PIONEER

Pioneer Energy Services

CEMENT BOND LOG WITH CCL/VDL/GR

Company	AUGUSTUS ENERGY RESOURCES, LLC
Well	BARBER 34-07 5N46W
Field	WILDCAT
County	YUMA
State	COLORADO
Country	USA

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Location: API # : 05-125-12105
605' FSL & 1805' FEL
SW SE
SEC 7 TWP 5N RGE 46W

Other Services

Permanent Datum Elevation 3923'
Log Measured From
Drilling Measured From

Elevation
K.B. 3929'
D.F. 3928'
G.L. 3923'

Date	09/09/2014
Run Number	1
Depth Driller	2912'
Depth Logger	2850'
Bottom Logged Interval	2850'
Top Log Interval	SURFACE
Open Hole Size	6.25"
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	SEE LOG
Time Well Ready	08:00
Time Logger on Bottom	08:30
Equipment Number	96
Location	FT. MORGAN
Recorded By	TIM REESE
Witnessed By	GREG J.

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
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

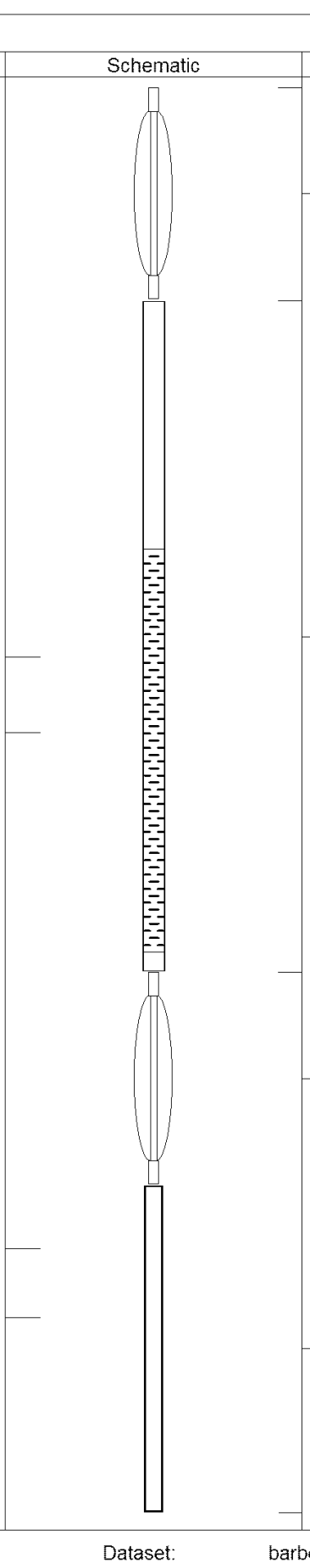
Database File: barber 34-07 5n46w.db
Dataset Pathname: pass1
Dataset Creation: Tue Sep 09 08:15:32 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	275_Top	
Tool Model:	Top_det	
Performed:	Fri Aug 29 09:06:30 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	45.1	cps
Calibrator Reading:	326.6	cps
Sensitivity:	0.5000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	275		
Tool Model:	Probe		
Performed:	Wed Sep 03 19:30:05 2014		
Depth:	174.808 ft		
Casing Diameter:	7 in		
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	62.1651	62.1651	mV
Reading at Signal Zero:	0.0106689	0.0108887	V
Reading in Free Pipe:	1.51343	1.68525	V
Gain:	40.7019	36.5303	
Offset:	0.565754	0.602233	



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3 WVF5	11.35 10.35		CBL-Probe (275) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
			PTS275	2.83	2.75	
CCL GR	3.50 2.58		GR-Top_det (275_Top)	4.33	2.75	

Dataset: barber 34-07 5n46w.db: field/well/run1/pass4
Total Length: 18.92 ft
Total Weight: 60.00 lb
O.D. 2.75 in

Database File: barber 34-07 5n46w.db
Dataset Pathname: pass4
Presentation Format: cbl_dr
Dataset Creation: Tue Sep 09 08:56:01 2014 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

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