PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray-CCL-VDL

Company	BAYSWATER EXPLORATION
Well	BROWN 11-8
Field	SPINDLE
County	ADAMS
State	Colorado

Company BAYSWATER EXPLORATION
Well BROWN 11-8
Field SPINDLE
County ADAMS State Colorado

Location: API #: 05-001-09738-0000
SHL: 1105' FSL & 1655' FWL SE SW
BHL: 2090' FSL & 1835' FWL NESW
SEC 8 TWP 1S RGE 67W

Other Services: PERF

Permanent Datum	Ground Level	Elevation 5173'	Elevation K.B. 5185' D.F. 5184' G.L. 5173'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		

Date	April 25, 2012
Run Number	#1
Depth Driller	8355'
Depth Logger	8299'
Bottom Logged Interval	8287'
Top Log Interval	600'
Open Hole Size	7.875"
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	#54
Location	Fort Morgan
Recorded By	Josh Horton
Witnessed By	Pat Martin

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	11.6#		8355'
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

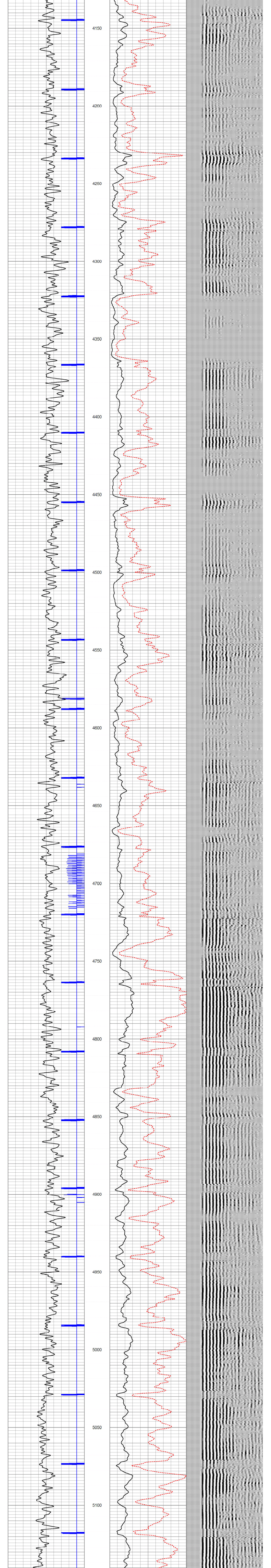
Thank you For Using Phoenix Surveys!!
So # 2-202877

Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
CHD	21.25	STNDRD Standard Cable Head	1.00	1.69	1.00
CENT	20.25	SDSCENT Centralizer	2.88	2.75	20.00
WVF3	12.65	CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.92	2.75	60.00
WVF5	11.65				
CENT	8.46	SDSCENT Centralizer	2.88	2.75	20.00
CCL	4.56	CCL-titan01 (TITLOG)	1.92	2.75	
GR	1.13	GR-probe 2.75 (51013)	3.67	2.75	100.00

Dataset: bw_brown_11-8.db: field/well/run1/pass3
Total Length: 21.25 ft
Total Weight: 201.00 lb
O.D. 2.75 in

Database File: bw_brown_11-8.db
Dataset Pathname: pass3
Presentation Format: cbl_dr
Dataset Creation: Wed Apr 25 12:41:01 2012 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

9 CCL -1	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 GR (GAPI) 200	0 Amplitude (mV) 100	



9	CCL	-1	0	Amplified Amplitude (mV)	30	200 Variable Density 1200
0	GR (GAPI)	200	0	Amplitude (mV)	100	

Database File: bw_brown_11-8.db
Dataset Pathname: pass2
Presentation Format: cbl_dr
Dataset Creation: Wed Apr 25 11:57:10 2012 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

9	CCL	-1	0	Amplified Amplitude (mV)	30	200 Variable Density 1200
0	GR (GAPI)	200	0	Amplitude (mV)	100	

7750
7850
7900
7950
8000
8050
8150
8200
8250
DEPTH
CCL
Gamma Ray
Amplitude
Amplified Amplitude
Variable Density
9 CCL -1
0 GR (GAPI) 200
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200