Company: Kerr McGee
Well: Barnes Frank A Unit #1
Field: Wattenberg
County: Weld
State: Colorado

Cement Bond Log

Run No: One
Pass No: Main
Date: 22-Jul-13
Time: 10:00
Max Rec Temp: 135 DegF
Equip No: 3126
Location: Sec 26 Twp 3N Rge 66W
Elevations: KB 4,914 DF GL 4,903
Permanent Datum: Ground Level
Log Measured From: KB 11 Ft Above Perm Datum
Drilling Measured From: KB

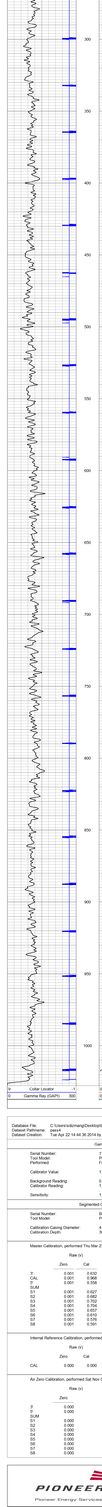
Comments

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT	11.71		RBT Probe (Base)	8.92	2.75	90.00
WVFCAL	11.71		Probe Real-Time Tool with Digital Telemetry			
WVF12	11.71					
WVF23	11.71					
WVF33	11.71					
WVF54	11.71					
WVF55	11.71					
WVF56	11.71					
WVF57	11.71					
WVF58	11.71					
WVFSFT	16.63					
			PTS275	2.83	2.75	
CCL	3.83					
GR	2.39		GR_CCL-Probe (111211)	4.54	2.75	100.00
			Probe Gamma CCL			

Dataset: barnesfrankaunit1.db: fieldwellrun1pass4
Total Length: 19.13 ft
Total Weight: 210.00 lb
O.D: 2.75 in

Database File: c:\users\kclimang\desktop\barnesfrankaunit1.db
Dataset Pathname: pass4
Dataset Creation: Tue Apr 22 17:27:53 2014 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

	Collar Locator		AMP AMPLITUDE (mV)	VDL
0		+1	0 10,200	1200
0	Gamma Ray (GAPI)	300	0 AMPLITUDE (mV) 100	



Calibration Report

Database File: C:\users\kclimang\Desktop\barnesfrankaunit1.db
Dataset Pathname: pass4
Dataset Creation: Tue Apr 22 14:44:36 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	111211
Tool Model:	Probe
Performed:	Fri Nov 08 12:08:35 2013
Calibrator Value:	1 0 GAPI
Background Reading:	0 0 cps
Calibrator Reading:	1 0 cps
Sensitivity:	1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	Base
Tool Model:	Probe
Calibration Casing Diameter:	4.500 in
Calibration Depth:	3006.850 m

Master Calibration, performed Thu Mar 27 16:20:17 2014

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
T	0.001	0.632	0.000	81.196	125.459	1.850
CAL	0.001	0.632				
A	0.001	0.788	2.500	81.196	142.278	1.812
SUM						
S1	0.001	0.637	0.000	95.000	151.603	-0.204
S2	0.001	0.682	0.000	95.000	139.384	-0.177
S3	0.001	0.702	0.000	95.000	135.518	-0.183
S4	0.001	0.717	0.000	95.000	132.824	-0.178
S5	0.001	0.657	0.000	95.000	144.604	-0.195
S6	0.001	0.610	0.000	95.000	156.179	-0.204
S7	0.001	0.590	0.000	95.000	161.140	-0.207
S8	0.001	0.591	0.000	95.000	161.140	-0.201

Internal Reference Calibration, performed Wed Aug 21 11:58:58 2013

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.968	1.000	0.000

Air Zero Calibration, performed Sat Nov 09 07:23:33 2013

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Gain	Offset
T	0.000		0.000			0.000
A	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

PIONEER
Pioneer Energy Services

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