OC 34-31-65 + RD 1

HALLIBURTON LOGGING SERVICES, INC.

1" = 100'

COMPANY _____
WELL _____
FIELD _____
COUNTY _____ STATE _____

COMPANY MONTANA & WYOMING ENERGY CORPORATION
WELL HILLSBORO FED 1-31-1-65 (OIL)
FIELD NISSI
COUNTY COCHRANE
STATE ONTARIO

API No. 16-009-00281
Location 2007' (1" NORTH) & 661' (1/2" EAST) OF THE SOUTHEAST CORNER OF

Other Services
CDL/DSN/GR
DIL

DUAL INDUCTION LATEROLOG

Sec. 11	Twp. 6N	Rge. 6W	
Permanent Datum GL	Elev. 2186a ft	Elev. K.B. 2194a ft	
Log Measured From KB	10 ft Above Perm. Datum	D.F. 2193a ft	G.L. 2186a ft

Date	08-22-91												
Run No.	ONE												
Depth—Driller	1898' @												
Depth—Logger	1899' @												
Bottom Log Interval	1897' @												
Top Log Interval	1653' @												
Casing—Logger	401' @												
Bit Size	7-7/8"												
Type Fluid in Hole	LIGNOSULPHATE												
Dens. / Visc.	10.1 / 45												
pH / Fluid Loss	10.0 / 5.4 cm												
Source of Sample	DIVERTER												
Rm @ Meas. Temp.	1.4 @ 61.0 °F												
Rmf @ Meas. Temp.	2.48 @ 61.0 °F												
Rmc @ Meas. Temp.	1.4 @ 61.0 °F												
Source Rmf / Rmc	MEAS / MEAS												
Rm @ BHT	1.25 @ 88.0 °F												
Time Since Circ.	20:22												
Time On Bottom	20:33												
Max. Rec. Temp.	88.0 °F												
Equip. No. / Loc.	3101 / 65												
Recorded By	D. ADAMS												
Witnessed By	J. VOLKSEN												

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Equip. No. / Loc.	3101 / 65												
Recorded By	D. ADAMS												
Witnessed By	J. VOLKSEN												

Fold Here

Part Number 26000

Service Ticket No. L68247 API Serial No. PGM Version

Change in Mud Type or Additional Samples

Date	Sample No.		
Depth—Driller			
Type Fluid in Hole			
Dens. / Visc.			
pH / Fluid Loss			
Source of Sample			
R_m @ Meas. Temp.	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F	@ °F
Source R_{mf} / R_{mc}			
R_m @ BHT	@ °F	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °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	DIL IG-512		S.O.	CAL IC-403

Borehole Corrections

medium deep

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	C-3231	Serial No.		C-313		Serial No.	
Model No.	HA	Model No.		HA		Model No.	
Diameter	3.38"	No. of Cent.		TWO		Diameter	
Detector Model No.	NA	Spacing		TOP		Log Type	
Type	SCINT			BOTTOM		Source Type	
Length	3.5'	LSA		☐ Yes ☐ No		Serial No.	
Distance to Source	NA	FWDA		☐ Yes ☐ No		Strength	

LOGGING DATA

Run No.	GENERAL Depths From	To	Speed Ft./Min	GAMMA Scale L	R	ACOUSTIC Scale L	R	Matrix	DENSITY Scale L	R	Matrix	NEUTRON Scale L	R	Matrix
ONE	0	1897	45	0	150	175	275	55.6						

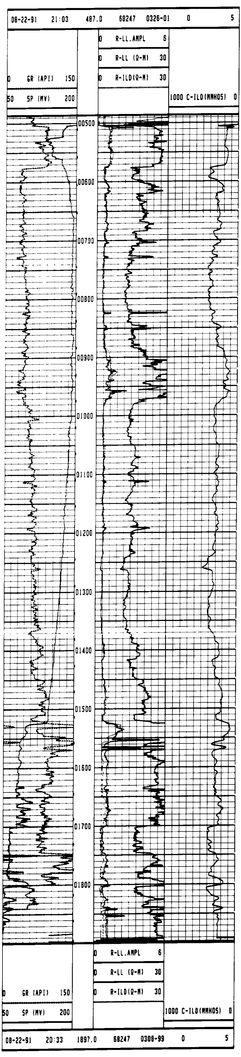
a = m = Δt_{ma} = Δt_f = ρ_{ma} =

REMARKS TAYLOR DRILLING

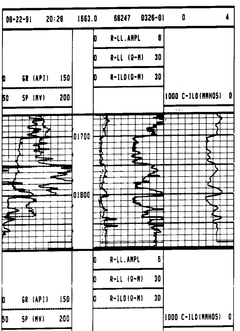
CASED HOLE PARAMETERS

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.



REPEAT SECTION



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