Comments

THANK YOU FOR USING PIONEER ENERGY SERVICES.

CORRECTED TO PIONEER'S CEMENT BOND, V.D.L.
GAMMA RAY, C.C.L. LOG DATED 4-5-14.

S.O.# 2-200123

Database File dutcher_ncy_unit#2.db
Dataset Pathname pass1
Presentation Format sclt02
Dataset Creation Wed Apr 09 14:13:53 2014 by Log 7.0 B1
Charted by Depth in Feet scaled 1:240

CCL 0 GR (GAPI) 200.0 AMP (mV) 100.0 AMPAVG 150 200 VDL 1200.1 SECTOR MAP 0
7.75 7.75 TTSFT 0 AMPMIN (mV) 20.0 AMPMAX 150 90
360 (usec) 260 0 AMPMIN 150

6300 6400 6500 6600 6700 6800 6900 7000 7100 7150

Casing Collar Located
Gamma Ray
AMP
TTSFT
AMPAVG
AMPMAX
AMPMIN
VDL
SECTOR MAP

CCL 0 GR (GAPI) 200.0 AMP (mV) 100.0 AMPAVG 150 200 VDL 1200.1 SECTOR MAP 0
7.75 7.75 TTSFT 0 AMPMIN (mV) 20.0 AMPMAX 150 90
360 (usec) 260 0 AMPMIN 150

Calibration Report

Database File hcbbe.db
Dataset Pathname pass5
Dataset Creation Wed Apr 09 13:56:47 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number	130658
Tool Model	GR/CCL/TEMP
Performed	Wed Dec 11 15:55:10 2013
Calibrator Value	1.0 GAPI
Background Reading	0.0 n/a
Calibrator Reading	1.0 n/a
Sensitivity	1.0000 GAPI/n/a

Temperature Calibration Report

Serial Number	130658		
Tool Model	GR/CCL/TEMP		
Performed	Wed Dec 11 15:55:10 2013		
	Reference	Reading	
Low Reference	100.00 degF	6509.60degF	
High Reference	350.00 degF	27300.78degF	
Gain	0.01		
Offset	21.91		
Delta Spacing	1		

Segmented Current Bond Log Calibration Report

Serial Number	Base
Tool Model	Probe
Calibration Casing Diameter	4.500 in
Calibration Depth	4496.575 ft

Master Calibration, performed Wed Apr 09 13:56:56 2014

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3"	0.013	1.879	1.400	81.196	42.774	0.824
CAL	0.013	0.393				
5"	0.013	1.540	1.400	81.196	51.560	0.720
3" REM						
S1	0.014	1.781	0.000	93.000	52.611	-0.716
S2	0.014	1.676	0.000	93.000	49.941	-0.690
S3	0.013	1.603	0.000	93.000	49.044	-0.656
S4	0.014	1.567	0.000	93.000	49.118	-0.673
S5	0.014	1.807	0.000	93.000	51.510	-0.712
S6	0.014	1.819	0.000	93.000	51.510	-0.712
S7	0.013	1.743	0.000	93.000	53.759	-0.715
S8	0.014	1.785	0.000	93.000	53.097	-0.719

Internal Reference Calibration, performed Wed Aug 21 11:08:36 2013

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	0.350	1.000	0.000

Air Zero Calibration, performed Mon Dec 09 05:56:41 2013

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3"	0.000		0.000		0.000	
5"	0.000		0.000		0.000	
3" REM						
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	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PT6275	2.83	2.75	
WXFSFT	11.96					
WXFCAL	11.96			6.92	2.75	90.00
WXFS1	11.95		RBT-Probe (Base) Probe Rack Board Tool with Digital Telemetry			
WXFS2	11.95					
WXFS3	11.95					
WXFS4	11.95					
WXFS5	11.96					
WXFS6	11.96					
WXFS7	11.95					
WXFS8	11.96					
WXFSFT	10.78					
			PT6275	2.83	2.75	
CCL	3.64					
TEMP	3.14					
GR	2.30		GCT-GR/CCL/TEMP (130658) Probe GCT	4.69	2.75	100.00

Dataset: dutcher_ncy_unit#2.db: fieldshortrun1pass1
Total Length: 15.27 ft
Total Weight: 190.00 lb
O.D. 2.75 in