Schlumberger

DUAL INDUCTION-SFL-SONIC

WITH LINEAR CORRELATION LOG

COUNTY	COLUMBIA
FIELD	MIST
LOCATION	1579'N & 1370'E
WELL	"JR BURGER JOHNSTON" #24-19-65 R
COMPANY	NAHAMA AND WEAGANT ENERGY CO

COMPANY NAHAMA AND WEAGANT ENERGY CO.

WELL CC "JR BURGER JOHNSTON" #24-19-65 RD#1

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

LOCATION 1579'N & 1370'E
FROM SW CORNER OF:

Other Services: DIL/BHC/GR

API SERIAL NO.	SECT.	TWP.	RANGE
36-009-00315	19	6N	5W

Permanent Datum	GL	Elev.	628.3 F	Elev.: K.B.638.3 F
Log Measured From	KB	10.0 F	above Perm. Datum	D.F.637.3 F
Drilling Measured From	KB			G.L.628.3 F

Date	19-AUG-93				
Run No.	ONE				
Depth Driller	2882.0 F				
Depth Logger (Schl.)	2878.0 F				
Btm. Log Interval	2872.0 F				
Top Log Interval	502.0 F				
Casing-Driller	8 5/8	@ 502.0 F	@		@
Casing-Logger	502.0 F				
Bit Size	7 7/8	@ 2882.0 F	@		@
Type Fluid in Hole	GEL/POLYMER				
Dens. / Visc.	9.50 LB/G	44.0 S			
pH / Fld. Loss	9.0	6.0 C3			
Source of Sample	FLOWLINE				
Rm @ Meas. Temp.	1.820 OHMM	@ 84.0 DEGF	@		
Rmf @ Meas. Temp.	1.920 OHMM	@ 80.0 DEGF	@		
Rmc @ Meas. Temp.	1.530 OHMM	@ 79.0 DEGF	@		
Source: Rmf / Rmc	MEASURED	MEASURED			
Rm @ BHT	1.593 OHMM	@ 97.0 DEGF	@		
TIME Circulation Ended	08:30 19-AUG-93				
TIME Logger on Bottom	13:17 19-AUG-93				
Max. Rec. Temp.	97.0 DEGF				
Equip. / Location	8271	SACRAMENTO			
Recorded By	ROANE THORPE				
Witnessed By	ROB LUCAS				

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

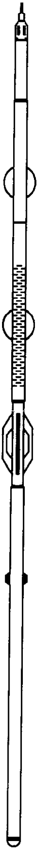
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.	624494		
Drilling Fluid Level	5.0 F		
Salinity	650.0 PPM		
Rmf @ BHT	1.606 OHMM	@ 97.0 DEGF	@
Rmc @ BHT	1.265 OHMM	@ 97.0 DEGF	@
Logging Speed	3600.0 F/HR		
EQUIPMENT DATA			
Tool Number 1	DIS-EC 1422		
Tool Number 2	DIC-DA 1149		
Tool Number 3	SLS-WA 1464		
Tool Number 4	SLC-MA 114		
Tool Number 5	MCD-B 1237		
Tool Number 6	SGC-JC 4148		
Tool Number 7	IEM-BD 1317		
Tool Number 8	SLM-DA 443		
Tool Number 9	NLM-BC 456		
Tool Number 10			
Tool Number 11			
Tool Number 12			

REMARKS:

TWO 1.5" STANDOFFS RUN ON INDUCTION TOOL
TWO CMEZ CENTRALIZERS RUN ON SONIC TOOL
1 1.5" STANDOFF RUN ON SONIC TOOL

LOGGING TOOL STRING SKETCH



SGTE, 3 3/8" OD

65.6 F

GR 64.7 F

SLTL, 3 5/8" OD

60.6 F

DT 41.7 F

MCDB, 3" OD

35.9 F

CALI 31.9 F

DITD, 3 5/8" OD

28.9 F

SP 10.2 F

ILD CILD 9.9 F

SFLU SFLA 6.8 F

ILM 6.1 F

TOOL ZERO

TOTAL TOOL STRING LENGTH IS 69.2 F.
TOTAL TOOL STRING WEIGHT IS 993. LB IN AIR.

