COUNTY	COLUMBIA
FIELD	MIST
LOCATION	1757.6'S & 733'E
WELL	"RAVEN" #12A-33-75
COMPANY	NAHAMA AND WEAGANT ENERGY CO

Schlumberger

DUAL INDUCTION-SFL-SONIC
TRUE VERTICAL DEPTH

COMPANY	NAHAMA AND WEAGANT ENERGY CO.		
WELL	"RAVEN" #12A-33-75		
FIELD	MIST		
COUNTY	COLUMBIA	**STATE**	OREGON

LOCATION	1757.6'S & 733'E FROM NW CORNER OF:			**Other Services:** DIL/BHC/GR
API SERIAL NO. 36-009-000299	**SECT.** 33	**TWP.** 7N	**RANGE** 5W	

Permanent Datum	GL	Elev.	888.5 F	Elev.: K.B. 899.0 F
Log Measured From	KB	10.5 F	above Perm. Datum	D.F. 898.0 F
Drilling Measured From	KB			G.L. 888.5 F

Date	26-MAY-93			
Run No.	ONE			
Depth Driller	2475.0 F			
Depth Logger (Schl.)	2441.0 F			
Btm. Log Interval	2735.0 F			
Top Log Interval	488.0 F			
Casing-Driller	8 5/8 @ 496.0 F	@		@
Casing-Logger	488.0 F			
Bit Size	7 7/8 @ 2475.0 F	@		@
Type Fluid in Hole	GEL/POLY			
Dens. | Visc.	9.80 LB/G	45.0 S		
pH | Fld. Loss	8.5	6.2 C3		
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.350 OHMM @ 78.0 DEGF		@	
Rmf @ Meas. Temp.	3.650 OHMM @ 65.0 DEGF		@	
Rmc @ Meas. Temp.	2.190 OHMM @ 65.0 DEGF		@	
Source: Rmf | Rmc	MEASURED	MEASURED		
Rm @ BHT	1.939 OHMM @ 96.0 DEGF		@	
TIME Circulation Ended	18:30 26-MAY-93			
TIME Logger on Bottom	10:30 26-MAY-93			
Max. Rec. Temp.	96.0 DEGF			
Equip. | Location	8271	SACRAMENTO		
Recorded By	MIKE DEMSKII			
Witnessed By	ROB LUCAS			

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

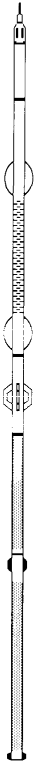
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.	624358			
Drilling Fluid Level	5.0 F			
Salinity	400.0 PPM			
Rmf @ BHT	2.551 OHMM	@ 96.0 DEGF		@
Rmc @ BHT	1.531 OHMM	@ 96.0 DEGF		@
Logging Speed	3600.0 F/HR			
EQUIPMENT DATA				
Tool Number 1	DIS 1422			
Tool Number 2	DIC 1149			
Tool Number 3	SLS-WC			
Tool Number 4	SLC-MA			
Tool Number 5	MCD-B			
Tool Number 6	SGC-JC			
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:

TWO 1.5" STANDOFFS RUN ON INDUCTION
TWO CMEZ CENTRALIZERS RUN ON SONIC
UNABLE TO REACH DRILLER TD DUE TO HOLE CONDITIONS
DEPTH DISCREPENCY BETWEEN DRILLER'S CASING DEPTH AND
LOGGER'S CASING DEPTH VERIFIED

LOGGING TOOL STRING SKETCH



SGTE		63.6 F
	GR	62.7 F
SLTQ		58.6 F
MCDB		35.9 F
	CALI	31.9 F
DITD		28.9 F
	ILD	9.9 F
	ILM	6.1 F
	SP	2.5 F
		TOOL ZERO

TOTAL TOOL STRING LENGTH IS 67.2 F.
TOTAL TOOL STRING WEIGHT IS 957. LB IN AIR.

