOGGING TOOL STRING SKETCH



TOTAL TOOL STRING LENGTH IS 36.2 F.
TOTAL TOOL STRING WEIGHT IS 547. LB IN AIR.

MAIN LOG

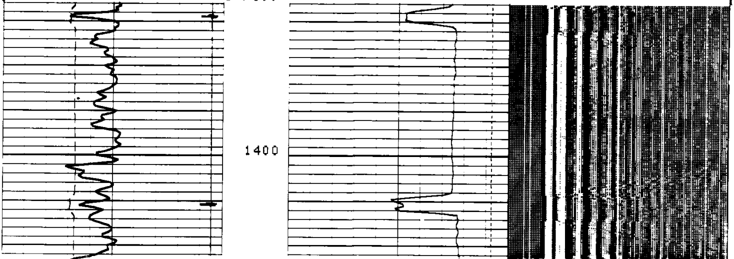
NPCR(V/V)
1.CCCC C.C
TT2(US)
300.00 10C.00
CCL
-19.00 1.0000

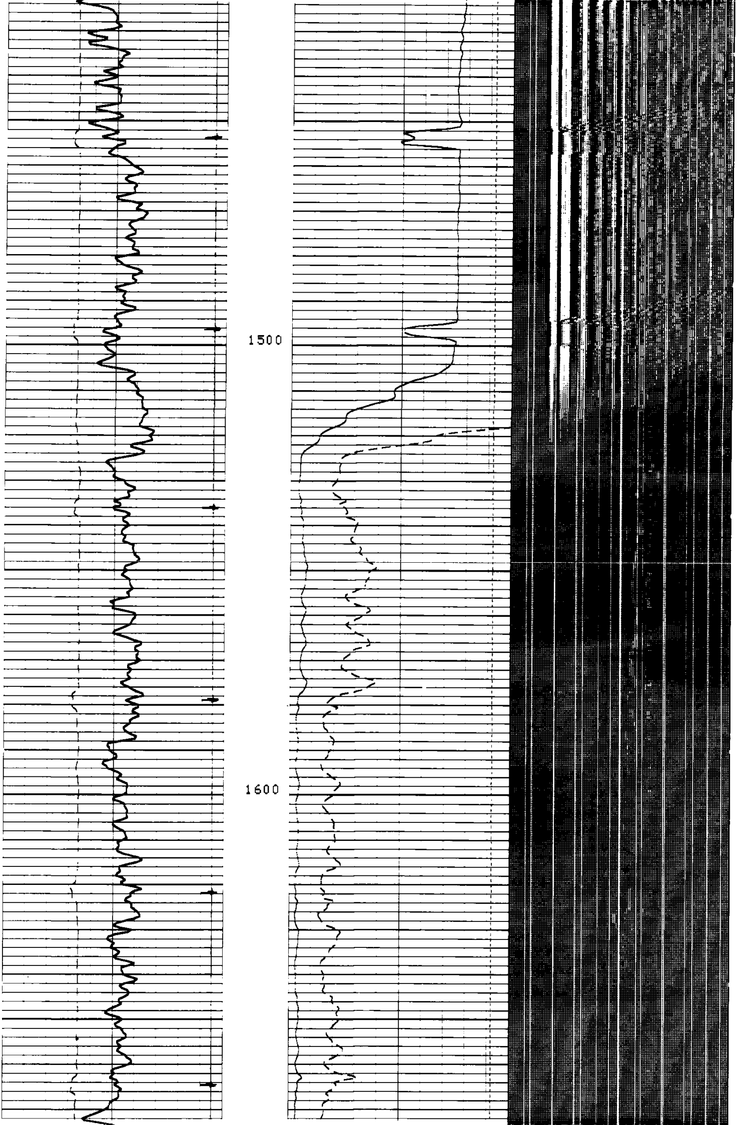
TENS(LBF)
1C000. 0.0
CBL(MV)
C.C 20.000
CBL(MV)
C.C 100.00

