Company	NOBLE ENERGY INC.
Well	MARLEY C01-31D
Field	WATTENBERG
County	WELD
State	COLORADO

SUPERIOR WELL SERVICES

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.		
Well	MARLEY C01-31D		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API # : 0512331224 SHL: 534' FNL & 652' FWL NWNW		Other Services
	SEC 1 TWP 4N RGE 64W		
Permanent Datum	GL	Elevation 4607	Elevation K.B. 4622 D.F. 4621 G.L. 4607
Log Measured From	KB		
Drilling Measured From	KB		

Date	APRIL 25, 2011
Run Number	ONE
Depth Driller	7110
Depth Logger	7044
Bottom Logged Interval	5000-7043
Top Log Interval	1832-5000
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	240 DEG. F
Estimated Cement Top	2076
Time Well Ready	PORTABLE MAST
Time Logger on Bottom	1-11/16 GO TOOL
Equipment Number	3342
Location	45
Recorded By	GREG NOLAN
Witnessed By	MITCH TRIMBLE

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	602
Prot. String				
Production String	4-1/2	11.6	15	7100
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 SUPERIOR WELL SERVICES!!!!
LOG CORRELATED TO HALLIBURTON SPECTRAL DENSITY, DUAL SPACED NEUTRON,
ARRAY COMPENSATED TRUE RESISTIVITY LOG DATED 17-APR-11
WCR 50, & WCR 59, E.3, SE INTO
SOUTH WELL OF A 3 WELL PAD

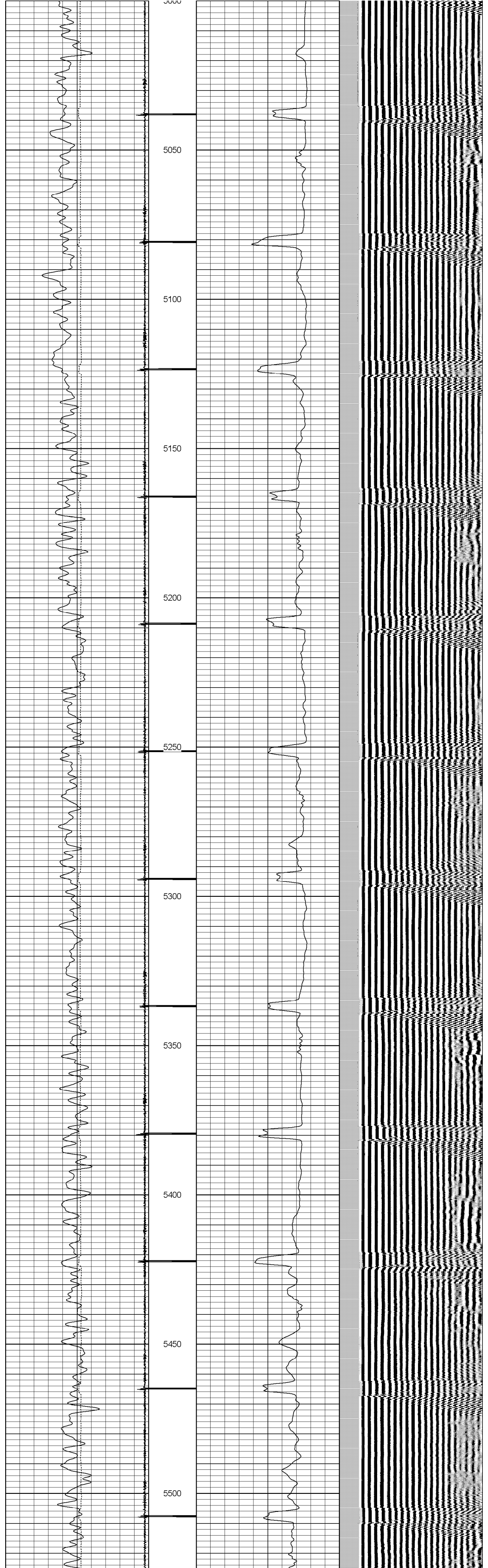
Database File: cbl noble marleyc 01-31d.db
Dataset Pathname: pass3.9
Presentation Format: nuexbond
Dataset Creation: Mon Apr 25 11:05:39 2011 by Calc Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

30 Gamma Ray (GAPI) 130	CCL	0 Amplified Amplitude (mV) 30	200 VDL 1200
20 CCL -0.5	-0.5 -0.45	0 Amplitude (mV) 100	
400 TT3 (usec) 100			

30 Gamma Ray (GAPI) 130	CCL	0 Amplified Amplitude (mV) 30	200 VDL 1200
20 CCL -0.5	-0.5 -0.45	0 Amplitude (mV) 100	
400 TT3 (usec) 100			

Database File: cbl noble marleyc 01-31d.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Mon Apr 25 10:10:17 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 -0.45	0 Amplitude (mV) 100	
400 TT3 (usec) 100			



Calibration Report

Database File: cbl noble marleyc 01-31d.db
Dataset Pathname: pass2
Dataset Creation: Mon Apr 25 10:10:17 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:	Mon Apr 25 09:43:32 2011		
Depth:	439.650	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	0.007	V
Reading in Free Pipe:	1.634	1.511	V
Gain:	49.448	53.486	
Offset:	0.420	0.400	