SCANNED

HALLIBURTON
LOGGING SERVICES, INC.

FOUR-ARM DIPMETER LOG

COMPANY ______
WELL ______
FIELD ______
COUNTY ______ STATE ______

COMPANY NAHAMA & WEAGANT ENERGY COMPANY cc
WELL ~~WINDY HILL~~ 44-8-64
FIELD MIST
COUNTY COLUMBIA STATE OREGON

API No 36-009-00285
Location 830.81' WEST & 869.75' NORTH FROM THE SOUTHEAST CORNER OF:
Sec 8 Twp 6N Rge 4W

Other Services
DIL/GR
BCS/GR

Permanent Datum GL Elev 1052.53'
Log Measured From KB 10' Ft Above Perm Datum
Drilling Measured From KB

Elev. K.B. 1062.53'
D.F. -
G.L. 1052.53'

Date	7-29-91			
Run No.	ONE			
Depth—Driller	1810'			
Depth—Logger	1810'			
Btm. Log Inter.	1808'			
Top Log Inter.	CASING			
Casing—Driller	8.63 @ 507'	@	@	@
Casing—Logger	507'			
Bit Size	7.87"			
Type Fluid in Hole	DRISPAC			
Dens. I Visc.	9.3 I 45	I	I	I
pH I Fluid Loss	8.5 I 6.5 ml	I ml	I ml	I ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	3.2 @ 72 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	4.1 @ 54 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.0 @ 64 °F	@ °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEAS I MEAS	I	I	I
R_m @ BHT	2.6 @ 92 °F	@ °F	@ °F	@ °F
Time Since Circ.	7.00 HOURS			
Time On Bottom	10:42			
Max. Rec. Temp.	92 °F @	°F @	°F @	°F @
Equip. I Location	7674 I BKFD	I	I	I
Recorded By	D. POZAS			
Witnessed By	J. VAUGHAN	B. PINOTTI		

Fold Here

Part Number 26000

Service Ticket No 6-242 AP Serial No PGM Version

Change in Mud Type or Additional Samples

Date | Sample No.	I	I
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.	I	I
ph | Fluid Loss	I ml	I
Source of Sample		
R_m @ Meas.Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}	I	I
R_m @ BHT	@ °F	@ °F
R_{mf} BHT	@ °F	@ °F
R_{mc} BHT	@ °F	@ °F

RESISTIVITY RWA SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

COMPUTED FROM

a	m

RESISTIVITY EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	FED G-144	BRASS	CENTER	

Borehole Corrections
shallow medium deep

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.		Run No.		Run No.		Run No.	
Serial No.		Serial No.		Serial No.		Serial No.	
Model No.		Model No.		Model No.		Model No.	
Diameter		No. of Cent.		Diameter		Diameter	
Detector Model No.		Spacing		Log Type		Log Type	
Type				Source Type		Source Type	
Length		LSA	☐ Yes ☐ No	Serial No.		Serial No.	
Distance to Source		FWDA	☐ Yes ☐ No	Strength		Strength	

LOGGING DATA

GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run No.	Depths From	Depths To	Speed Ft./Min.	Scale L	Scale R	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix
ONE	TD	CSG	30											

a = m = Δt_{sh} = Δt_{fl} = ρ_{fl} =

REMARKS RIG: TAYLOR DRILLING

CASED HOLE PARAMETERS

From	To
Bit Size	
Csg. O.D.	
Csg. Wt.	

Halliburton Logging Services, Inc. does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Halliburton Logging Services, Inc. personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions or recommendations agrees that Halliburton Logging Services, Inc. is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.