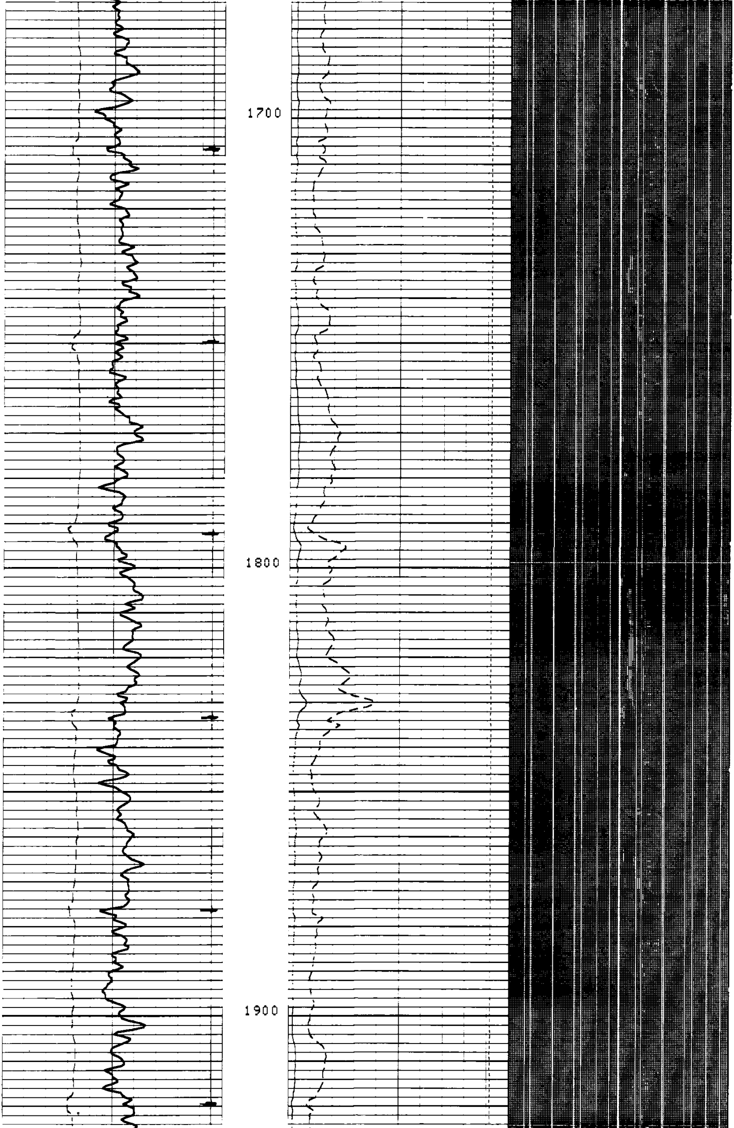
VDL(US)
200.00 1200.0

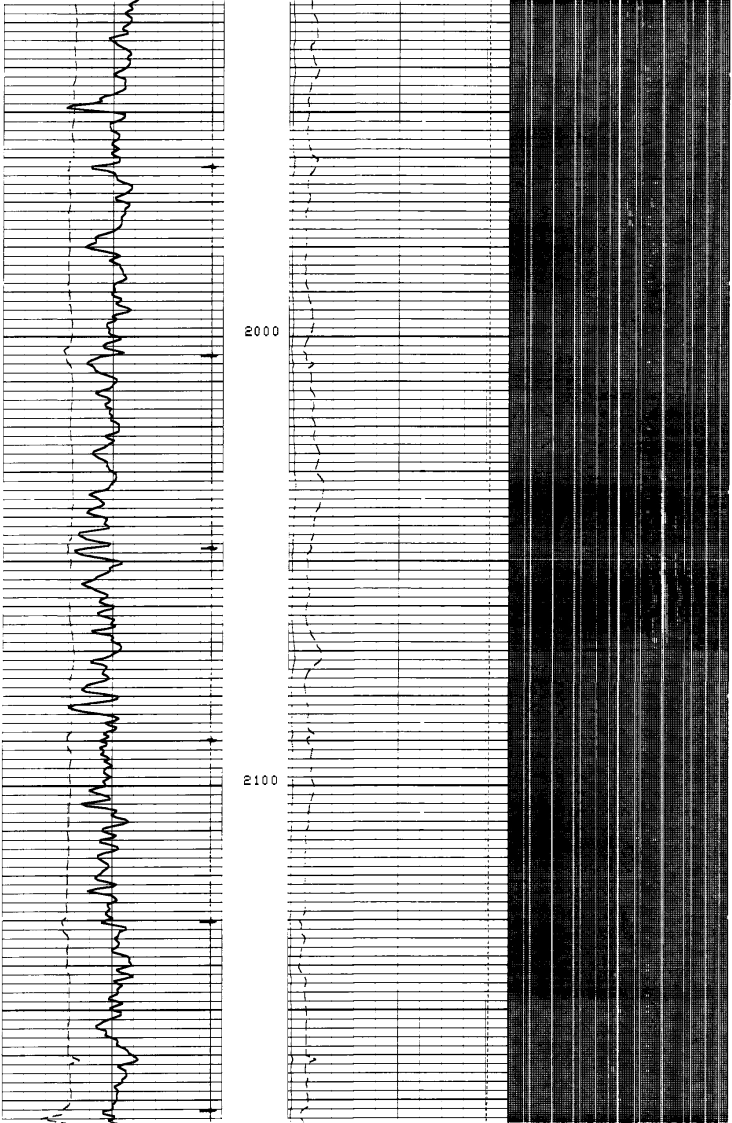
CP 38.2 FILE 4 04-AUG-1993 10:07 (UP)

