V.D.L. C.C.L. GAMMA RAY CEMENT BOND LOG

PIONEER
Pioneer Energy Services

Company	BAYSWATER EXPLORATION & PROD. LLC		
Well	BOOTH 29-23		
Field	WATTENBERG		
County	WELD		
State	COLORADO	Country USA	

Company BAYSWATER EXPLORATION & PROD. LLC
Well BOOTH 29-23
Field WATTENBERG
County WELD
State COLORADO Country USA

Location: API #: 05123359540000
SHL: 401' FNL & 2340' FWL NENW
BHL: 77' FNL & 1350' FWL NENW
SEC 23 TWP 7N RGE 65W

Other Services: PERF

Permanent Datum	GL	Elevation 4897'	Elevation
Log Measured From	KB		K.B. 4913'
Drilling Measured From	KB		D.F. 4912'
			G.L. 4897'

Date	DECEMBER 5, 2012
Run Number	ONE
Depth Driller	7523'
Depth Logger	7466'
Bottom Logged Interval	7454'
Top Log Interval	N/A
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	N/A
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	ONE
Location	FORT MORGAN
Recorded By	RANDY AZEVEDO
Witnessed By	RICK OHLEMEIER

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	4.5"	11.6 LB	SURFACE	7523'
Production String				
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

LOG CORRILATED TO PIONEER OPEN HOLE LOG DATED NOV. 4, 2012
SO # 2-203342
THANK YOU FOR USING PIONEER ENERGY SERVICES
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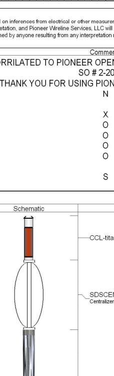
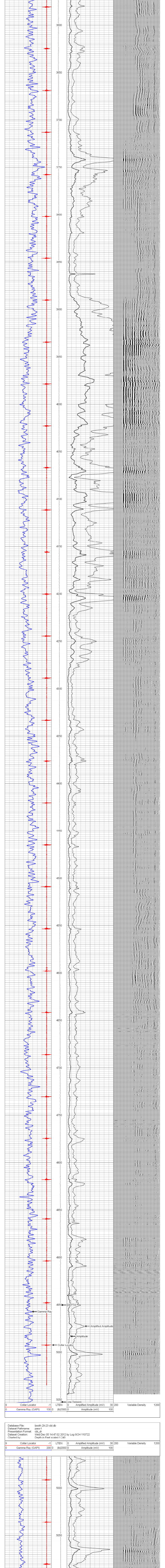


Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31	CCL-titan01 (01t)	1.92	2.75	
		SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3	10.92	CBL-Probe (050215) 2.75 digital probe	8.75	2.75	106.50
WVF5	9.92				
		SDSCENT Centralizer for testing	3.00	3.25	20.00
		GR-probe 2.75 (51013)	3.67	2.75	100.00
GR	1.13				

Dataset: booth 29-23 cbl.db: field/well/run1/pass5
Total Length: 20.33 ft
Total Weight: 246.50 lb
O.D.: 3.25 in

Database File: booth 29-23 cbl.db
Dataset Pathname: pass5
Presentation Format: cbl_dr
Dataset Creation: Wed Dec 05 15:23:17 2012 by Log SCH 110722
Charted by: Depth in Feet scaled 1:240

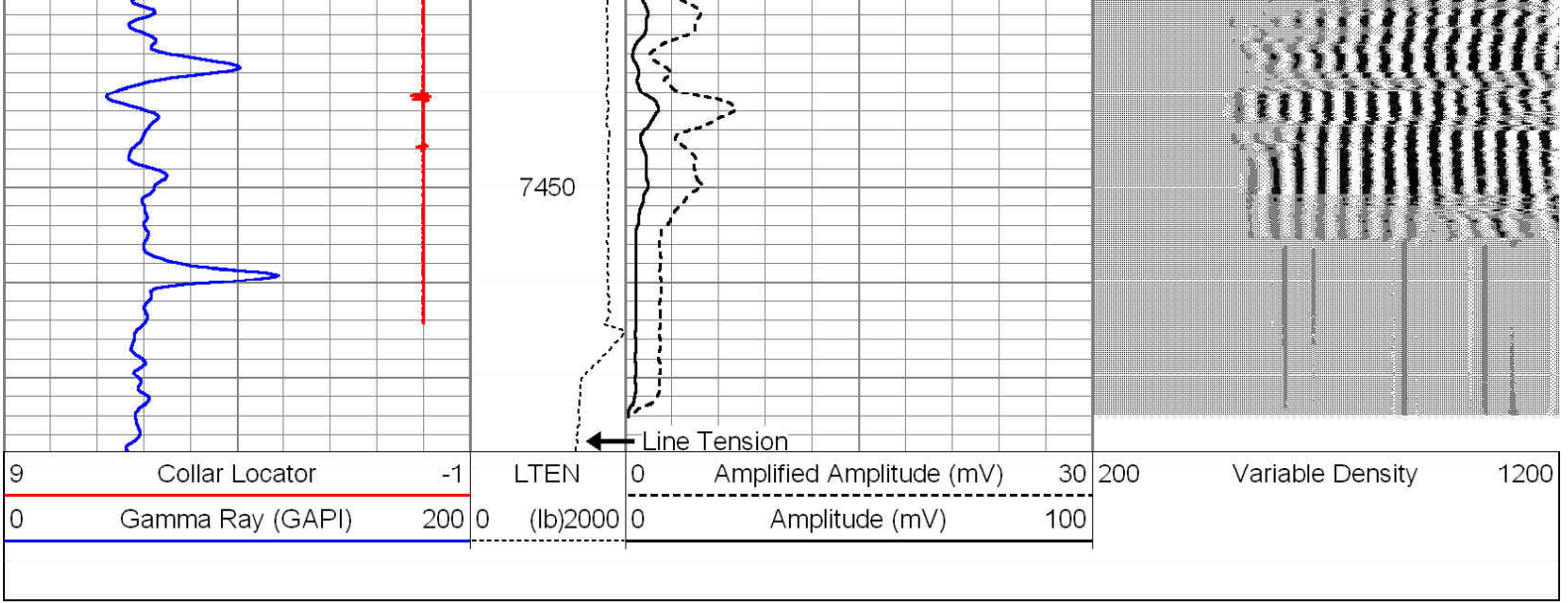
9 Collar Locator -1	LTEN	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 Gamma Ray (GAPI) 130	0 (lb)2000	0 Amplitude (mV) 100	



Collar Locator	LTEN	Amplified Amplitude (mV)	Variable Density
9 … -1		0 … 30	200 … 1200
Gamma Ray (GAPI) 0 … 130	0 (lb)2000	Amplitude (mV) 0 … 100	

Database File: booth 29-23 cbl.db
Dataset Pathname: pass4
Presentation Format: cbl_dr
Dataset Creation: Wed Dec 05 14:47:02 2012 by Log SCH 110722
Charted by: Depth in Feet scaled 1:240

Collar Locator	LTEN	Amplified Amplitude (mV)	Variable Density
9 … -1		0 … 30	200 … 1200
Gamma Ray (GAPI) 0 … 200	0 (lb)2000	Amplitude (mV) 0 … 100	


7450
Line Tension
9 Collar Locator -1
0 Gamma Ray (GAPI) 200
LTEN
0 (lb)2000
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200