07-29-91 11:40 524.4 68242 0017-98 0 2

0 RB 360

0 BH DIR 360

0 AZI 360

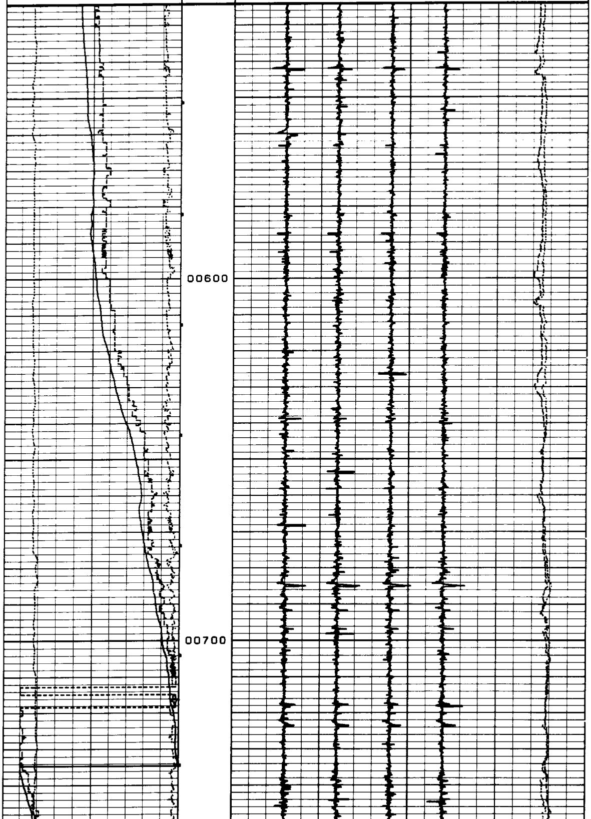
-1 INCL 9

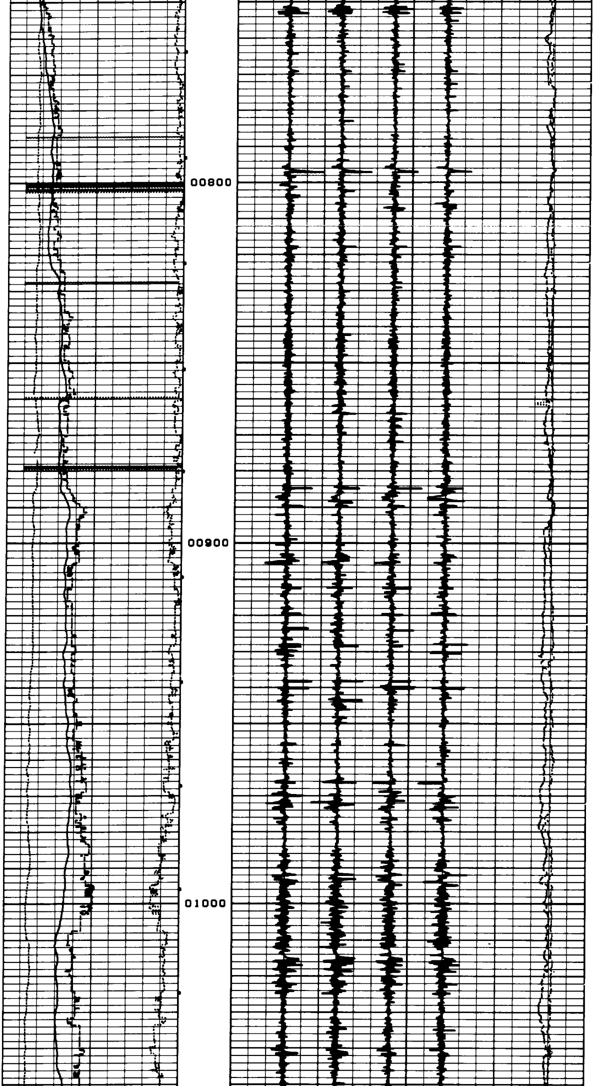
0 PAD1 1024 17 CAL1 (IN) 6

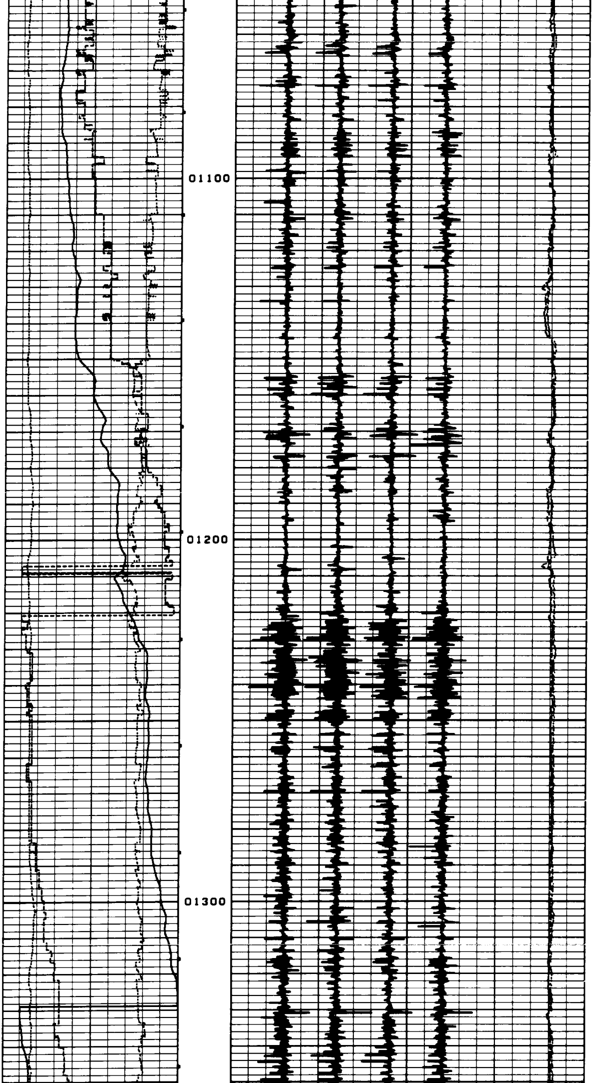
0 PAD2 1024 17 CAL2 (IN) 6

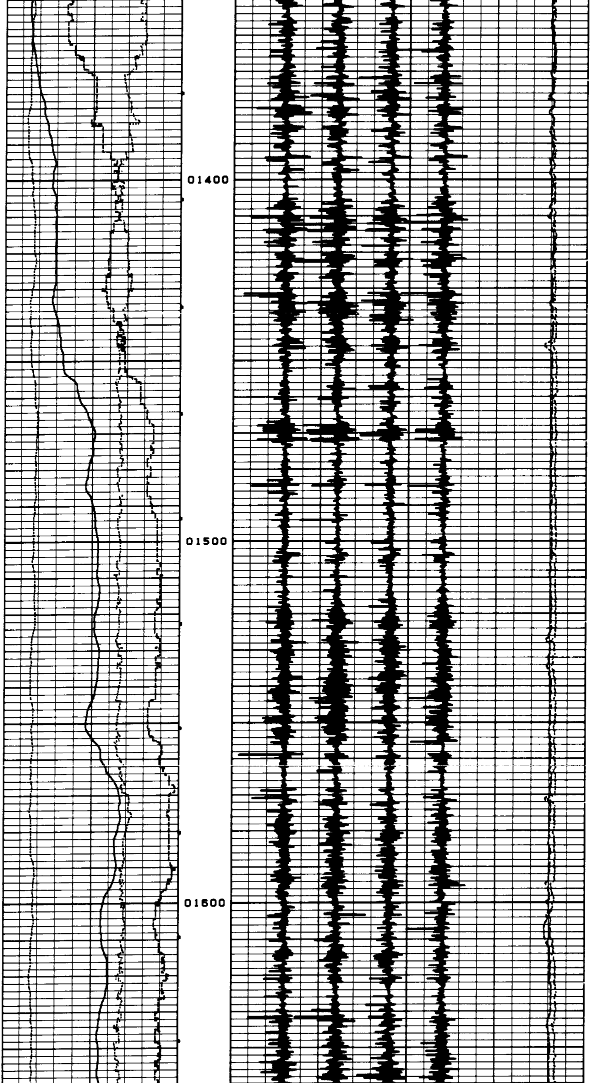
0 PAD3 1024

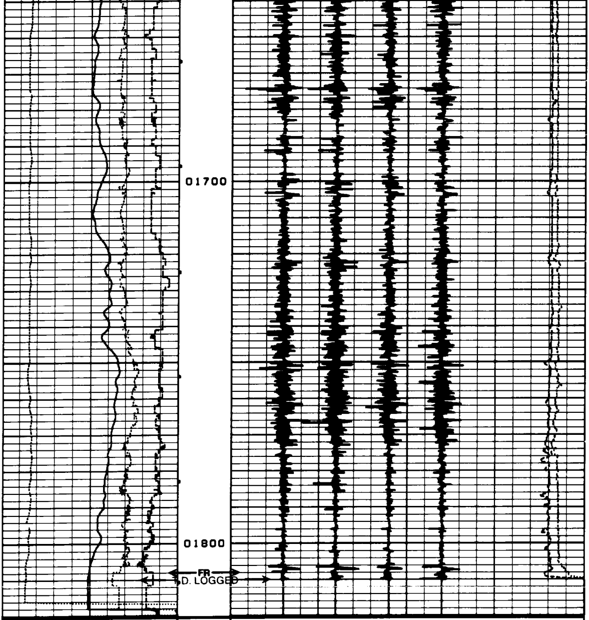
0 PAD4 1024











0 RB 360
0 BH DIR 360
0 AZI 360
-1 INCL 9

0 PAD1 1024 17 CAL1 (IN) 6
0 PAD2 1024 17 CAL2 (IN) 6
0 PAD3 1024
0 PAD4 1024

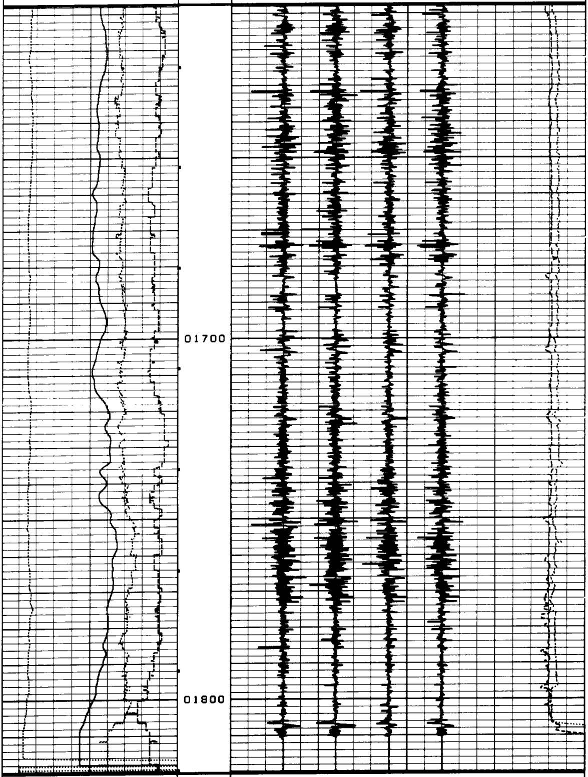
07-29-91	10:56	1820.1	68242	0017-98	0	2

