PIONEER
Pioneer Energy Services

CEMENT BOND LOG WITH CCL/VDL/GR

Company	AUGUSTUS ENERGY RESOURCES, LLC
Well	TAYLOR FAMILY 21-14 4N47W
Field	WILDCAT
County	YUMA
State	COLORADO
Country	USA

Company AUGUSTUS ENERGY RESOURCES, LLC
Well TAYLOR FAMILY 21-14 4N47W
Field WILDCAT
County YUMA
State COLORADO Country USA
Location: API # : 05-125-12102
340' FNL & 2250' FWL
SEC 14 TWP 5N RGE 47W
Other Services

Permanent Datum
Log Measured From
Drilling Measured From
Elevation 3943'

Elevation
K.B. 3949'
D.F. 3948'
G.L. 3943'

Date	09/09/2014
Run Number	1
Depth Driller	2921'
Depth Logger	2900'
Bottom Logged Interval	2900'
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	11:30
Time Logger on Bottom	12:00
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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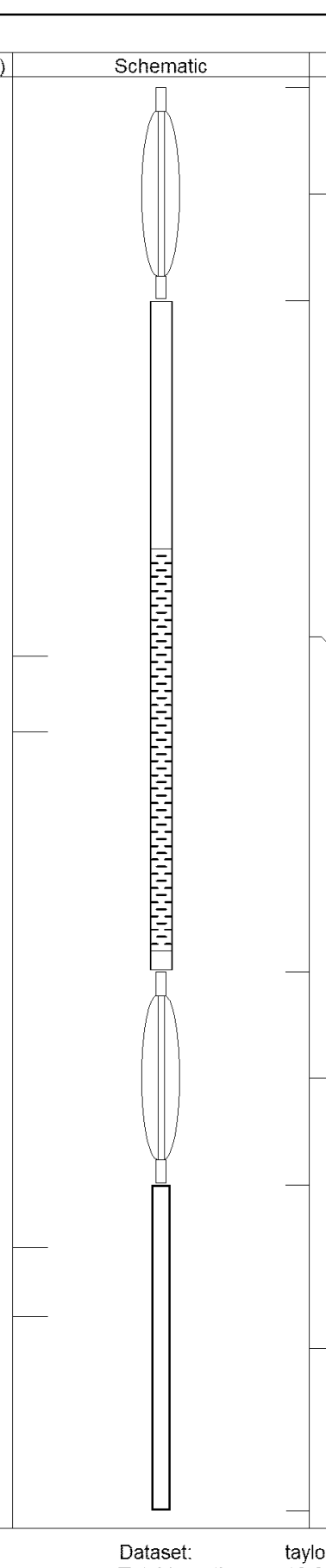
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

SHORT JOINT @ 2630' TO 2650'

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: taylor family 21-14.db: field/well/run1/pass2
Total Length: 18.92 ft
Total Weight: 60.00 lb
O.D. 2.75 in

Calibration Report

Database File: taylor family 21-14.db
Dataset Pathname: pass2
Dataset Creation: Tue Sep 09 11:45:31 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:	Tue Sep 09 08:18:15 2014		
Depth:	48.9	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0108154	0.0109375	V
Reading in Free Pipe:	1.57312	1.34351	V
Gain:	35	60.1816	
Offset:	0.444823	0.341764	

Database File: taylor family 21-14.db
Dataset Pathname: pass2
Presentation Format: cbl_dr
Dataset Creation: Tue Sep 09 11:45:31 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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