Company NOBLE ENERGY INC.
Well BURMAN C05-23D
Field WATTENBERG
County WELD
State COLORADO

SUPERIOR WELL SERVICES

SUPERIOR STERLING, CO.
UNIT # 3312

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.

Company NOBLE ENERGY INC.
Well BURMAN C05-23D
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05.123.34338
SHL: 1805' FSL & 988' FEL NESE
BHL: 1369' FSL & 1332' FEL NESE
SEC 5 TWP 4N RGE 64W

Other Services

Permanent Datum	GL	Elevation	4749
Log Measured From	KB ------------------14 '		
Drilling Measured From	KB		

Elevation
K.B. 4763
D.F. 4763
G.L. 4749

Date	11.14.2011		
Run Number	ONE		
Depth Driller	7628		
Depth Logger	7563		
Bottom Logged Interval	7563		
Top Log Interval	1270		
Open Hole Size	7-7/8"		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	257° F		
Estimated Cement Top	1656		
Time Well Ready	MAST		
Time Logger on Bottom	2-3/4NX#4		
Equipment Number	3312		
Location	STERLING		
Recorded By	LEROY HOBBS		
Witnessed By	S. ARMSTRONG		

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"	24.00 / J-55	SURFACE	704
Prot. String				
Production String	4-1/2"	11.60 / M-80	SURFACE	7618
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 SUPERIOR WELL SERVICES.
CORRECTED TO PSI MIRCO LOG DATED OCTOBER 22, 2011.

7 WELL PAD X=BURMAN C05-23D
NORTH
WEST O O X O O O O EAST
SOUTH

Database File: burmanc05-23d.db
Dataset Pathname: pass6
Presentation Format: cbl_drs
Dataset Creation: Mon Nov 14 15:11:22 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200 0.5 CCL 1 0 AMP AMPLITUDE (mV) 30 200 VDL 1200
30 Collar Locator -0.006 0 AMPLITUDE (mV) 100
30 Gamma Ray (GAPI) 130

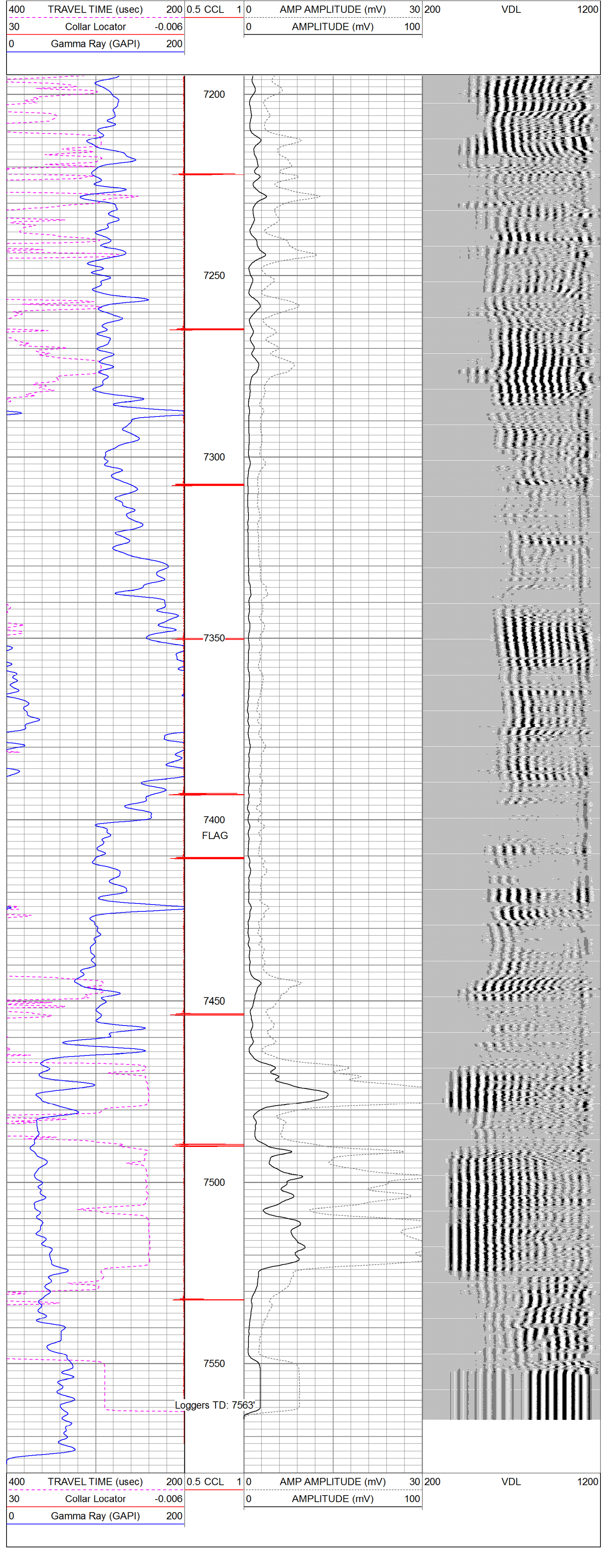
Database File: burnmanc05-23d.db
Dataset Pathname: pass4
Presentation Format: cbl_drs
Dataset Creation: Mon Nov 14 14:47:48 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200 0.5 CCL 1 0 AMP AMPLITUDE (mV) 30 200 VDL 1200
30 Collar Locator -0.006 0 AMPLITUDE (mV) 100
0 Gamma Ray (GAPI) 200

400 TRAVEL TIME (usec) 200 0.5 CCL 1 0 AMP AMPLITUDE (mV) 30 200 VDL 1200
30 Collar Locator -0.006 0 AMPLITUDE (mV) 100
0 Gamma Ray (GAPI) 200

Database File: burnmanc05-23d.db
Dataset Pathname: pass3
Presentation Format: cbl_drs
Dataset Creation: Mon Nov 14 14:42:12 2011 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200 0.5 CCL 1 0 AMP AMPLITUDE (mV) 30 200 VDL 1200
30 Collar Locator -0.006 0 AMPLITUDE (mV) 100
0 Gamma Ray (GAPI) 200



400 TRAVEL TIME (usec) 200 0.5 CCL 1 0 AMP AMPLITUDE (mV) 30 200 VDL 1200
30 Collar Locator -0.006 0 AMPLITUDE (mV) 100
0 Gamma Ray (GAPI) 200