REPEAT SECTION

07-29-91	10:50	1607.8	68242	0017-98	0	1

0 RB 360
0 BH DIR 360
0 AZI 360
-1 INCL 9

0 PAD1 1024 17 CAL1 (IN) 6
0 PAD2 1024 17 CAL2 (IN) 6
0 PAD3 1024
0 PAD4 1024



0 RB 360

0 BH DIR 360

0 AZI 360

-1 INCL 9

0 PAD1 1024 17 CAL1 (IN) 6

0 PAD2 1024 17 CAL2 (IN) 6

0 PAD3 1024

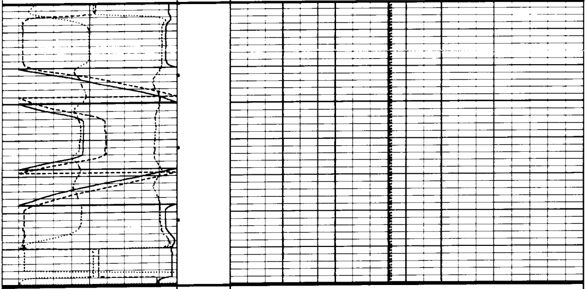
0 PAD4 1024

07-29-91 10:43 1820.0 68242 0017-98 0 1

07-29-91 10:33 0.0 68242 0017-98 0 0

0 RB 360
0 BH DIR 360
0 AZI 360
-1 INCL 9

0 PAD1 1024 17 CAL1 (IN) 6
0 PAD2 1024 17 CAL2 (IN) 6
0 PAD3 1024
0 PAD4 1024



0 RB 360
0 BH DIR 360
0 AZI 360
-1 INCL 9

