PIONEER
Pioneer Energy Services

GAMMA RAY CCL CEMENT BOND VDL SECTOR MAP

Company	Kerr-McGee Oil & Gas
Well	UPRR 41 Pan Am H 1
Field	Wattenberg
County	Weld
State	Colorado
Country	USA

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Well UPRR 41 Pan Am H 1
Field Wattenberg
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State Colorado
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Location: API # : 05-123-14386
1345' FSL & 1305' FEL NESE
SEC 23 TWP 3N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation 4975	Elevation K.B. 4988 D.F. 4987 G.L. 4975
Log Measured From	KB		
Drilling Measured From	KB		

Date	June 5, 2014	
Run Number	1	
Depth Driller	7985	
Depth Logger	5530	
Bottom Logged Interval	5530	
Top Log Interval	0	
Open Hole Size	7-7/8"	
Type Fluid	Drilling Mud	
Density / Viscosity	/	
Max. Recorded Temp.	NA	
Estimated Cement Top	500'	Fluid Level
Time Well Ready	0730	
Time Logger on Bottom	0835	
Equipment Number	49	
Location	Ft. Morgan	
Recorded By	Clint Christensen	
Witnessed By	Mike Koch	

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	5.5"	17 lbs	0	7980'
Liner				

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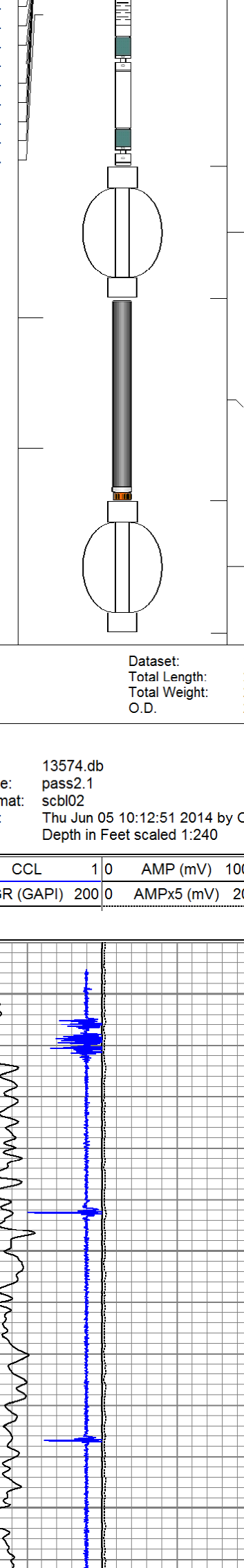
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

Thank You for using Pioneer Energy Services

Bayou Rig #14

SO#2-013574



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT #2 -A (1)	2.83	2.75	20.00
IntTemp	17.49				
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.24 13.24	RBT-Probe (5.5Casing) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		CENT-A (1)	2.83	2.75	20.00
CCL	6.75				
		GR-probe 2.75 (111205) proble Digital CCL Gamma	4.33	2.75	100.00
GR	3.96				
		CENT #5 -A (1)	2.83	2.75	20.00

Dataset: 13574.db: field/well/run1/pass2.1
Total Length: 21.74 ft
Total Weight: 250.00 lb
O.D. 2.75 in

Database File: 13574.db
Dataset Pathname: pass2.1
Presentation Format: scbl02
Dataset Creation: Thu Jun 05 10:12:51 2014 by Calc 0
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: 13574.db
Dataset Pathname: pass2.1
Dataset Creation: Thu Jun 05 10:12:51 2014 by Calc 0

Gamma Ray Calibration Report

Serial Number:	111205	
Tool Model:	probe 2.75	
Performed:	Sat May 03 17:02:46 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	5.5Casing	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	524.963	ft

Master Calibration, performed Mon Mar 10 15:37:35 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.013	0.666	0.000	71.921	71.988	-0.631
CAL	0.012	1.014				
5'	0.012	0.731	0.000	71.921	72.505	-0.707
SUM						
S1	0.004	0.658	0.000	100.000	113.485	-1.041
S2	0.012	0.639	0.000	100.000	106.966	-1.062
S3	0.013	0.628	0.000	100.000	99.382	-0.958
S4	0.013	0.636	0.000	100.000	91.750	-0.942
S5	0.013	0.650	0.000	100.000	93.804	-0.944
S6	0.013	0.660	0.000	100.000	105.672	-1.093
S7	0.013	0.670	0.000	100.000	122.486	-1.240
S8	0.012	0.654	0.000	100.000	123.805	-1.229

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.012	1.014	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000