Company	NOBLE ENERGY INC.
Well	CAMP H30-29D
Field	WATTENBERG
County	WELD
State	COLORADO

GAMMA RAY CCL
CEMENT BOND VDL

Company NOBLE ENERGY INC.

Well CAMP H30-29D

Field WATTENBERG

County WELD State COLORADO

Location: API #: 0512331414

SHL: 1669' FSL & 969' FWL NWSW

BHL: 131' FSL & 1322' FWL SWSW

SEC 19 TWP 3N RGE 65W

Permanent Datum	GL	Elevation 4990
Log Measured From	KB	
Drilling Measured From	KB	

Elevation

K.B. 5005

D.F. 5004

G.L. 4990

Other Services

Date	APRIL 7, 2011
Run Number	ONE
Depth Driller	8315
Depth Logger	8229
Bottom Logged Interval	5000-8228
Top Log Interval	2992-5000
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	258 DEG. F
Estimated Cement Top	3212
Time Well Ready	CRANE
Time Logger on Bottom	1-11/16 GO TOOL
Equipment Number	3342
Location	45
Recorded By	GREG NOLAN
Witnessed By	CASEY RUPPEL

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	15	725
Prot. String				
Production String	4-1/2	11.6	15.2	8305
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 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 COMP. DENSITY/NEUTRON MICROLOG DATED MARCH 19, 2011
2ND WELL FROM THE EAST OF A 4 WELL PAD
WCR 32 & WCR 37, S.6, SE INTO

Database File:	cbl noble camp h30-29d.db
Dataset Pathname:	pass4
Presentation Format:	nuexbond
Dataset Creation:	Thu Apr 07 15:18:15 2011 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

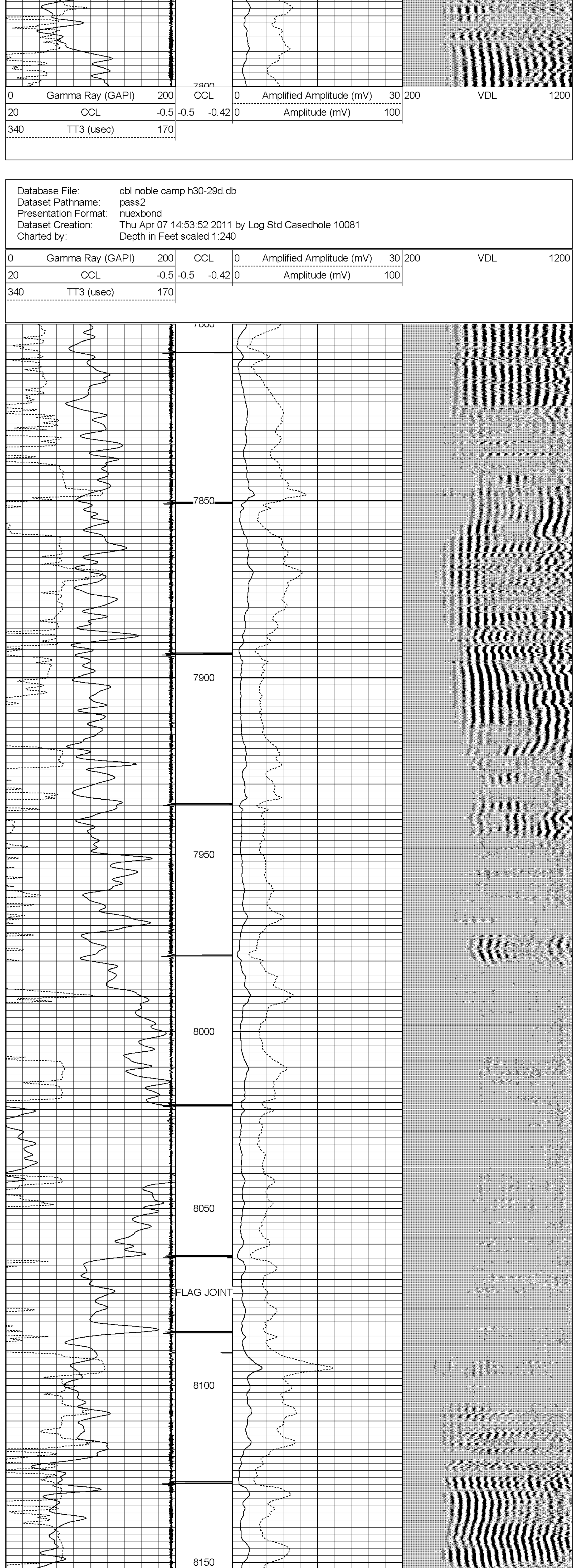
30 Gamma Ray (GAPI) 130 | CCL | 0 Amplified Amplitude (mV) 30 | 200 VDL 1200
20 CCL -0.5 | -0.5 -0.42 | 0 Amplitude (mV) 100
340 TT3 (usec) 170

30 Gamma Ray (GAPI) 130 | CCL | 0 Amplified Amplitude (mV) 30 | 200 VDL 1200
20 CCL -0.5 | -0.5 -0.42 | 0 Amplitude (mV) 100
340 TT3 (usec) 170

Database File:	cbl noble camp h30-29d.db
Dataset Pathname:	pass3
Presentation Format:	nuexbond
Dataset Creation:	Thu Apr 07 14:57:53 2011 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200 | CCL | 0 Amplified Amplitude (mV) 30 | 200 VDL 1200
20 CCL -0.5 | -0.5 -0.42 | 0 Amplitude (mV) 100
340 TT3 (usec) 170

Database File: cbl noble camp h30-29d.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Thu Apr 07 14:53:52 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: cbl noble camp h30-29d.db
Dataset Pathname: pass2
Dataset Creation: Thu Apr 07 14:53:52 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:	Thu Apr 07 14:33:18 2011		
Depth:	339.033	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.200	1.200	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.008	0.008	V
Reading in Free Pipe:	2.489	2.499	V
Gain:	32.248	32.116	
Offset:	0.943	0.945	