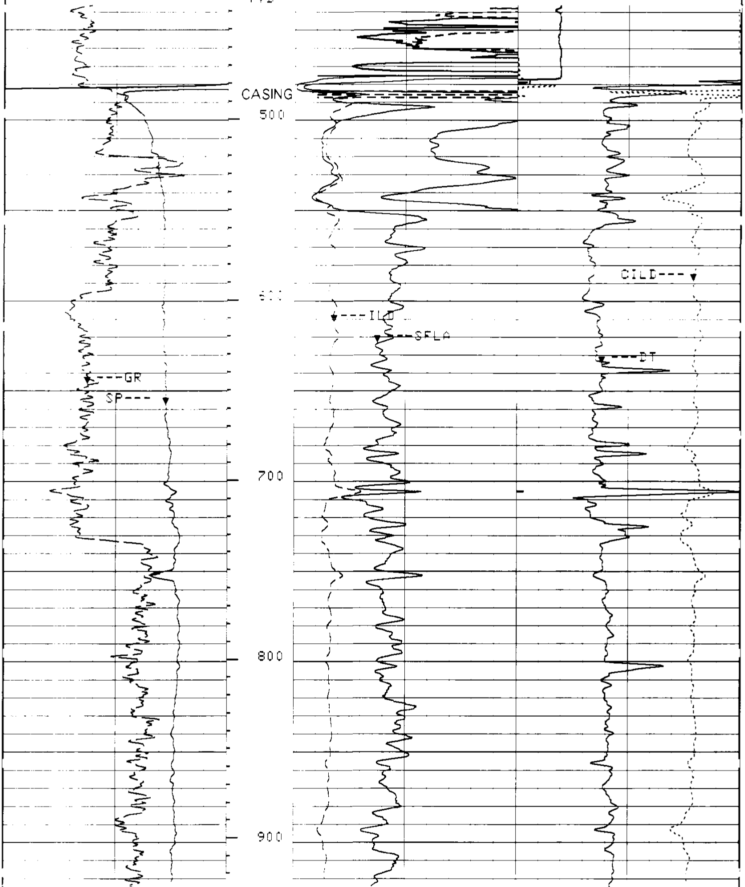
GR(GAPI)	ILD(OHMM) 0.0 – 30.000	CILD(MM/M)
0.0 – 150.00	SFLA(OHMM) 0.0 – 6.0000	1000.0 – 0.0
SP(MV) -135.0 – -35.00	SFLA(OHMM) 0.0 – 30.000	DT(US/F) 175.00 – 75.000

