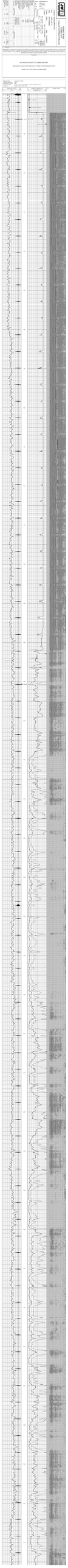

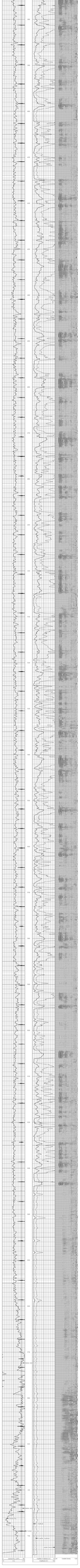

J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	NOBLE ENERGY INC.
Well	USED G02-21
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.

Well USED G02-21

Field WATTENBERG

County WELD State COLORADO

Location: API # : 05-123-25519-0000

SHL: 2248' FSL & 1884' FEL_NWSE

BHL: 2565' FEL & 2505' FNL_SWNE

SEC 2 TWP 4N RGE 65W

Other Services

PULSED

NEUTRON

NEUTRON

Permanent Datum	GROUND LEVEL	Elevation 4678	Elevation
Log Measured From	KELLY BUSHING		K.B. 4691
Drilling Measured From	KELLY BUSHING		D.F. 4691
			G.L. 4678

Date	30-SEP-2008
Run Number	ONE
Depth Driller	7249
Depth Logger	7147
Bottom Logged Interval	7142
Top Log Interval	SURFACE
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	242 F
Estimated Cement Top	1418
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	473/CR-30/GREEN
Location	BRIGHTON, CO.
Recorded By	CURT ERICKSON
Witnessed By	MR. ARMSTRONG

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	550 - DRILLER
Prot. String				
Production String	4 1/2	11.6#	SURFACE	7249
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

NO OPEN HOLE DATA TO CORRELATE WITH

WELLHEAD ELEVATIONS AND DATA TAKEN FROM DRILLING PROG

THANK YOU FOR USING J-W WIRELINE!!

Database File: used g02-21 cbl.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Tue Sep 30 07:35:03 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
Marker Joint
6800
6900
7000
Marker Joint
Gamma Ray
3' Amplitude
Casing Collar Locator
7100
Amplified Amplitude
Variable Density
0 Gamma Ray (GAPI) 180
10 CCL -1.75
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200