J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company NOBLE ENERGY INC.
Well WELLS RANCH USX AA 27-08
Field WATTENBERG
County WELD
State COLORADO

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Location: API #: 05-123-27178-00
1995' FNL & 655' FEL
SE NE
SEC. 27 TWP. 6N RGE. 63W

Other Services
PERF

SEC TWP RGE

Permanent Datum GROUND LEVEL Elevation 4818
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4830
D.F. 4829
G.L. 4818

Date	06-DECEMBER-2008
Run Number	ONE
Depth Driller	7021
Depth Logger	6993
Bottom Logged Interval	6986
Top Log Interval	2250
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	235
Estimated Cement Top	2350
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/RED
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. JERRY BEDDO

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 #	SURFACE	569
Prot. String				
Production String	4.5	11.6 #	SURFACE	7011
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.

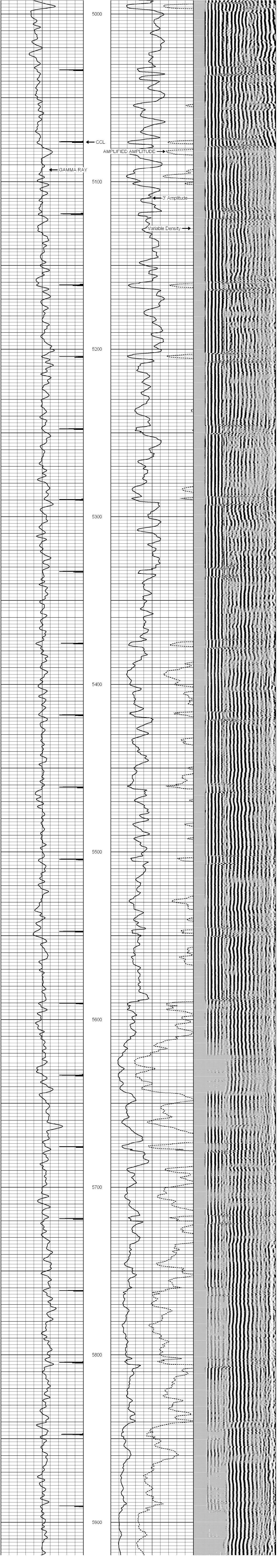
Comments

LOG CORRELATED TO CD/CN/ML LOG
DATED 05-NOVEMBER-2008

LOG SPLIT FOR CORRELATION PURPOSES

Database File: wells ranch usx aa 27-8.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Sat Dec 06 11:07:31 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

Database File: wells ranch usx aa 27-8.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Sat Dec 06 10:31:18 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240



6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
GAMMA RAY
CCL
Variable Density
3' Amplitude
AMPLIFIED AMPLITUDE
0 GAMMA RAY (GAPI) 200
-8 CCL -1
0 AMPLITUDE (mV) 100
0 AMPLIFIED AMPLITUDE (mV) 30
200 Variable Density 1200