PSI
PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray - CCL

Company EnCana Oil & Gas (USA) Inc.
Well Voake 31-25
Field Wattenberg
County Boulder
State Colorado

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Location: API # : 05-013-06580-0000
895' FNL & 1991' FEL
NW NE
SEC 25 TWP 2N RGE 69W

Other Services
MAST
PERF

Permanent Datum Ground Level Elevation 5007
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 5020
D.F. 5020
G.L. 5007

Date	24-Feb-2010
Run Number	1
Depth Driller	8104
Depth Logger	8053
Bottom Logged Interval	8052
Top Log Interval	3090
Open Hole Size	7.875"
Type Fluid	Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	232
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
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		
Liner				

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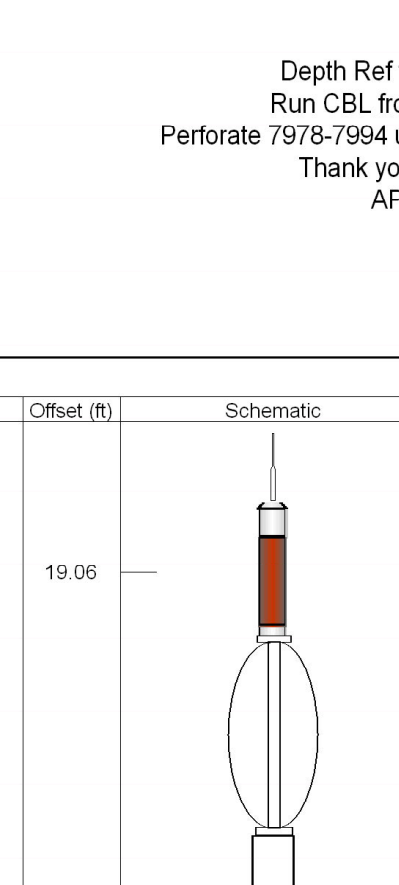
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Depth Ref to PSI Tripple Combo OH Logs
Run CBL from TD to 400' above cement top
Perforate 7978-7994 using Titan 19gm, 0.40"EHD, 40.89"PENE
Thank you for using Phoenix Surveys!!
API# 05-013-06580-0000

Sensor	Offset (ft)	Schematic	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: enc_voake_31-25.db: field/well/run1/pass7
Total Length: 21.08 ft
Total Weight: 234.00 lb
O.D. 2.75 in

Database File: enc_voake_31-25.db
Dataset Pathname: pass7
Presentation Format: cbl_dr
Dataset Creation: Wed Feb 24 11:50:29 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						

6600
6700
6800
6900
7000
7100
Flag Joint
7200
7300
7400
7500
7600
7700
7800
7900
Casing Collar
Gamma Ray
Travel Time
8000
Amplified Amplitude
Amplitude
Total Depth @ 8053'
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