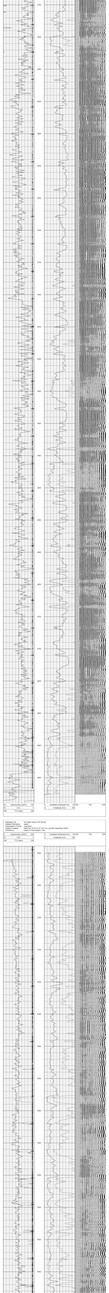

SUPERIOR WELL SERVICES

GAMMA RAY CCL
CEMENT BOND VDL

Company NOBLE ENERGY INC.
Well BOOTH N25-32D
Field WATTENBERG
County WELD State COLORADO

Location: API #: 0512331660
SHL: 2161' FSL & 206' FEL NESE
SEC. 26 TWP. 5N RGE. 67W
BHL:2459' FNL & 112' FWL SWNW
SEC 25 TWP 5N RGE 67W

Other Services

Permanent Datum GL Elevation 4949
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4955
D.F. 4954
G.L. 4949

Company	NOBLE ENERGY INC.
Well	BOOTH N25-32D
Field	WATTENBERG
County	WELD
State	COLORADO

Date	FEBRUARY 16, 2011
Run Number	ONE
Depth Driller	7722
Depth Logger	7648
Bottom Logged Interval	7647
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	241 DEG. F
Estimated Cement Top	780
Time Well Ready	LEED RIG
Time Logger on Bottom	1-11/16 GO TOOL
Equipment Number	3342
Location	45
Recorded By	GREG NOLAN
Witnessed By	SCOTT 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	16	726
Prot. String				
Production String	4-1/2	11.6	16.1	7711.6
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 SUPERIOR WELL SERVICES!!!!!
LOG CORRELATED TO PSI OPEN HOLE LOG DATED FEBRUARY 2, 2011
LOG RAN UNDER 1000 PSI
DV TOOL @ 1948

Database File: cbl noble bootyh n25-32d.db
Dataset Pathname: pass3
Presentation Format: nuexbond
Dataset Creation: Wed Feb 16 09:57:16 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

Database File: cbl noble bootyh n25-32d.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Wed Feb 16 09:24:37 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File:	cbl noble bootyh n25-32d.db
Dataset Pathname:	pass2
Dataset Creation:	Wed Feb 16 09:24:37 2011 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Serial Number:	tit/temp	
Tool Model:	temp/tit	
Performed:	Tue Sep 21 09:37:35 2010	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

CBL Calibration Report

Serial Number:	111	
Tool Model:	TekCo_GOI	
Performed:	Wed Feb 16 09:07:04 2011	
Depth:	810.525	ft
Casing Diameter:	4.500	in

	3' Spacing	5' Spacing	
Signal Zero:	0.800	0.800	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.008	0.008	V
Reading in Free Pipe:	2.488	2.499	V
Gain:	32.423	32.281	
Offset:	0.536	0.534	