NABORS

COMPLETION & PRODUCTION SERVICES CO.

Gamma Ray, Cement Bond, Variable Density, CCL

Company: Petroleum Development Corporation
Well: Hamilton 31-25
Field: Wattenberg
County: Weld
State: Colorado
Country: USA

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API #: 05-123-14454
Sec: 25 Twp: 3N Rge: 68W
Other Services: CBL

Permanent Datum: Ground Level
Elevation: 4,837 ft
Log Measured From: Kelly Bushing 12 ft above Perm. Datum
Drilling Measured From: KB

	Elevation
K.B.	4,837
D.F.	
G.L.	4,837

Date: 11-Feb-14
Run Number: ONE
Depth Driller: 7,000 ft
Schlumberger Depth: 7,000 ft
Bottom Logged Interval: 6,998 ft
Top Logged Interval: surface
Casing Driller: 7" @ 7,000 ft
Casing Schlumberger: 7" @ 7,000 ft
Bit Size: 6 1/8 in
Type Fluid in Hole: water
Density: n/a
Viscosity: n/a
Fluid Loss: n/a
Source of Sample: n/a
Rm @ Measured Temp: n/a
Rmf @ Measured Temp: n/a
Rmc @ Measured Temp: n/a
Source of Rmf and Rmc: n/a
Rm @ BHT: n/a
Time Since Circulation: n/a
Time on Bottom: n/a
Maximum Recorded Temperature: n/a
Equipment Number: 10004
Location: Greeley
Recorded By: Jeff Hall
Witnessed By: Jeff Hall

Run Number: TWO
Depth Driller: 7,000 ft
Schlumberger Depth: 7,000 ft
Bottom Logged Interval: 6,998 ft
Top Logged Interval: surface
Casing Driller: 7" @ 7,000 ft
Casing Schlumberger: 7" @ 7,000 ft
Bit Size: 6 1/8 in
Type Fluid in Hole: water
Density: n/a
Viscosity: n/a
Fluid Loss: n/a
Source of Sample: n/a
Rm @ Measured Temp: n/a
Rmf @ Measured Temp: n/a
Rmc @ Measured Temp: n/a
Source of Rmf and Rmc: n/a
Rm @ BHT: n/a
Time Since Circulation: n/a
Time on Bottom: n/a
Maximum Recorded Temperature: n/a
Equipment Number: 10004
Location: Greeley
Recorded By: Jeff Hall
Witnessed By: Jeff Hall

	Run One	Run Two
Tool Type		
Tool Position		
Tool Diameter	3.5"	3.5"
Tool Length		
Weight		
Max Recorded Temp		
Logging Speed	30 ft/min	30 ft/min
Time Constant		
Density Tool		
Neutron Tool		
Gamma Ray Tool		
Other Tools		

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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 interpretation, 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 interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for choosing Nabors

Database File: pdch3125.db
Dataset Pathname: pass1:3
Presentation Format: cbl_dlrs
Dataset Creation: Fri Jan 24 11:02:49 2014 by Calc Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200
15 Collar Locator -2
0 Gamma Ray (GAPI) 200

0 AMP3 (mV) 100 200 VDL 1200
0 Amplified Amp 3 (mV) 10

Fluid Level

400 TRAVEL TIME (usec) 200
15 Collar Locator -2
0 Gamma Ray (GAPI) 200

0 AMP3 (mV) 100 200 VDL 1200
0 Amplified Amp 3 (mV) 10