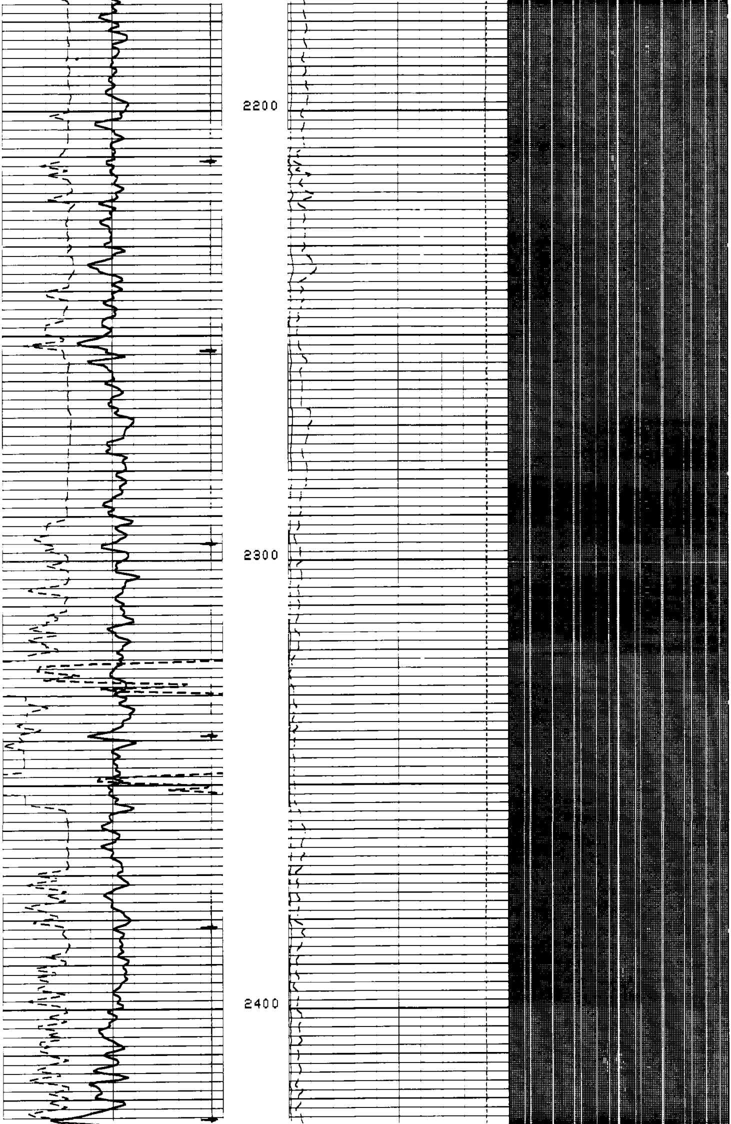
5"/100'

