NABORS
COMPLETION & PRODUCTION SERVICES CO.

CEMENT BOND LOG GAMMA RAY C C L V D L

Company	Noble Energy Inc.
Well	MONFORT GILCREST K 08-16
Field	Wattenberg
County	Weld
State	Colorado

Company Noble Energy Inc.
Well MONFORT GILCREST K 08-16
Field Wattenberg
County Weld State Colorado
Location: API #: 051231129100
660' FSL 7 990' FEL
SE SE
SEC 8 TWP 4N RGE 66W
Other Services

Permanent Datum	GL	Elevation 4702	Elevation K.B. 4714 D.F. 4711 G.L. 4702
Log Measured From	KB		
Drilling Measured From	KB		

Date	February 23, 2010	
Run Number	One	
Depth Driller	7325	
Depth Logger	5430	
Bottom Logged Interval	5429	
Top Log Interval	2215	
Casing Size	4 1/2"	
Type Fluid	Water	
Max. Recorded Temp.	Not Recorded	
Estimated Cement Top	Not Recorded	
Time Well Ready	2780	
Time Logger On Bottom	AM	
Unit Number	AM	
Tool Size / ID Number	T5 (3344)	1 11/16" Tool 1 RED
Location	Platteville, CO	
Recorded By	K. Monaghan	
Witnessed By	C. 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"	-	Surface	462
Prot. String				
Production String	4 1/2"	11.6 lb/ft	Surface	TD
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!!!
API# 05-123-11291-00
Correlated to Superior Well Services Collar strip / Casing Cut
Directions: WCR 46 & 29, N 100', West 1/10 Into

Database File: cblmonfort gilcrest k 08-16.db
Dataset Pathname: pass2
Presentation Format: nuexcbl
Dataset Creation: Tue Feb 23 08:20:45 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

9	CCL	-0.5	0	Amplified Amplitude (mV)	30	200	V D L	1200
30	Gamma Ray (GAPI)	130	0	Amplitude (mV)	100			
340	TT3 (usec)	240						

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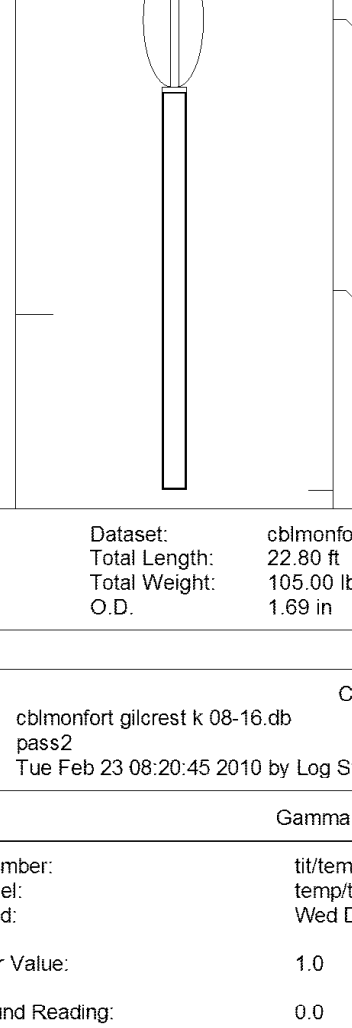
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-STNDRD (1) Standard Cable Head	1.00	1.69	5.00
CCL	21.05		CCL-T1-11/16 (1-11/16T) Titan 1-11/16 collar locator	1.83	1.69	20.00
			CENT-App2nd (1-11/16T) Another 1-11/16 Applied centralizer	2.17	1.69	10.00
			CBL-TEKCO-1x2 (TEKCO-01) TEKCO Cement Bond 1x2	9.68	1.69	40.00
WVF3	12.48					
WVF5	11.50					
			CENT-App2nd (1-11/16T) Another 1-11/16 Applied centralizer	2.17	1.69	10.00
GR	2.63		GR-temp/tit (tit/temp) Titan 1 11/16 Gamma Ray with temp probe	5.96	1.69	20.00

Dataset: cblmonfort gilcrest k 08-16.db: field/well/run1/pass2
Total Length: 22.80 ft
Total Weight: 105.00 lb
O.D. 1.69 in

Calibration Report

Database File: cblmonfort gilcrest k 08-16.db
Dataset Pathname: pass2
Dataset Creation: Tue Feb 23 08:20:45 2010 by Log Std Casedhole 09061

Gamma Ray Calibration Report

Serial Number:	tit/temp	
Tool Model:	temp/tit	
Performed:	Wed Dec 16 07:15:29 2009	
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:	Fri Feb 12 10:35:29 2010		
Depth:	141.925	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.9	0.9	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.0108643	-0.0106201	V
Reading in Free Pipe:	2.5	2.5	V
Gain:	31.9795	31.9826	
Offset:	1.24743	1.23966	