MAIN LOG

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume:	529.802 F3	FROM 2878.00 F	TO 966.000 F
Integrated Cement Volume:	318.627 F3	FROM 2878.00 F	TO 966.000 F
(ASSUMING 4.50000 IN O.D. CASING)			
Integrated Transit Time:	.214410 S	FROM 2878.00 F	TO 966.000 F

EVENT MARK SUMMARY:

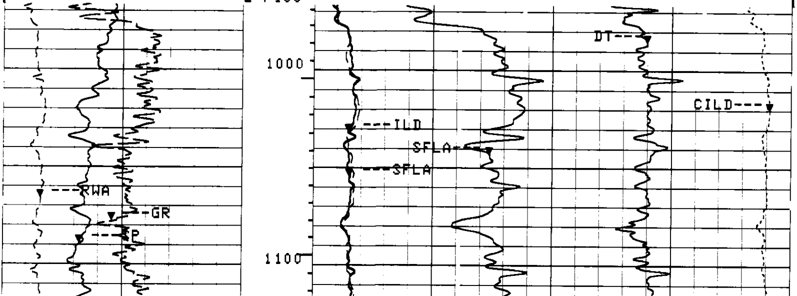
OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Transit Time	.00100000 S	RIGHT EDGE

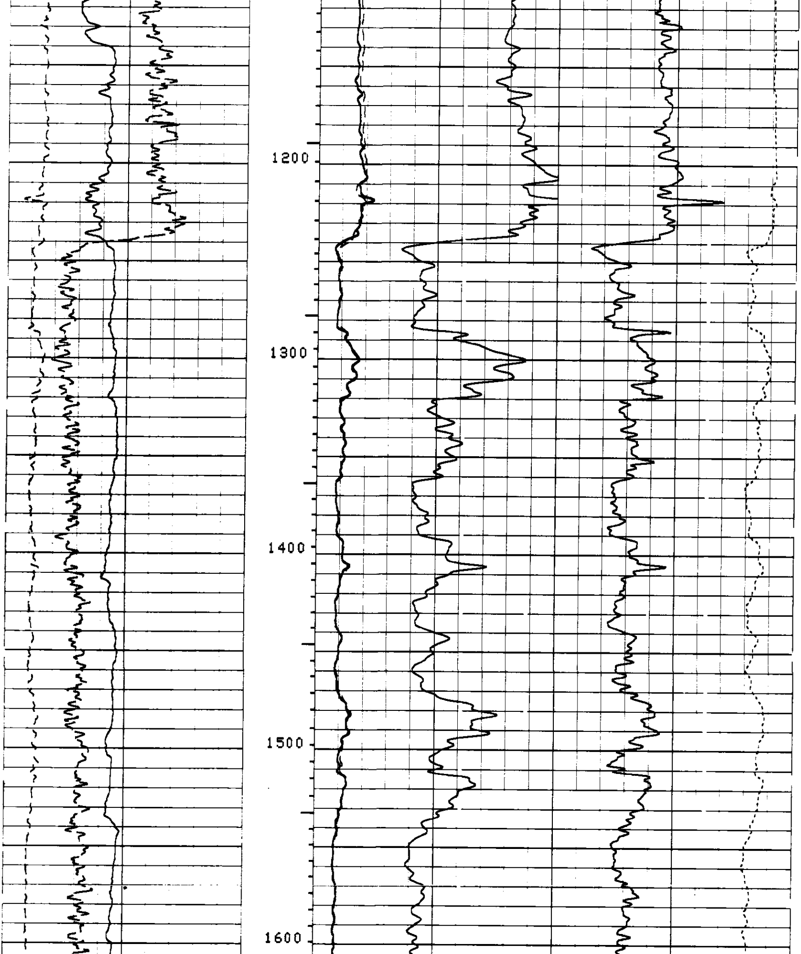
RWA(OHMM)			ILD(OHMM)			
0.0	3.0000		0.0	30.000		
GR(GAPI)			SFLA(OHMM)		DT(US/F)	
0.0	150.00		0.0	6.0000	150.00	50.000
SP(MV)			SFLA(OHMM)		CILD(MM/M)	
-150.0	0.0		0.0	30.000	2000.0	0.0