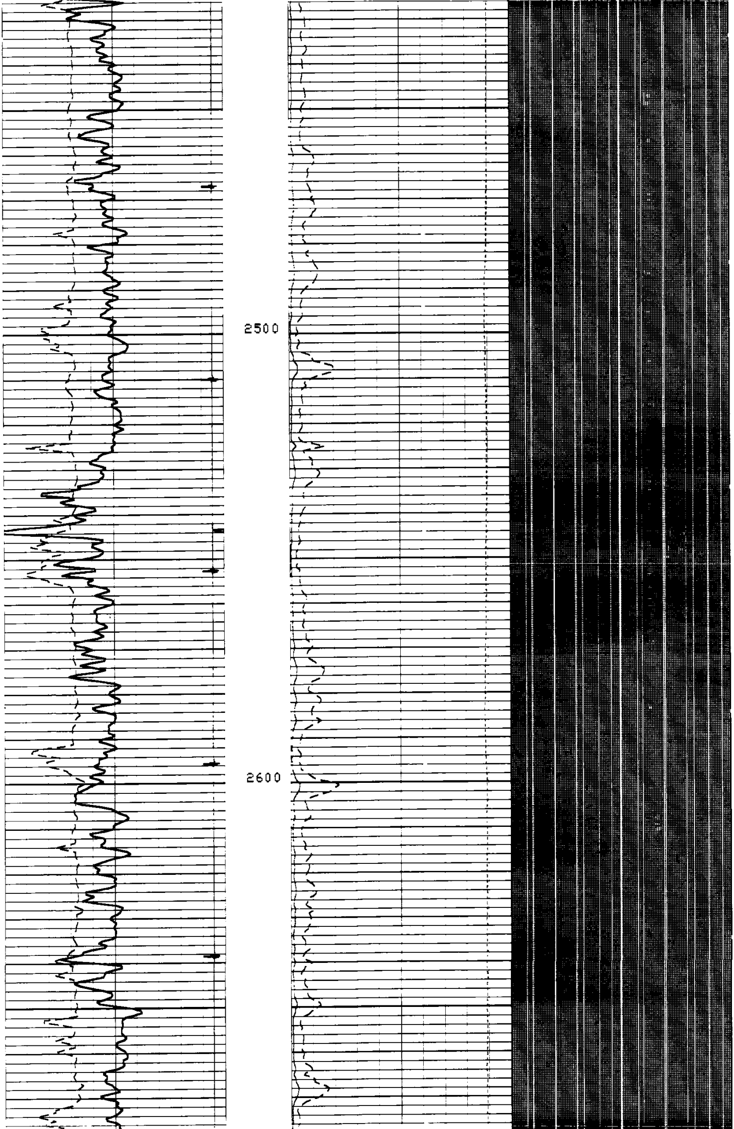


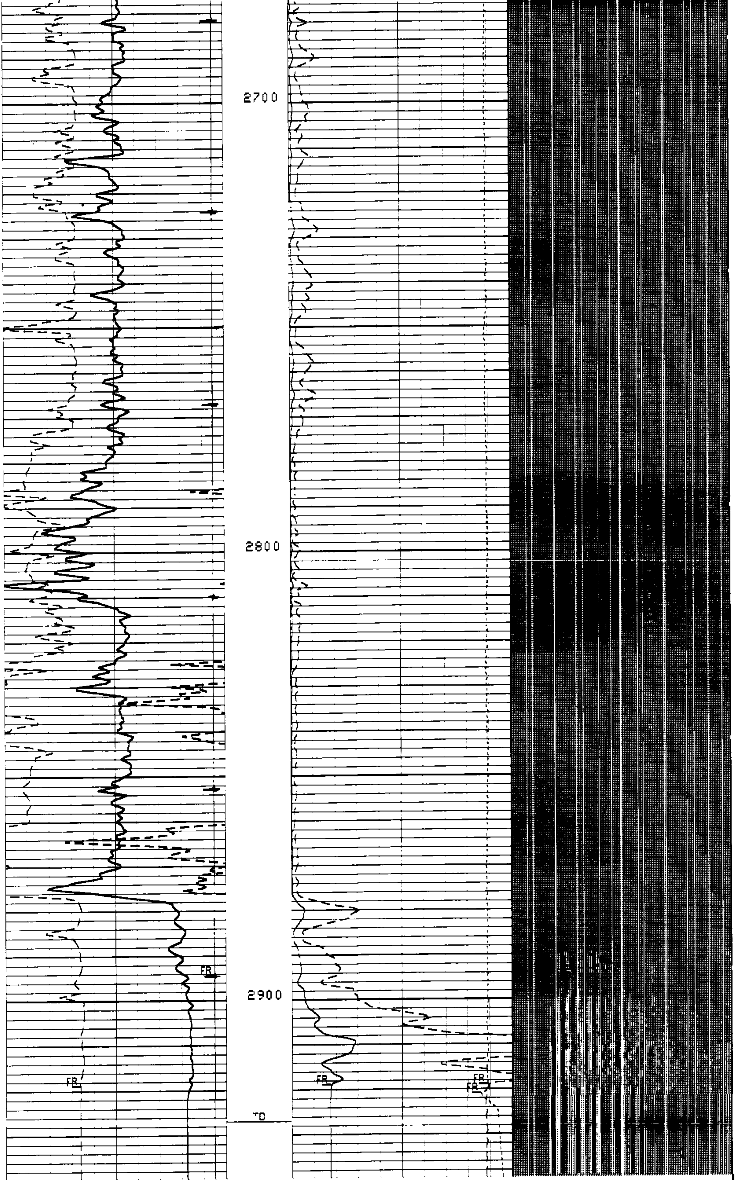












5"/100'

