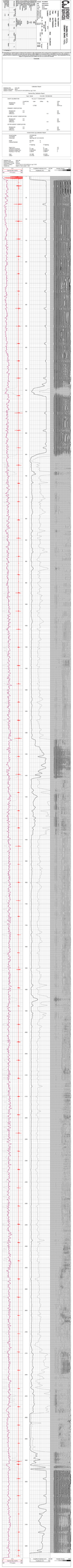

C&J ENERGY SERVICES

GAMMA RAY - C.C.L.
CEMENT BOND - V.D.L.

Company	PDC ENERGY		
Well	AVERY #13-10		
Field	WATTENBERG		
County	WELD	State	COLORADO

Location: API #:
1846' FSL & 463'FWL
NW/SW
SEC 10 TWP 6N RGE 65W

Other Services

Permanent Datum	G.L.	Elevation	4750
Log Measured From	K.B.		
Drilling Measured From	K.B.		

Elevation
K.B. 4760
D.F. 4759
G.L. 4750

Company	PDC ENERGY
Well	AVERY #13-10
Field	WATTENBERG
County	WELD
State	COLORADO

Date	OCT-2-2018
Run Number	ONE
Depth Driller	7361
Depth Logger	
Bottom Logged Interval	3200
Top Log Interval	-0-
Casing Size	4 1/2
Type Fluid	WATER
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	200128
Tool Size / ID Number	1 11/16 PROBE
Location	STERLING
Recorded By	R.GARDNER
Witnessed By	EDUARDO CHAVEZ

Borehole Record			Tubing Record		
Bit	From	To	Size	Weight	From	To

Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4 1/2			
Liner				

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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

Calibration Report

Database File: avery.db
Dataset Pathname: pass7
Dataset Creation: Tue Oct 02 15:19:18 2018 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: CCL/GR / FW1406-009

SHOP CALIBRATION Thu Jun 11 13:08:30 2015

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.7000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: FW1406-029
Tool Model: Probe
Performed: Wed Sep 26 14:21:09 2018

Depth: 810.583 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.00275879	0.0026123	V
Reading in Free Pipe:	2.49878	2.49878	V
Gain:	32.1296	32.5283	
Offset:	0.911361	-0.0849737	

Database File: avery.db
Dataset Pathname: pass7
Presentation Format: nuexcbl
Dataset Creation: Tue Oct 02 15:19:18 2018 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240