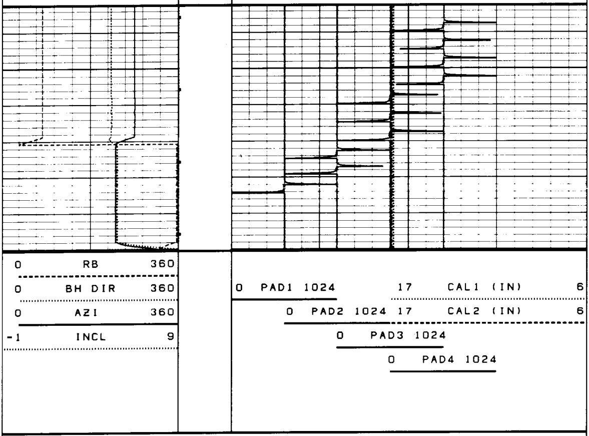
0 PAD1 1024 17 CAL1 (IN) 6
0 PAD2 1024 17 CAL2 (IN) 6
0 PAD3 1024
0 PAD4 1024

07-29-91 10:29 0.0 68242 0017-98 0 0

07-29-91 04:06 0.0 68242 0017-98 0 4

0 RB 360
0 BH DIR 360
0 AZI 360
-1 INCL 9

0 PAD1 1024 17 CAL1 (IN) 6
0 PAD2 1024 17 CAL2 (IN) 6
0 PAD3 1024
0 PAD4 1024



07-29-91 04:02 0.0 68242 0017-98 0 4

07-29-91 03:53 0.0 68242 0017-98 0 1

CALIPER BEFORE SURVEY CALIBRATION

TOOL TYPE: FED-FB SERIAL NO:00144

	TOOL SIGNAL		CALIBRATED (IN)
	CAL 1	CAL 2	
SMALL RING	103	122	6.00
LARGE RING	842	865	16.00
BITSIZE	190	199	8.00

4 1/2" TOOL