NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	SAMUEL J 7-15
Field	WATTENBERG
County	WELD
State	COLORADO

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Location: API #: 0512325605

SHL: 1881' FSL & 1422' FEL NW/SE
BHL: 570' FSL & 2066' FEL SW/SE

SEC 7 TWP 5N RGE 66W

Other Services

Permanent Datum	GL	Elevation 4810	Elevation
Log Measured From	KB		K.B. 4826
Drilling Measured From	KB		D.F. 4825
			G.L. 4810

Date	FEBRUARY 27, 2015
Run Number	ONE
Depth Driller	8210
Depth Logger	3000
Bottom Logged Interval	3000
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	54
Time Well Ready	LEED RIG
Time Logger on Bottom	2-3/4 PROBE
Equipment Number	4838
Location	45
Recorded By	GREG NOLAN
Witnessed By	TYSON HAMACHER

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8	24#	SURFACE	551
Prot. String				
Production String	4-1/2	11.6#	SURFACE	8179
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 CHOOSING NCPS!!!!
LOG NOT CORRELATED
83RD AVE AND 20TH ST. N.4, W INTO
SECOND WELL FROM THE WEST OF A 4 WELL PAD

Database File: cbl noble samuel j7-15.db
Dataset Pathname: pass2
Presentation Format: noble en
Dataset Creation: Fri Feb 27 08:12:46 2015 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: cbl noble samuel j7-15.db
Dataset Pathname: pass2
Dataset Creation: Fri Feb 27 08:12:46 2015 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Fri Feb 27 08:10:26 2015

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.5200			GAPI/cps
PRIMARY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: 110802
Tool Model: Probe275Digital
Performed: Fri Feb 27 08:12:40 2015

Depth: 3031.98 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.7	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.00532227	-0.00539551	V
Reading in Free Pipe:	2.49849	2.34658	V
Gain:	32.1495	34.5225	
Offset:	0.871108	0.186266	