CP 38.2 FILE 4 04-AUG-1993 09:36 (UP)

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        NPOR(V/V )                                      TENS(LBF )
1.0000                      0.0                         10000.      0.0
        TT2(US  )                              CBL(MV  )
300.00                   100.00        0.0                  20.000
        CCL                                    CBL(MV  )                    VDL(US  )
-19.00                   1.0000        0.0                  100.00  200.00              1200.0
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SENSOR MEASURE POINT TO TOOL ZERO

SRAT	6.2	FEET	AMPL	8.2	FEET
CBFS	7.2	FEET	CBL	8.2	FEET
TT2	8.2	FEET	TT1	6.2	FEET
TT4	6.2	FEET	TT3	6.2	FEET
TT	8.2	FEET	T0	8.2	FEET
CBSL	8.2	FEET	TTSL	8.2	FEET
CNTC	25.0	FEET	CFTC	25.5	FEET
CCL	32.7	FEET	TENS	6.2	FEET
NOIS	6.2	FEET	TNRA	26.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	ALLO		VDLR	2IN	
VDLD	D3		TOCA	DISA	
RATE	15	HZ	DG	/20	
DETE	E1		NMSG	215	US
CBLG	35	US	AMPL	2	
CBL	UT		WFM	1	
SS	MEDI		TOD	ALLO	
DTF	189.000	US/F	DTM	56.0000	US/F
CDTS	100.000		SPFS	R-H	
WMUD	8.30000	LB/G	DPPM	STAN	
MATR	SAND		HC	BS	
NPDC	0		HSCO	YES	
SOCO	NO		MCCO	NO	
BSCO	NO		FSCO	NO	
MWCO	NO		PTCO	NO	
CCCO	NO		SDAT	SOCN	
MCOR	NATU		SOCN	.500000	IN
FSAL	-50000.0	PPM	ANGL	0.0	DEG
GGRD	.0100000	DF/F	BHFL	WATE	
CSTR	1500.00	PSIA	CWEI	11.6000	LB/F
DWCO	512		DSIN	5	US
DDEL	200	US	TDL	2940.00	F
MRT	100.000	DEGF	BSAL	700.000	PPM
DFD	10.2000	LB/G	RMFS	-50000.0	OHMM
MFST	66.0000	DEGF	BS	4.00000	IN
BHS	CASE		CSIZ	4.50000	IN

REPEAT SECTION

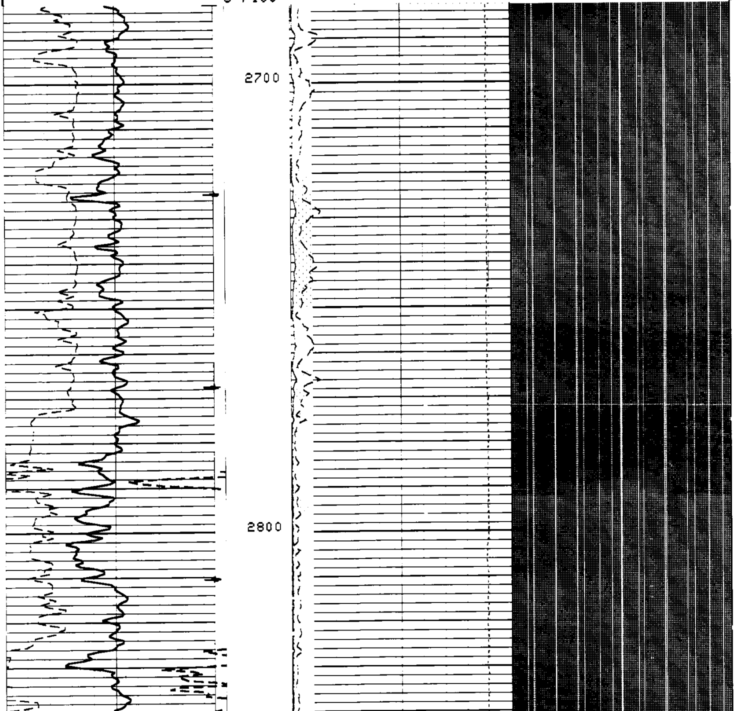
NPOR(V/V)	1.0000	0.0
TT2(US)	300.00	100.00
CCL	-19.00	1.0000
TENS(LBF)	10000.	0.0
CBL(MV)	0.0	20.000
CBL(MV)	0.0	100.00
VDL(US)	200.00	1200.0

