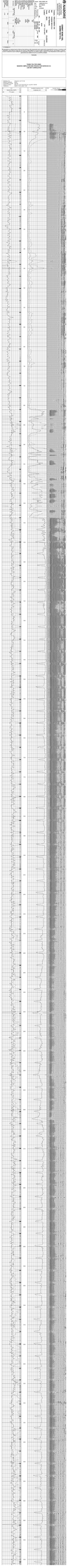

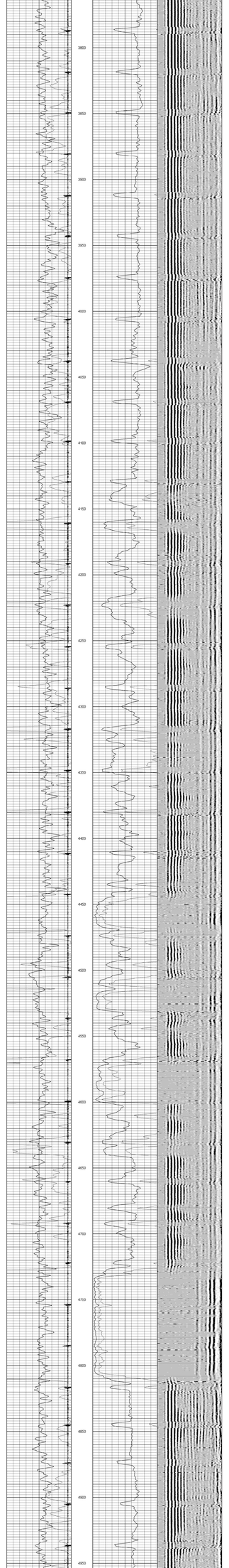

NABORS
COMPLETION & PRODUCTION SERVICES CO.

CEMENT BOND /VDL GAMMA RAY/CCL

Company	NOBLE ENERGY, INC
Well	CANNON RED W 15-3
Field	WATTENBURG
County	WELD
State	COLORADO

Company NOBLE ENERGY, INC
Well CANNON RED W 15-3
Field WATTENBURG
County WELD State COLORADO
API #: 05-123-16510
Location: NE/NW
SEC TWP 2N RGE 66W
Other Services

Permanent Datum	GROUND LEVEL	Elevation	4982
Log Measured From	KELLY BUSHING, 11'		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 4993
D.F.
G.L. 4982

Date	6-12-13
Run Number	ONE
Depth Driller	
Depth Logger	
Bottom Logged Interval	5000'
Top Log Interval	SURFACE
Casing Size	2 7/8"
Type Fluid	WATER
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	4367
Tool Size / ID Number	1 11/16 TEKCO
Location	FT LUPTON
Recorded By	BRACKELSBERG
Witnessed By	MR.BURNS

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	2 7/8"			
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 USING
NABORS COMPLETION AND PRODUCTION SERVICES CO.
LOG NOT CORROLATED

Database File:	cblcannon red 15-3.db
Dataset Pathname:	pass6
Presentation Format:	nuexcbl
Dataset Creation:	Wed Jun 12 07:46:39 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File:	cblcannon red 15-3.db
Dataset Pathname:	pass6
Dataset Creation:	Wed Jun 12 07:46:39 2013 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	1-11/16T	
Tool Model:	T1-11/16	
Performed:	Thu Apr 18 07:54:09 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	TEKCO-01		
Tool Model:	TEKCO-1x2		
Performed:	Wed Jun 12 07:32:22 2013		
Depth:	1275.95	ft	
Casing Diameter:	2.875	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	93.157	106.451	mV
Reading at Signal Zero:	-0.0119141	-0.0118652	V
Reading in Free Pipe:	2.46519	2.5	V
Gain:	37.2439	42.3793	
Offset:	1.34373	0.50284	