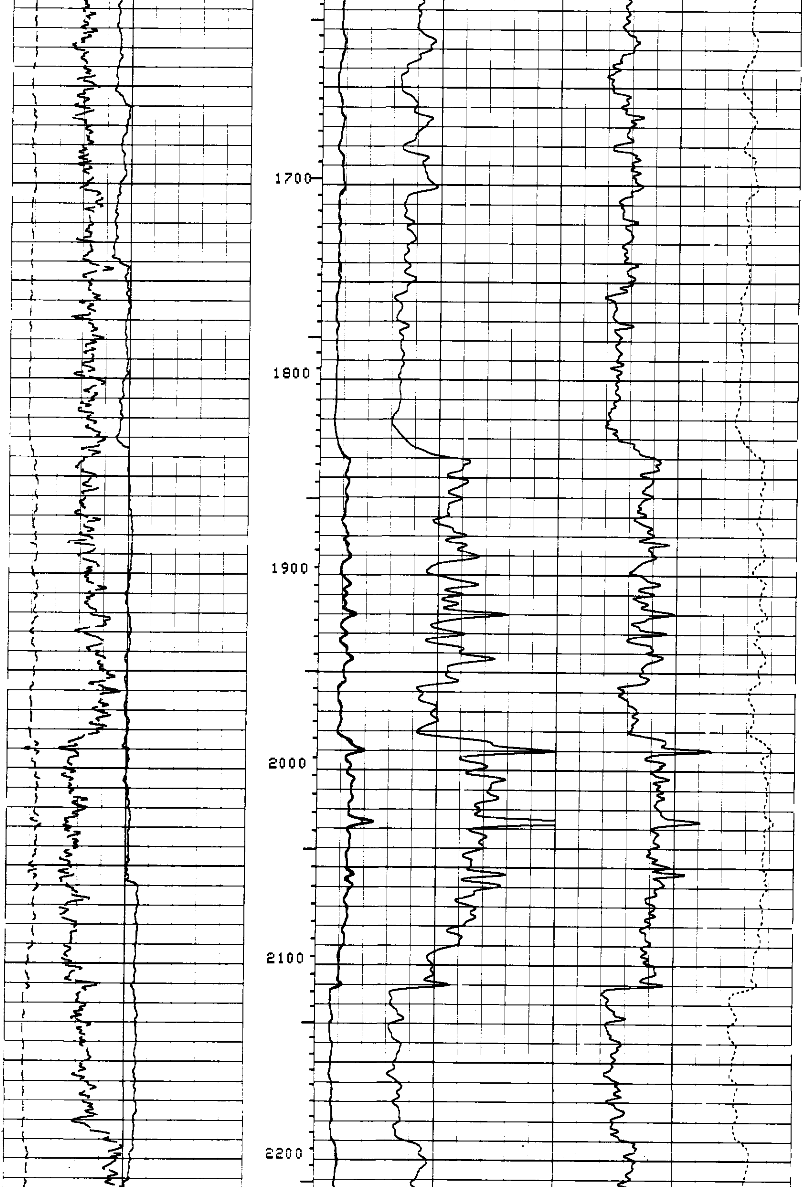
CP 38.2 FILE 12 19-AUG-1993 14:03

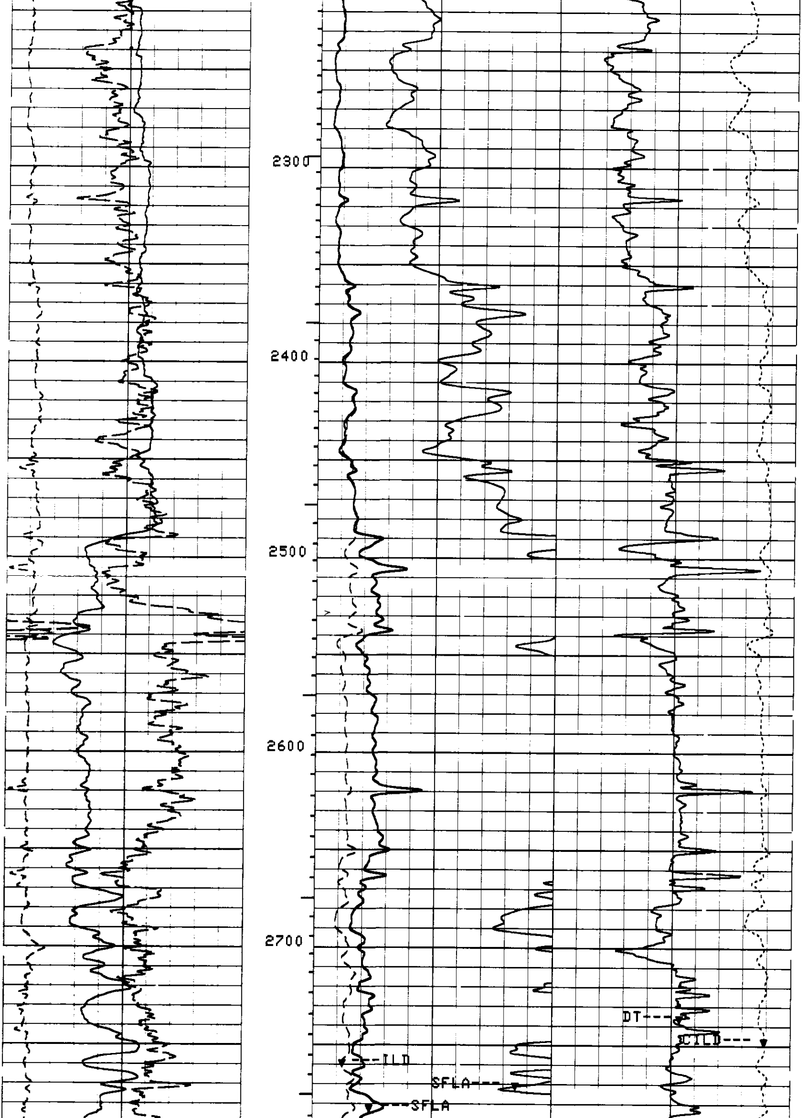
INPUT FILE(S) CREATION DATE
8 19-AUG-1993 13:16