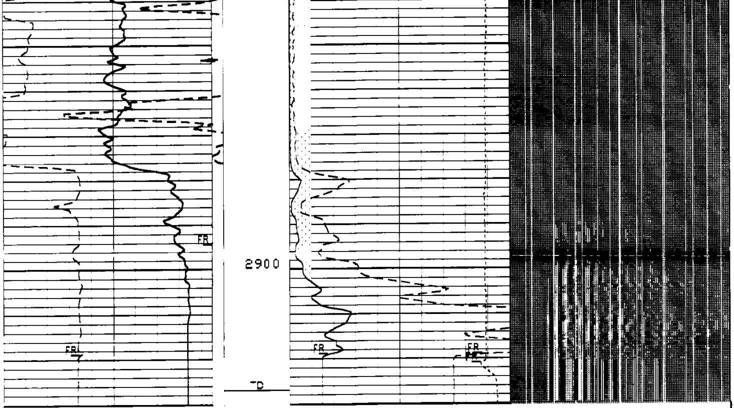
CCL -- Z1

CBL -- GOBO

CP 38.2 FILE 3 04-AUG-1993 09:31 (UP)

5"/100'





5"/100'

CP 38.2 FILE 3 04-AUG-1993 09:20 (UP)

CCL -- Z1

CBL -- GOBO

NPOR(V/V)
1.0000 0.0
TT2(US)
300.00 100.00
CCL
-19.00 1.0000

TENS(LBF)
10000. 0.0
CBL(MV)
0.0 20.000
CBL(MV)
0.0 100.00

VDL(US)
200.00 1200.0

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	6.2	FEET	AMPL	8.2	FEET
CBFS	7.2	FEET	CBL	8.2	FEET
TT2	8.2	FEET	TT1	6.2	FEET
TT4	6.2	FEET	TT3	6.2	FEET
TT	8.2	FEET	T0	8.2	FEET
CBSL	8.2	FEET	TTSL	8.2	FEET
CNTC	25.0	FEET	CFTC	25.5	FEET
CCL	32.7	FEET	TENS	6.2	FEET
NOIS	6.2	FEET	TNRA	26.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	ALLO		VDLR	2IN	
VDLO	D3		TOCA	DISA	
RATE	15	HZ	DG	/20	
DETE	E1		NMSG	215	US
CBLG	35	US	AMPL	2	

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CBL  UT                                WFM  1
SS   MEDI                              TOD  ALLO
DTF  189.000     US/F                  DTM  56.0000      US/F
CDTS 100.000                           SPFS R-H
WMUD 8.30000     LB/G                  DPPM STAN
MATR SAND                              HC   BS
NPDC 0                                 HSCO YES
SOCO NO                                MCCO NO
BSCO NO                                FSCO NO
MWCO NO                                PTCO NO
CCCO NO                                SDAT SOCN
MCOR NATU                              SOCN .500000      IN
FSAL -50000.0    PPM                   ANGL 0.0          DEG
GGRD .0100000    DF/F                  BHFL WATE
CSTR 1500.00     PSIA                  CWEI 11.6000      LB/F
DWCO 512                               DSIN 5            US
DDEL 200         US                    TDL  2940.00      F
MRT  100.000     DEGF                  BSAL 700.000      PPM
DFD  10.2000     LB/G                  RMFS -50000.0     OHMM
MFST 66.0000     DEGF                  BS   4.00000      IN
BHS  CASE                              CSIZ 4.50000      IN
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COMPANY NAHAMA & WEAGANT

WELL "COMPY" JOHNSTON #22B-19-65

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

SCHL. **FR** 2920.0 F
SCHL. **TD** 2927.0 F
DRLR. **TD** 2940.0 F
Elev: **KB** 947.0 F
DF 946.0 F
GL 937.0 F

Schlumberger

CEMENT BOND LOG
VARIABLE DENSITY