PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company	WIEPKING-FULLERTON ENERGY, LLC
Well	RPATOR #7
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

Company WIEPKING-FULLERTON ENERGY, LLC
Well RAPTOR #7
Field GREAT PLAINS
County LINCOLN State COLORADO

Location 1980' FSL & 1980' FEL
NW SE
SEC 18 TWP 10S RGE 55W

Other Services

			Elevation
Permanent Datum	GROUND LEVEL	Elevation 5206	K.B. 5219
Log Measured From	KELLY BUSHING 13' AGL		D.F. 5218
Drilling Measured From	KELLY BUSHING		G.L. 5206

Date	8-6-2013	
Run Number	ONE	
Depth Driller	8050	
Depth Logger	7316	
Bottom Logged Interval	7312	4650
Top Log Interval	5700	3000
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	6010	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-8	
Location	CHEYENNE WELLS, CO.	
Recorded By	HENDERSON	
Witnessed By	BUBBA HALDE	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	309				
TWO	7 7/8"	309	8050				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	309
Prot. String				
Production String	5 1/2"	17#	0	7348
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

Database File: raptor7.db
Dataset Pathname: pass5
Presentation Format: scbl02
Dataset Creation: Tue Aug 06 07:25:07 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

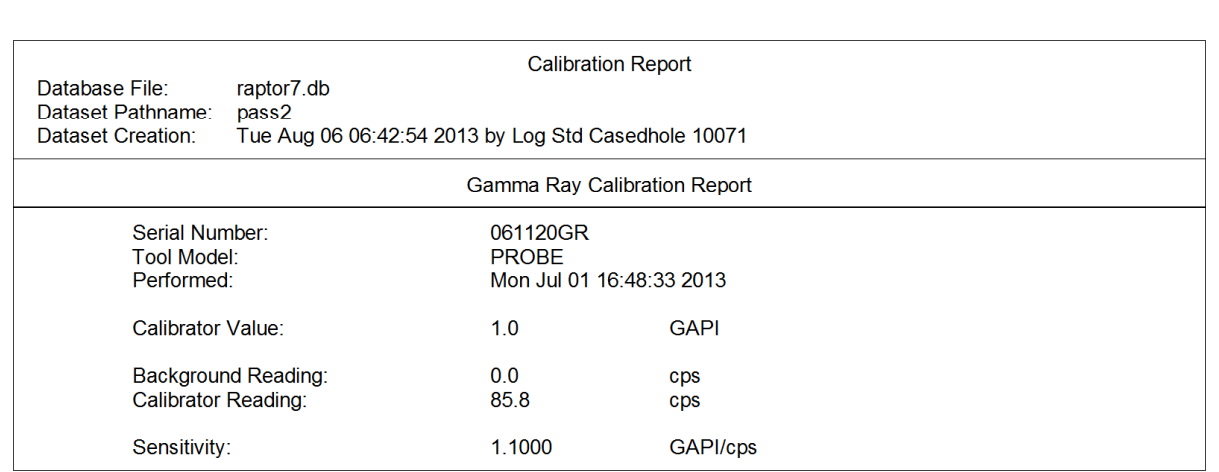
Database File: raptor7.db
Dataset Pathname: pass3.1
Presentation Format: scbl02
Dataset Creation: Tue Aug 06 08:01:05 2013
Charted by: Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

Database File: raptor7.db
Dataset Pathname: pass2
Presentation Format: scbl02
Dataset Creation: Tue Aug 06 06:42:54 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				



800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

Calibration Report

Database File: raptor7.db
Dataset Pathname: pass2
Dataset Creation: Tue Aug 06 06:42:54 2013 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Mon Jul 01 16:48:33 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	85.8	cps
Sensitivity:	1.1000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	904.350	ft

Master Calibration, performed Tue Aug 06 06:24:33 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	1.301	0.250	71.921	55.685	-0.552
CAL	1.638	1.633				
5'	0.017	1.238	0.250	71.921	58.676	-0.734
SUM						
S1	0.013	1.243	0.250	100.000	81.057	-0.784
S2	0.014	1.251	0.250	100.000	80.652	-0.875
S3	0.015	1.311	0.250	100.000	76.979	-0.900
S4	0.014	1.357	0.250	100.000	74.278	-0.819
S5	0.015	1.373	0.250	100.000	73.448	-0.816
S6	0.014	1.365	0.250	100.000	73.854	-0.776
S7	0.014	1.346	0.250	100.000	74.879	-0.761
S8	0.014	1.303	0.250	100.000	77.391	-0.813

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	1.638	1.633	1.000	0.000

Air Zero Calibration, performed Tue Aug 06 06:14:40 2013:

	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