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Pioneer Energy Services

CEMENT BOND
GAMMA RAY
CCL LOG

Company	ANADARKO
Well	PREMIUM TURKEY FARMS B1
Field	WATTENBERG
County	WELD
State	COLORADO

Company ANADARKO
Well PREMIUM TURKEY FARMS B1
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-07853
Other Services

SEC 22 TWP 2N RGE 67W

Permanent Datum G.L. Elevation 4989'
Log Measured From K.B. 10' A.G.L.
Drilling Measured From K.B.

Elevation
K.B. 4999'
D.F. 4998'
G.L. 4989'

Date	25-SEPT-2014
Run Number	ONE
Depth Driller	8180'
Depth Logger	4700'
Bottom Logged Interval	4680'
Top Log Interval	SURFACE
Open Hole Size	N/A
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	3930'
Time Well Ready	9:30
Time Logger on Bottom	10:00
Equipment Number	41
Location	FORT MORGAN
Recorded By	HARPER
Witnessed By	

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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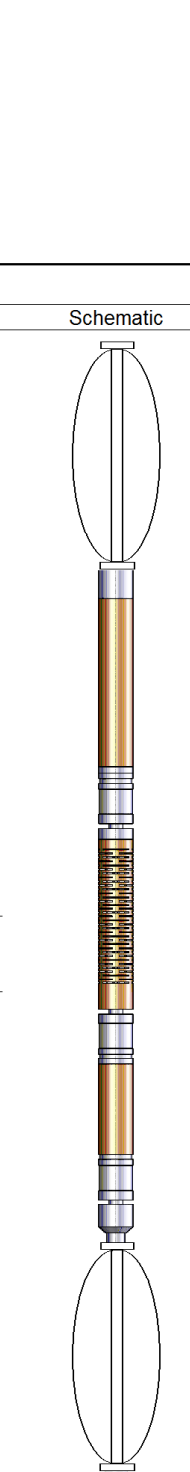
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3 WVF5	11.58 10.58		CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.75	2.75	60.00
			SDSCENT Centralizer for testing	3.00	3.25	20.00
CCL TEMP GR	3.84 3.14 2.30		GR-probe 2.75 (51013) PROBE_GCT	4.33	2.75	100.00

Dataset: anadarko premium turkey farms b1cbl.db: field/well/run1/pass6
Total Length: 19.08 ft
Total Weight: 200.00 lb
O.D. 3.25 in

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MAIN PASS 0 PSI

Database File: anadarko premium turkey farms b1cbl.db
Dataset Pathname: pass6
Presentation Format: cbl_dr
Dataset Creation: Thu Sep 25 10:04:52 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	LTEN	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	

