PSI
PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray - CCL - VDL

Company Encana Oil & Gas (USA) Inc.
Well Melbon Ranch 4-8-17
Field Wattenberg
County Weld State Colorado

Location: API #: 05-123-30235-0000
SW SE
Lat: 40.13201 / Long: -104.68788
SEC 17 TWP 2N RGE 65W

Other Services
MAST

Permanent Datum Ground Level Elevation 4917
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 4929
D.F. 4928
G.L. 4917

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Field Wattenberg
County Weld
State Colorado

Date	5-Mar-2010
Run Number	1
Depth Driller	7873
Depth Logger	7804
Bottom Logged Interval	7803
Top Log Interval	3350
Open Hole Size	7.875"
Type Fluid	Water
Density / Viscosity	8.34
Max. Recorded Temp.	231
Estimated Cement Top	3750
Time Well Ready	08:00
Time Logger on Bottom	08:50
Equipment Number	#54
Location	Ft. Morgan, CO
Recorded By	Sam Hopper
Witnessed By	Tom Flynn

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	Surface	7873
Liner				

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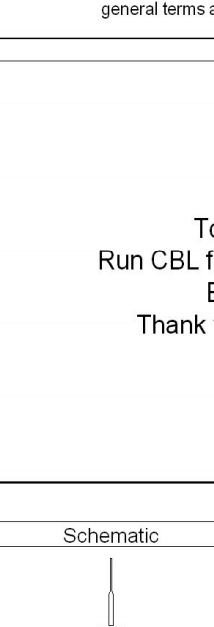
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

First run in hole.
Tools ran as per tool sketch.
Run CBL from TD to 400' above Cement Top.
Est. Cement Top @ 3750'
Thank you for using Phoenix Surveys!!



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	1.00
CCL	19.06	CCL-titan01 (01t)	1.92	2.75	
		SDSCENT Centralizer	2.88	2.75	20.00
WVF3 WVF5	10.79 9.79	CBL-Probe (050215)	8.75	2.75	93.00
		SDSCENT Centralizer	2.88	2.75	20.00
GR	1.13	GR-probe 2.75 (51013)	3.67	2.75	100.00

Dataset: encana_melbon_ranch_4-8-17.db: field/well/run1/pass1
Total Length: 21.08 ft
Total Weight: 234.00 lb
O.D. 2.75 in

Database File: encana_melbon_ranch_4-8-17.db
Dataset Pathname: pass1
Presentation Format: cbl_dr
Dataset Creation: Fri Mar 05 08:49:40 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

324	Travel Time (usec)	225	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
9	CCL	-1	0	Amplitude (mV)	100			
0	GR (GAPI)	250						

6900
Flag Joint
7000
7100
7200
7300
7400
7500
7600
7700
Casing Collar
Gamma Ray
Travel Time
Amplitude
Amplified Amplitude
7800
Total Depth @ 7804'
324 Travel Time (usec) 225
9 CCL -1
0 GR (GAPI) 250
0 Amplified Amplitude (mV) 20
0 Amplitude (mV) 100
200 Variable Density 1200