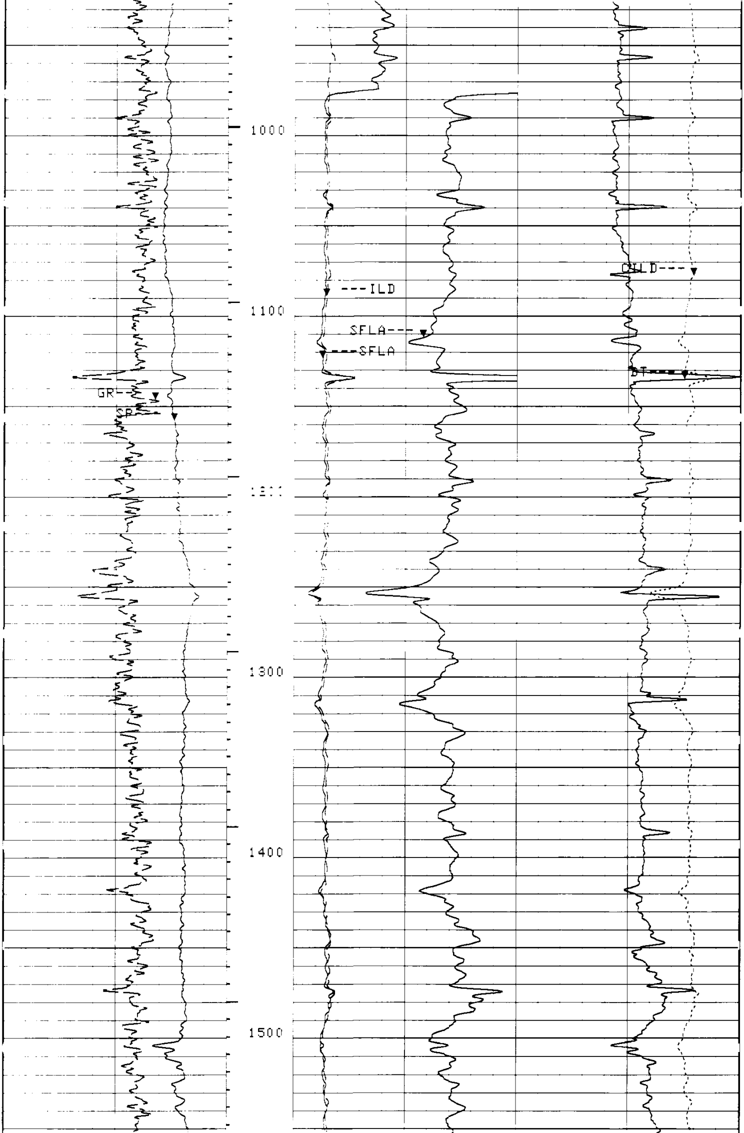
CF 38.2 FILE 24 27-MAY-1993 03:24

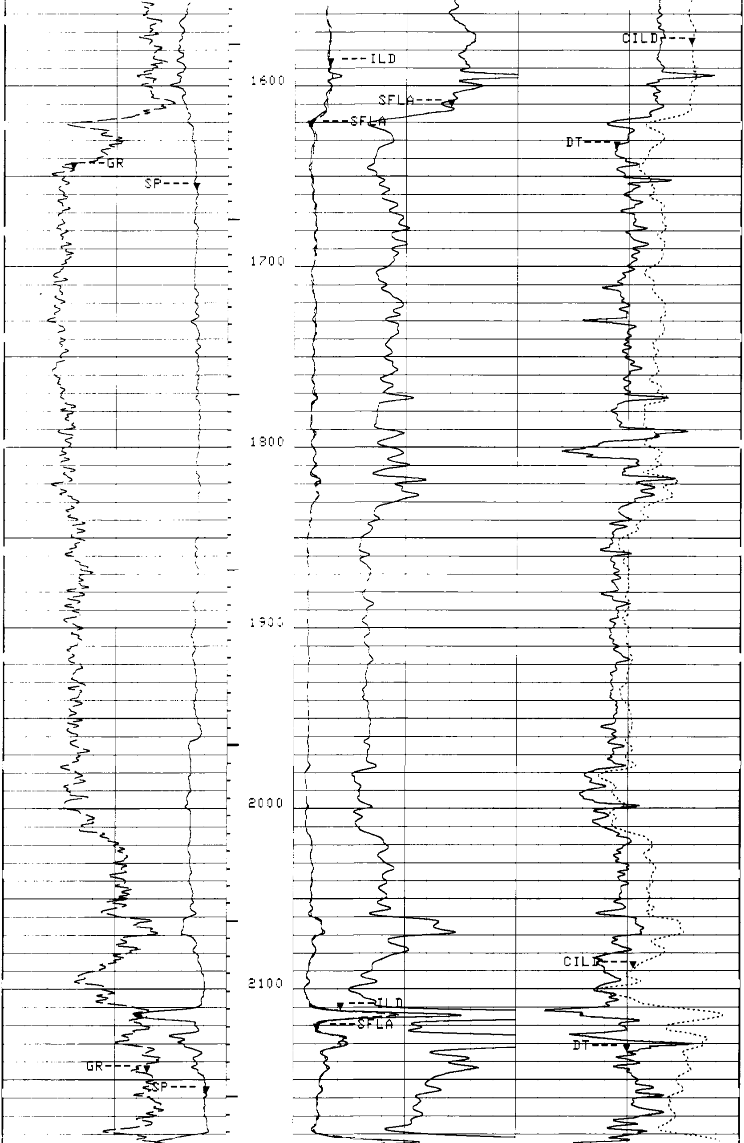
INPUT FILE(S) 18

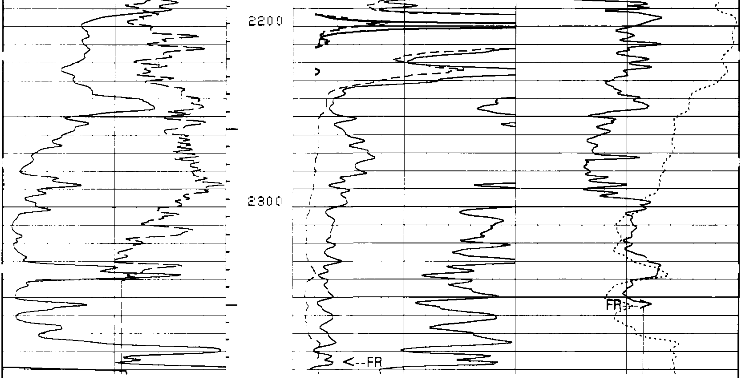
CREATION DATE 27-MAY-1993 01:47

2"/100'
TVD









TVD
2"/100'

CP 38.2 FILE 24 27-MAY-1993 03:19

INPUT FILE(S) CREATION DATE
18 27-MAY-1993 01:47

ILD(OHMM) 0.0 30.000

GR(GAPI) 0.0 150.00

SFLA(OHMM) 0.0 6.0000

CILD(MM/M) 1000.0 0.0

SP(MV) -135.0 -35.00

SFLA(OHMM) 0.0 30.000

DT(US/F) 175.00 75.000

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	T0	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

PARAMETER	VALUE	UNIT
SPDR - Spontaneous Potential Drift	0.0	
SMB - Sonic Memory Board	DISA	
VDLR - Defn not found	2IN	
TOCA - T0 Correction Status	DISA	
RATE - Firing Rate	15	HZ
DG - Downhole Gain	AUTO	
DETE - Detection	E2	
NMSG - Near Minimum Sliding Gate	180	US
CBLG - CBL Gate Width	35	US
AMPL - Sonic Amplitude	2	
CBL - Cement Bond Log Amplitude	UT	
WFM - Waveform Mode	1	
SS - Sweep Speed	FAST	
TOD - T0 Delay	DISA	
DTF - Delta-T Fluid	189.000	US/F
DTM - Delta-T Matrix	56.0000	US/F

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CDTS - Correction for Delta-T Shale, Empirical     100.000
SPFS - Sonic Porosity Formula Select               R-H
PP   - Playback Processing                         NORM
DO   - Depth Offset for Logical Unit LI1           0.0          F
WMUD - Weight of Mud                               9.80000      LB/G
MSEC - Medium Sonde Error Correction               6.90000      MM/M
SBR  - Shoulder Bed Resistivity                    1.00000      OHMM
DSEC - Deep Sonde Error Correction                 3.70000      MM/M
FCD  - Future Casing Diameter                      4.50000      IN
NCJT - NGT Calibration Jig Type                    GSRY
FPHI - Formation Factor Formula Porosity           SPHI
DWCO - Digitizer Word Count                        512
DSIN - Digitizer Sample Interval                   5            US
DDEL - Digitizing Delay                            200          US
SPVD - Start Point Vertical Depth                  0.0          F
SINT - Sampling Interval for GCT Depth-Logging Tap10.0000       M
BS   - Bit Size                                    7.87500      IN
BHS  - BoreHole Status (Open or Cased)             OPEN
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COMPANY NAHAMA AND WEAGANT ENERGY CO.

WELL "RAVEN" #12A-33-75

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

SCHL.	**FR**	2735.0 F
SCHL.	**TD**	2441.0 F
DRLR.	**TD**	2475.0 F
Elev:	**KB**	899.0 F
	DF	898.0 F
	GL	888.5 F

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