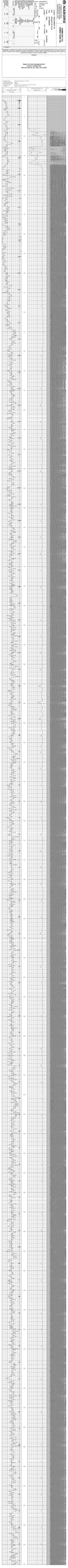

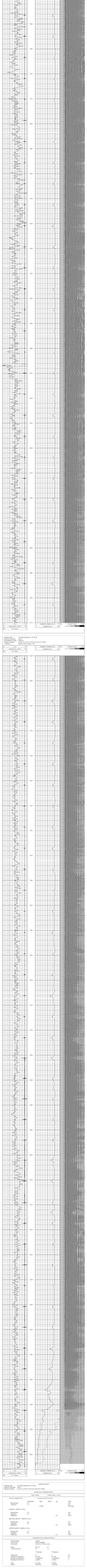

NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL CEMENT BOND VDL

Company NOBLE ENERGY INC.
Well DECHANT USX X01-06
Field WATTENBERG
County WELD
State COLORADO

Company	NOBLE ENERGY INC.		
Well	DECHANT USX X01-06		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API #: 0512309840		Other Services
SEC	TWP	RGE	
Permanent Datum	GL	Elevation 4848	Elevation K.B. 4848 D.F. G.L. 4835
Log Measured From	KB		
Drilling Measured From	KB		

Date	APRIL 12, 2013
Run Number	ONE
Depth Driller	7725
Depth Logger	6630
Bottom Logged Interval	6630
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	225°F
Estimated Cement Top	SURFACE
Time Well Ready	ENSIGN RIG
Time Logger on Bottom	2-3/4 PROBE 110803
Equipment Number	4838
Location	45
Recorded By	GREG NOLAN
Witnessed By	PETE BURNS

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#	13	576
Prot. String				
Production String	4-1/2	11.6#	13	7716
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 30, S2.7, NW.2, W.5, N INTO

Database File: cbl noble dechant usx 01-06.db
Dataset Pathname: pass4
Presentation Format: noble en
Dataset Creation: Fri Apr 12 16:14:43 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Database File: cbl noble dechant usx 01-06.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Fri Apr 12 16:03:23 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: cbl noble dechant usx 01-06.db
Dataset Pathname: pass3
Dataset Creation: Fri Apr 12 16:03:23 2013 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Fri Dec 28 08:52:15 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6500			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 Apr 12 15:48:20 2013

Depth: 976.217 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:	-0.00581055	-0.00585938	V
Reading in Free Pipe:	2.49878	2.38193	V
Gain:	32.1394	34.0047	
Offset:	0.886748	0.199246	