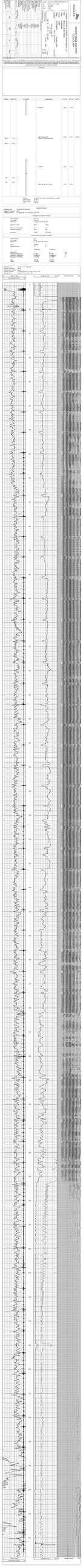

PIONEER
Pioneer Energy Services

CEMENT BOND LOG WITH CCL/VDL/GR

Company AUGUSTUS ENERGY RESOURCES, LLC
Well MCCALL 33-09 1N46W
Field SCHRAMM
County YUMA
State COLORADO Country USA

Company AUGUSTUS ENERGY RESOURCES, LLC
Well MCCALL 33-09 1N46W
Field SCHRAMM
County YUMA
State COLORADO Country USA

Location: API # : 0512512104
2343' FSL & 2444' FEL
NW SE SE
SEC 9 TWP 1N RGE 46W

Other Services

Permanent Datum
Log Measured From
Drilling Measured From
Elevation 3952'

Elevation
K.B. 3958'
D.F. 3957'
G.L. 3952'

Date	29 AUGUST 2014
Run Number	1
Depth Driller	2697'
Depth Logger	2628'
Bottom Logged Interval	2628'
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	09:00
Time Logger on Bottom	09:30
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				

<<< Fold Here >>>

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

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

Dataset: mccall 33-09 1n46w.db: field/well/run1/pass1
Total Length: 18.92 ft
Total Weight: 60.00 lb
O.D. 2.75 in

Calibration Report

Database File: mccall 33-09 1n46w.db
Dataset Pathname: pass5
Dataset Creation: Fri Aug 29 09:32:17 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:	Fri Aug 29 09:28:16 2014		
Depth:	726.883	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:	0.00966797	0.00961914	V
Reading in Free Pipe:	0.345996	0.210425	V
Gain:	238.446	404.352	
Offset:	-1.30529	-3.88952	

Database File: mccall 33-09 1n46w.db
Dataset Pathname: pass5
Presentation Format: cbl_dr
Dataset Creation: Fri Aug 29 09:32:17 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240