

PEAK WIRELINE  
SERVICES, INC.

DUAL SPACED  
CEMENT BOND LOG

Company: WESTERN OPERATING COMPANY

Well: CULLEN-BOYERO #1-30

Field: WILDCAT

County: LINCOLN

State: COLORADO

Location: 1200 FNU & 1895 FEL  
WILDCAT LINCOLN COLORADO

SEC 30 TWP 12S RGE 52W  
GROUND LEVEL: Elevation 4810  
Log Measured From KELLY BUSHING 13' AGL  
Ditch Measured From 12-22-12

Permit Number: N-S 4823  
D/F 4822  
G/L 4810

Date Entered: 6/7/95

Depth Logged: 6704

Bottom Logged Interval: 6704

Casing Size: 5 1/2"

Type Fluid: WATER

Density / Viscosity: 8.33 / 100

Estimated Cement Top: 3525

Time Well Ready: 18-7

Time Spent on Bottom: 1-30/run/1/pass3

Recorded By: HERBERSON

Checked By: CHEWIE WELLS

Run Number: 12

BIT: 12 1/8"

From: 475

To: 6765

Size: 4.0

Weight: 16

Turns Record: 10

From: 0

To: 6765

Collar Record: 8.08

Size: 2 1/4"

From: 0

To: 475

Collar String: 5.127

Size: 15.54

From: 0

To: 6762.34

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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

PEAK WIRELINE  
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PORT COLLAR

Database File: cullenboyero.db  
Dataset Pathname: 1-30/run/1/pass3  
Presentation Format: cblidg  
Dataset Creation: Sat Dec 22 10:31:56 2012 by Log Std Casedhole 07081  
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1  
0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

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0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

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MAIN PASS

Database File: cullenboyero.db  
Dataset Pathname: 1-30/run/1/pass2.51  
Presentation Format: cblidg  
Dataset Creation: Mon Dec 31 13:40:04 2012  
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1  
0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

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0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

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REPEAT SECTION

Database File: cullenboyero.db  
Dataset Pathname: 1-30/run/1/pass1  
Presentation Format: cblidg  
Dataset Creation: Sat Dec 22 09:58:35 2012 by Log Std Casedhole 07081  
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1  
0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

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0 Amplitude (mV) 100 200  
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Variable Density 1200

9 Collar Locator -1  
0 GR (GAPI) 150

0 Amplitude (mV) 100 200  
800 Travel Time (usec) 200

Variable Density 1200

Database File: cullenboyero.db Dataset Pathname: 1-30/run/1/pass2 Dataset Creation: Sat Dec 22 10:03:35 2012 by Log Std Casedhole 07081			
Gamma Ray Calibration Report			
Serial Number:	061120GR		
Tool Model:	PROBE		
Performed:	Thu Dec 29 07:56:28 2011		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	1.0000	GAPI/cps	
Cement Bond Log Calibration Report			
Serial Number:	5.5dig040201		
Tool Model:	Probe275Digital		
Performed:	Sat Dec 22 10:03:20 2012		
Depth:	2384.19	ft	
Casing Diameter:	5.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	mV	
Calibrated Amplitude:	71.921	mV	
Reading at Signal Zero:	-0.516187	mV	
Reading in Free Pipe:	1.82327	V	
Gain:	30.7426	41.2265	
Offset:	15.8689	-4.71649	