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MAIN PASS 0 PSI

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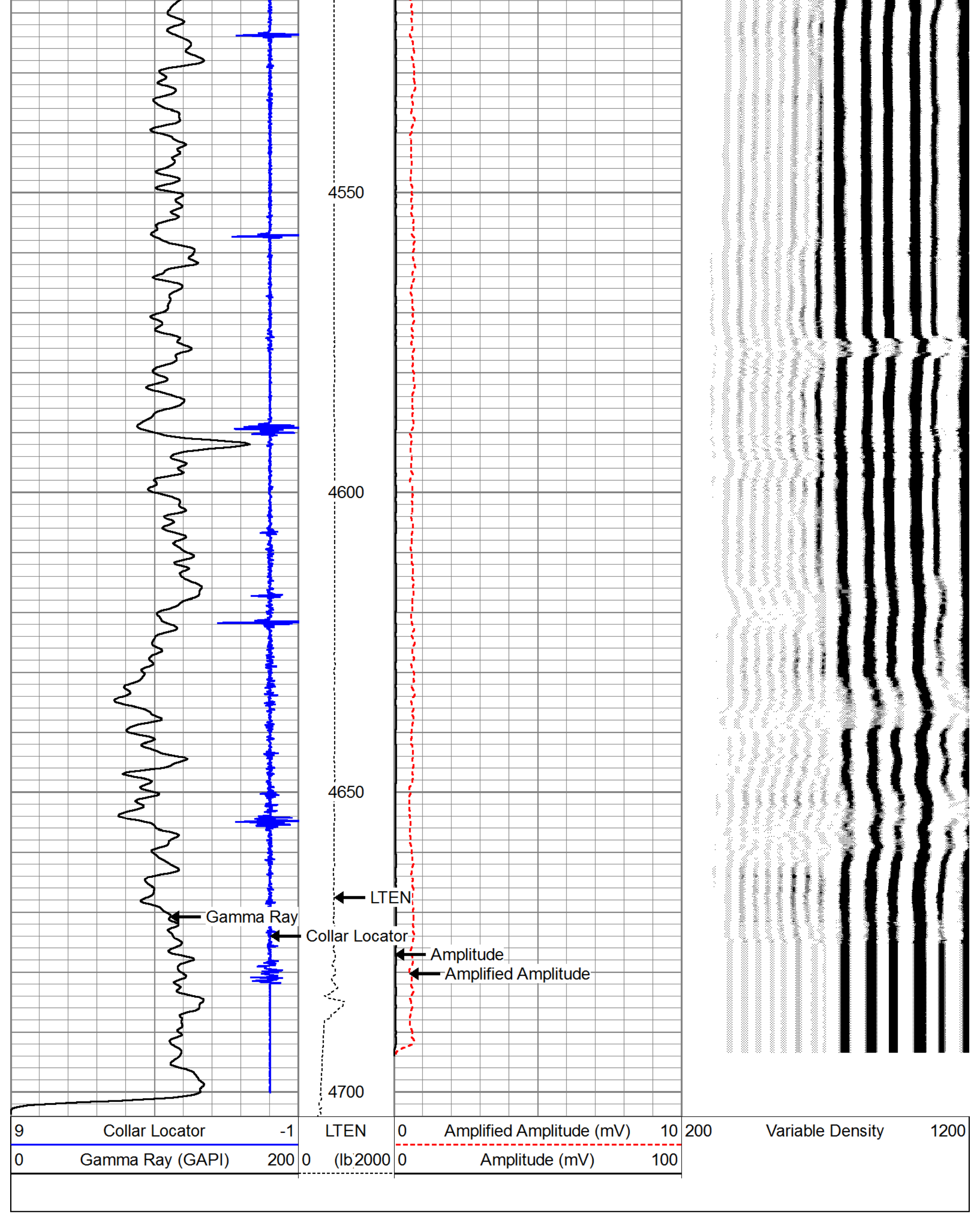
REPEAT PASS 0 PSI

Database File: anadarko premium turkey farms b1cbl.db
Dataset Pathname: pass3
Presentation Format: cbl_dr
Dataset Creation: Thu Sep 25 09:41:55 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	LTEN	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	



9 Collar Locator -1	LTEN	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	

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REPEAT PASS 0 PSI

Calibration Report

Database File: anadarko premium turkey farms b1cbl.db
Dataset Pathname: pass6
Dataset Creation: Thu Sep 25 10:04:52 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	51013	
Tool Model:	probe 2.75	
Performed:	Thu Feb 23 11:03:07 2012	
Calibrator Value:	1400.0	GAPI
Background Reading:	26.8	cps
Calibrator Reading:	1120.0	cps
Sensitivity:	0.9000	GAPI/cps

Temperature Calibration Report

Serial Number: 51013
Tool Model: probe 2.75
Performed: Sun Jun 13 13:33:21 1993

	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

Gain: 1.00
Offset: 0.00
Delta Spacing: 1

Cement Bond Log Calibration Report

Serial Number:	050215	
Tool Model:	Probe	
Performed:	Thu Sep 25 09:28:43 2014	
Depth:	223.2	ft
Casing Diameter:	4.5	in

	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	83	83	mV
Reading at Signal Zero:	0.0125244	0.0127686	V
Reading in Free Pipe:	1.12441	1.37048	V
Gain:	39.748	61.1321	
Offset:	0.0763454	-0.780569	