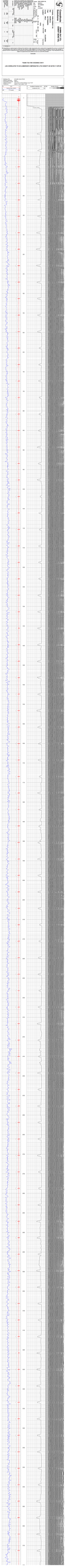

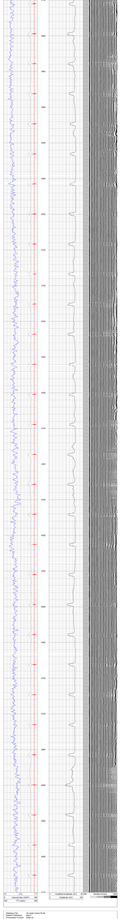

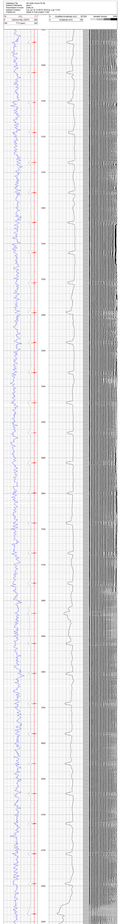

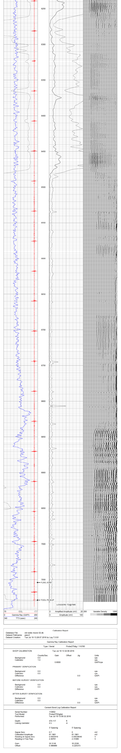

Casedhole Solutions

GAMMA RAY CCL CEMENT BOND VDL

Company NOBLE ENERGY INC.
Well MOORE 02
Field WATTENBERG
County WELD
State COLORADO

Company NOBLE ENERGY INC.
Well MOORE 02
Field WATTENBERG
County WELD State COLORADO

Location: API #: 0512312392
SW/NE
SEC 13 TWP 6N RGE 66W

Other Services

Permanent Datum GL Elevation 4762
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4773
D.F.
G.L. 4762

Date	JULY 19, 2016
Run Number	ONE
Depth Driller	7270
Depth Logger	7085
Bottom Logged Interval	7085
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	241°F
Estimated Cement Top	6220
Time Well Ready	BAYOU RIG
Time Logger on Bottom	2-3/4 PROBE
Equipment Number	922338
Location	45
Recorded By	GREG NOLAN
Witnessed By	JAKE EICHER

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#	11	307
Prot. String				
Production String	4-1/2	11.6#	11	7270
Liner				

<<< Fold Here >>>

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 CHS!!!!

LOG CORRELATED TO SCHLUMBERGER COMPENSATED LITHO DENSITY GR DATED 17 APR 85

Database File: cbl noble moore 02.db
Dataset Pathname: pass4
Presentation Format: noble en
Dataset Creation: Tue Jul 19 13:45:25 2016 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

Database File: cbl noble moore 02.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Tue Jul 19 13:28:07 2016 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: cbl noble moore 02.db
Dataset Pathname: pass3
Dataset Creation: Tue Jul 19 13:28:07 2016 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Tue Jul 19 13:32:08 2016

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6000			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: Tue Jul 19 13:09:32 2016

Depth: 474.117 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:	0.0065918	0.00639648	V
Reading in Free Pipe:	2.49761	2.31089	V
Gain:	32.3146	35.2338	
Offset:	0.486989	-0.225373	