Company NOBLE ENERGY INC.
Well ARISTOCRAT PC H11-27D
Field WATTENBERG
County WELD
State COLORADO

SUPERIOR WELL SERVICES

GAMMA RAY CCL CEMENT BOND VDL

Company NOBLE ENERGY INC.
Well ARISTOCRAT PC H11-27D
Field WATTENBERG
County WELD State COLORADO

Location: API # : 0512332300
SHL: 457' FSL & 573' FEL SE SE SEC. 2
BHL: 69' FNL & 1350' FEL NW NE
SEC 11 TWP 3N RGE 65W

Other Services

Permanent Datum	GL	Elevation 4814	Elevation K.B. 4832 D.F. 4831 G.L. 4814
Log Measured From	KB		
Drilling Measured From	KB		

Date	MARCH 8, 2011
Run Number	ONE
Depth Driller	7370
Depth Logger	7260
Bottom Logged Interval	7259
Top Log Interval	1397
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	250 DEG. F
Estimated Cement Top	1679
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	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	13	697
Prot. String				
Production String	4-1/2	11.6	13	7355
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 PSI COMP. DENSITY/NEUTRON MICROLOG DATED MARCH 1, 2011
WCR 47 & WCR 34.5, N.5, W INTO

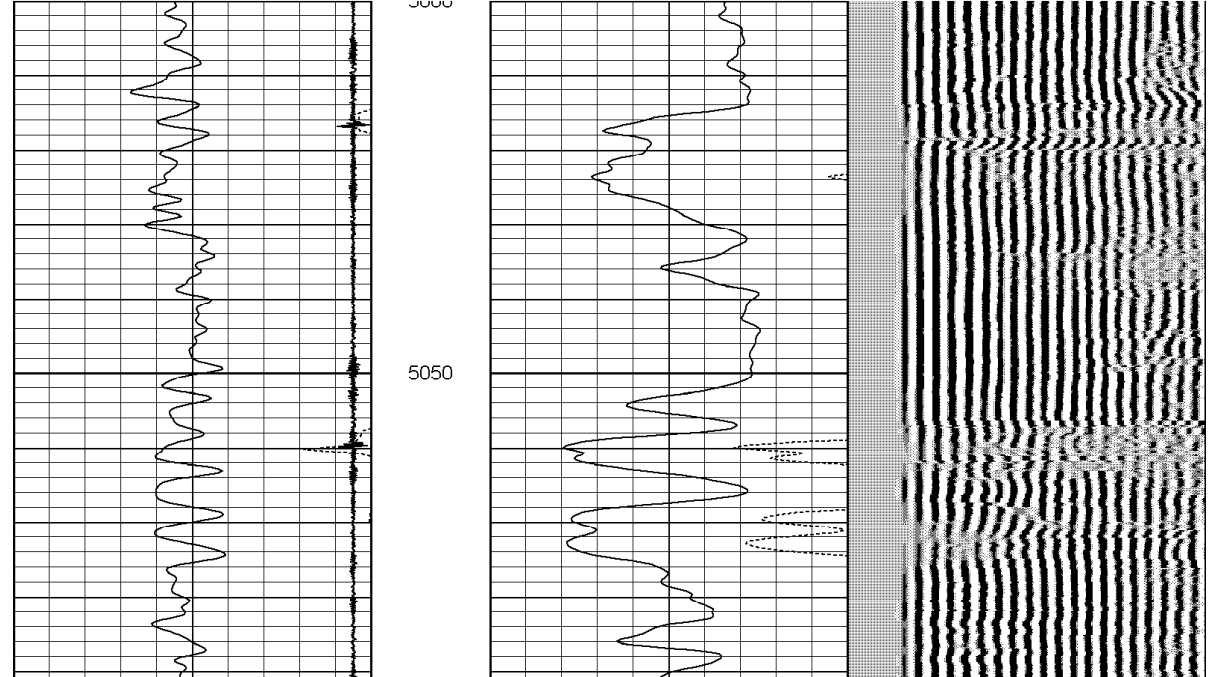
Database File:	cbl noble aristocrat pc h11-27d.db
Dataset Pathname:	pass5
Presentation Format:	nuexbond
Dataset Creation:	Tue Mar 08 07:57:40 2011 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

30	Gamma Ray (GAPI)	130	0	Amplified Amplitude (mV)	30	200	VDL	1200
20	CCL	-1	0	Amplitude (mV)	100			
340	TT3 (usec)	240						

30	Gamma Ray (GAPI)	130	0	Amplified Amplitude (mV)	30	200	VDL	1200
20	CCL	-1	0	Amplitude (mV)	100			
340	TT3 (usec)	240						

Database File:	cbl noble aristocrat pc h11-27d.db
Dataset Pathname:	pass4
Presentation Format:	nuexbond
Dataset Creation:	Tue Mar 08 07:41:21 2011 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30	200	VDL	1200
20	CCL	-1	0	Amplitude (mV)	100			
340	TT3 (usec)	240						



Calibration Report

Database File:	cbl noble aristocrat pc h11-27d.db
Dataset Pathname:	pass4
Dataset Creation:	Tue Mar 08 07:41:21 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:	Tue Mar 08 07:20:24 2011		
Depth:	99.233	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:	2.492	2.499	V
Gain:	32.367	32.280	
Offset:	0.535	0.535	