PIONEER
Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company	EnCana Oil & Gas (USA) Inc.
Well	Newnam 2H-32H-C264
Field	Wattenberg
County	Weld
State	Colorado

Location: API # : 05-123-39772
SHL: 308' FNL 1617' FWL NENW
SEC 32 TWP 2N RGE 64W

Country USA

Other Services
None

Permanent Datum	GL	Elevation	4954
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4967
D.F. 4966
G.L. 4954

Company	EnCana Oil & Gas (USA) Inc.			
Well	Newnam 2H-32H-C264			
Field	Wattenberg			
County	Weld			
State	Colorado			Country USA

Date	January 7, 2015
Run Number	1
Depth Driller	11332
Depth Logger	7090
Bottom Logged Interval	7090
Top Log Interval	0
Open Hole Size	8-3/4"
Type Fluid	WBM
Density / Viscosity	10.8 / 42
Max. Recorded Temp.	NA
Estimated Cement Top	730
Time Well Ready	2200
Time Logger on Bottom	2315
Equipment Number	48
Location	Ft. Morgan, CO
Recorded By	Clint Christensen
Witnessed By	Kirby Burchett

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	7"	26 lbs	0	7417'
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

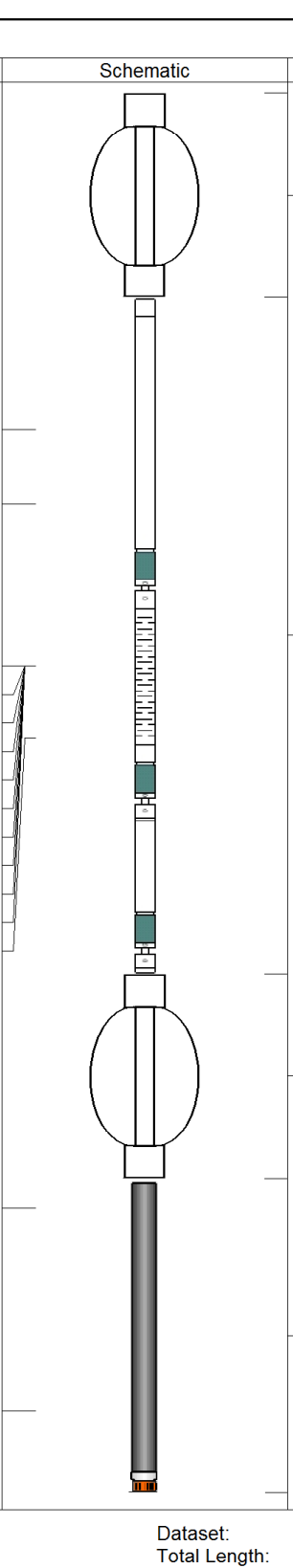
RBL logged Under 0 PSI

Logged Correlated to 7" Tally

Ensign Drilling Rig #124

Thank You for Choosing Pioneer Energy Services.

SO#2-013837



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT #2 -A (1)	2.83	2.75	20.00
IntTemp	14.66				
TEMP	13.64				
		RBT-RBT-C3 (11206) Probe Radii Bond Tool with Digital Telemetry	9.33	2.75	90.00
WVF3FT	11.41				
WVFCAL	11.41				
WVFS1	11.41				
WVFS2	11.41				
WVFS3	11.41				
WVFS4	11.41				
WVFS5	11.41				
WVFS6	11.41				
WVFS7	11.41				
WVFS8	11.41				
WVF5FT	10.41				
		CENT-A (1)	2.83	2.75	20.00
CCL	3.92				
		GR-probe 2.75 (111205) proble Digital CCL Gamma	4.33	2.75	100.00
GR	1.13				

Dataset: 13837.db: field/well/run1/Final
Total Length: 19.32 ft
Total Weight: 230.00 lb
O.D. 2.75 in

Database File: 13837.db
Dataset Pathname: Final
Presentation Format: scbl02
Dataset Creation: Thu Jan 08 00:25:32 2015
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File:	13837.db
Dataset Pathname:	Final
Dataset Creation:	Thu Jan 08 00:25:32 2015

Gamma Ray Calibration Report

Serial Number:	111205	
Tool Model:	probe 2.75	
Performed:	Mon Jun 09 17:25:42 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	11206	
Tool Model:	RBT-C3	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	309.394	ft

Master Calibration, performed Thu Jan 08 00:23:10 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.083	0.000	62.165	57.427	-0.000
CAL	0.012	0.874				
5'	0.010	1.049	0.000	62.165	59.782	-0.570
SUM						
S1	0.000	1.158	0.000	100.000	86.325	-0.001
S2	0.000	1.210	0.000	100.000	82.673	-0.001
S3	0.000	1.264	0.000	100.000	79.146	-0.000
S4	0.000	1.131	0.000	100.000	88.389	-0.000
S5	0.000	1.109	0.000	100.000	90.165	-0.001
S6	0.000	1.079	0.000	100.000	92.684	-0.001
S7	0.000	1.074	0.000	100.000	93.084	-0.000
S8	-0.003	1.075	0.000	100.000	92.782	0.235

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.012	1.011	0.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number:	11206	
Tool Model:	RBT-C3	
Performed:	Wed Jun 11 03:38:10 2014	

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

Gain:	0.30
Offset:	12.00
Delta Spacing	1