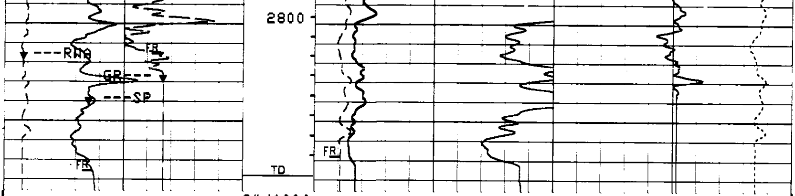
2"/100'











2"/100'

CP 38.2 FILE 12 19-AUG-1993 13:58

INPUT FILE(S) 8 CREATION DATE 19-AUG-1993 13:16

RWA(OHMM)		ILD(OHMM)	
0.0 3.0000		0.0 30.000	
GR(GAPI)		SFLA(OHMM)	DT(US/F)
0.0 150.00		0.0 6.0000	150.00 50.000
SP(MV)		SFLA(OHMM)	CILD(MM/M)
-150.0 0.0		0.0 30.000	2000.0 0.0

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.7	FEET	AMPL	44.1	FEET
CBFS	43.1	FEET	CBL	44.1	FEET
TT2	44.1	FEET	TT1	43.1	FEET
TT4	39.3	FEET	TT3	40.3	FEET
TT	44.1	FEET	TO	44.1	FEET
CBSL	44.1	FEET	TTSL	44.1	FEET
CALI	31.9	FEET	GR	62.7	FEET
ILM	6.1	FEET	ILD	9.9	FEET
SP	2.5	FEET	SFL	6.8	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMB	DISA		VDLR	2IN	
TOCA	DISA		RATE	15	HZ
DG	/5		DETE	E2	
NMSG	180	US	CBLG	35	US
AMPL	2		CBL	UT	
WFM	1		SS	FAST	
TOD	DISA		DTF	189.000	US/F
DTM	56.0000	US/F	CDTS	100.000	
SPFS	R-H		PP	NORM	
DO	0.0	F	WMUD	9.50000	LB/G
MSEC	7.50000	MM/M	SBR	1.00000	OHMM
DSEC	4.40000	MM/M	FCD	4.50000	IN
NCJT	GSRY		FPHI	SPHI	
DWCO	512		DSIN	5	US
DDEL	200	US	BS	7.87500	IN
BHS	OPEN				

COMPANY	NAHAMA AND WEAGANT ENERGY CO.		
WELL	"JR BURGER JOHNSTON" #24-19-65 RD#1		
FIELD	MIST		
COUNTY	COLUMBIA	**STATE**	OREGON

SCHL.	FR	2872.0 F
SCHL.	TD	2878.0 F
DRLR.	TD	2882.0 F
Elev:	KB	638.3 F
	DF	637.3 F
	GL	628.3 F

Schlumberger

DUAL INDUCTION-SFL-SONIC

WITH LINEAR CORRELATION LOG