NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	LITTLE WILL 2-25
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.
Well LITTLE WILL 2-25
Field WATTENBERG
County WELD State COLORADO
Location: API #: 0512311419
NW/SE
SEC 25 TWP 6N RGE 65W
Other Services

Permanent Datum
Log Measured From
Drilling Measured From
Elevation

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

Date	AUGUST 1, 2014
Run Number	ONE
Depth Driller	
Depth Logger	6407
Bottom Logged Interval	6050-6400
Top Log Interval	SURFACE-1000
Casing Size	4.5
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	SURFACE
Time Well Ready	ENSIGN RIG
Time Logger On Bottom	
Unit Number	4838
Tool Size / ID Number	2-3/4 PROBE
Location	45
Recorded By	GREG NOLAN
Witnessed By	CHRIS HOHNSTEIN

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	4-1/2			
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
WCR 49 & WCR 64, W.5, N.2, E INTO

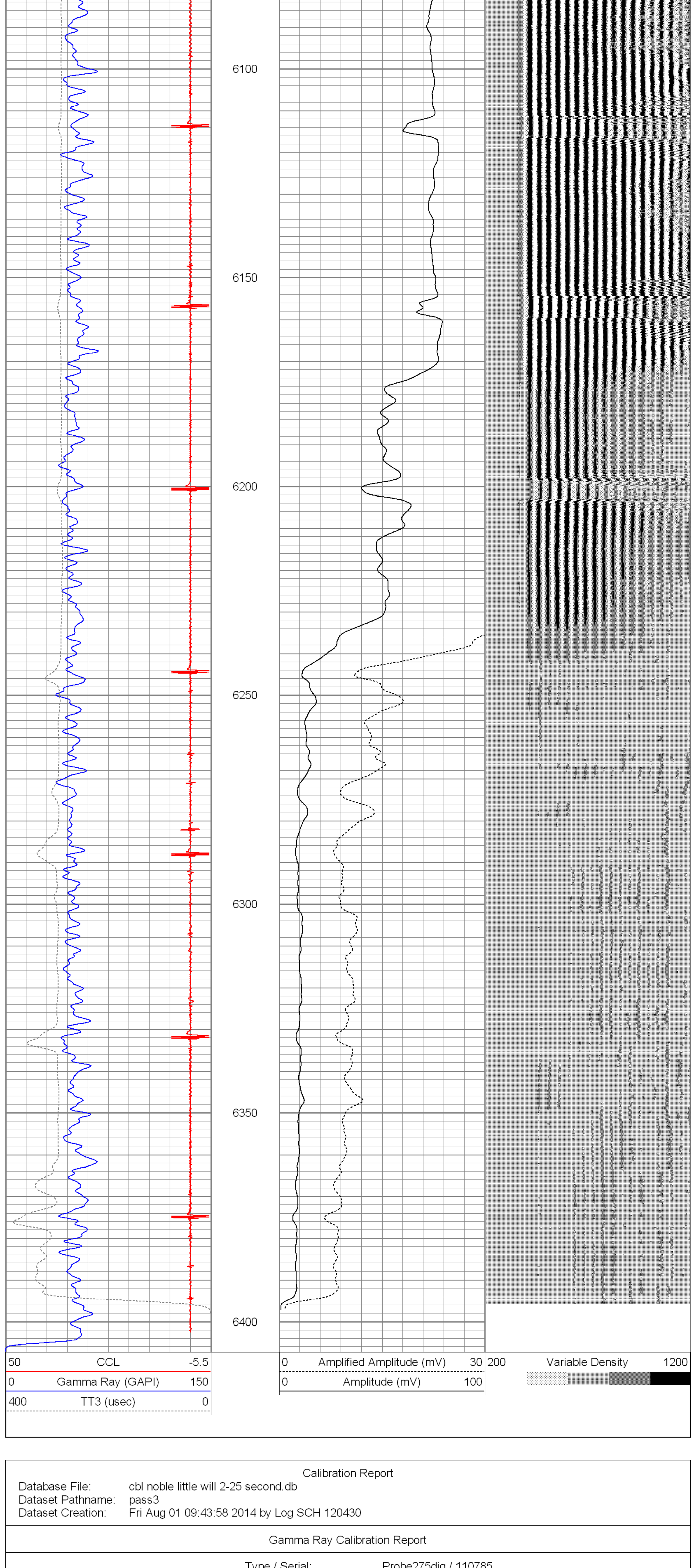
Database File: cbl noble little will 2-25 second.db
Dataset Pathname: pass5
Presentation Format: noble en
Dataset Creation: Fri Aug 01 10:00:39 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

50	CCL	-5.5	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100			
400	TT3 (usec)	0						

50	CCL	-5.5	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100			
400	TT3 (usec)	0						

Database File: cbl noble little will 2-25 second.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Fri Aug 01 09:43:58 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

50	CCL	-5.5	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100			
400	TT3 (usec)	0						



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0	Gamma Ray (GAPI)	150	0	Amplitude (mV)	100			
400	TT3 (usec)	0						

Calibration Report

Database File: cbl noble little will 2-25 second.db
Dataset Pathname: pass3
Dataset Creation: Fri Aug 01 09:43:58 2014 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

	Counts/Sec.	Gain	Offset	Jig	Units
SHOP CALIBRATION	Fri Nov 08 09:38:30 2013				
Background	0.0				cps
Calibrator	1.0				cps
		0.4400			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 Aug 01 09:25:17 2014

Depth: 972.592 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:	-0.00588379	-0.00595703	V
Reading in Free Pipe:	2.48792	2.32939	V
Gain:	32.2785	34.7683	
Offset:	0.88992	0.207116	