SUPERIOR WELL SERVICES

SUPERIOR STERLING, CO. UNIT # 3312

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

Company	NOBLE ENERGY INC.
Well	BOULTER PC G11-33D
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.
Well BOULTER PC G11-33D
Field WATTENBERG
County WELD State COLORADO
Location: API #: 05.123.33611
SHL: 446' FSL & 1154' FWL SW SW
BHL: 1219' FSL & 61' FWL SW SW
SEC 11 TWP 4N RGE 65W
Permanent Datum GL Elevation 4683
Log Measured From KB ---------- 14FT
Drilling Measured From KB

Other Services

Elevation
K.B. 4697
D.F. 4697
G.L.

Date	01.18.2012
Run Number	ONE
Depth Driller	7380
Depth Logger	7298
Bottom Logged Interval	7298
Top Log Interval	1120
Open Hole Size	7-7/8"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	242° F
Estimated Cement Top	1750
Time Well Ready	MAST UNIT
Time Logger on Bottom	2-3/4NX#4
Equipment Number	3312
Location	STERLING
Recorded By	LEROY HOBBS
Witnessed By	ERICH ZWAAGSRTA

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8"	24.00 / J-55	SURFACE	744
Prot. String				
Production String	4-1/2"	11.60 / M-80	SURFACE	7370
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.

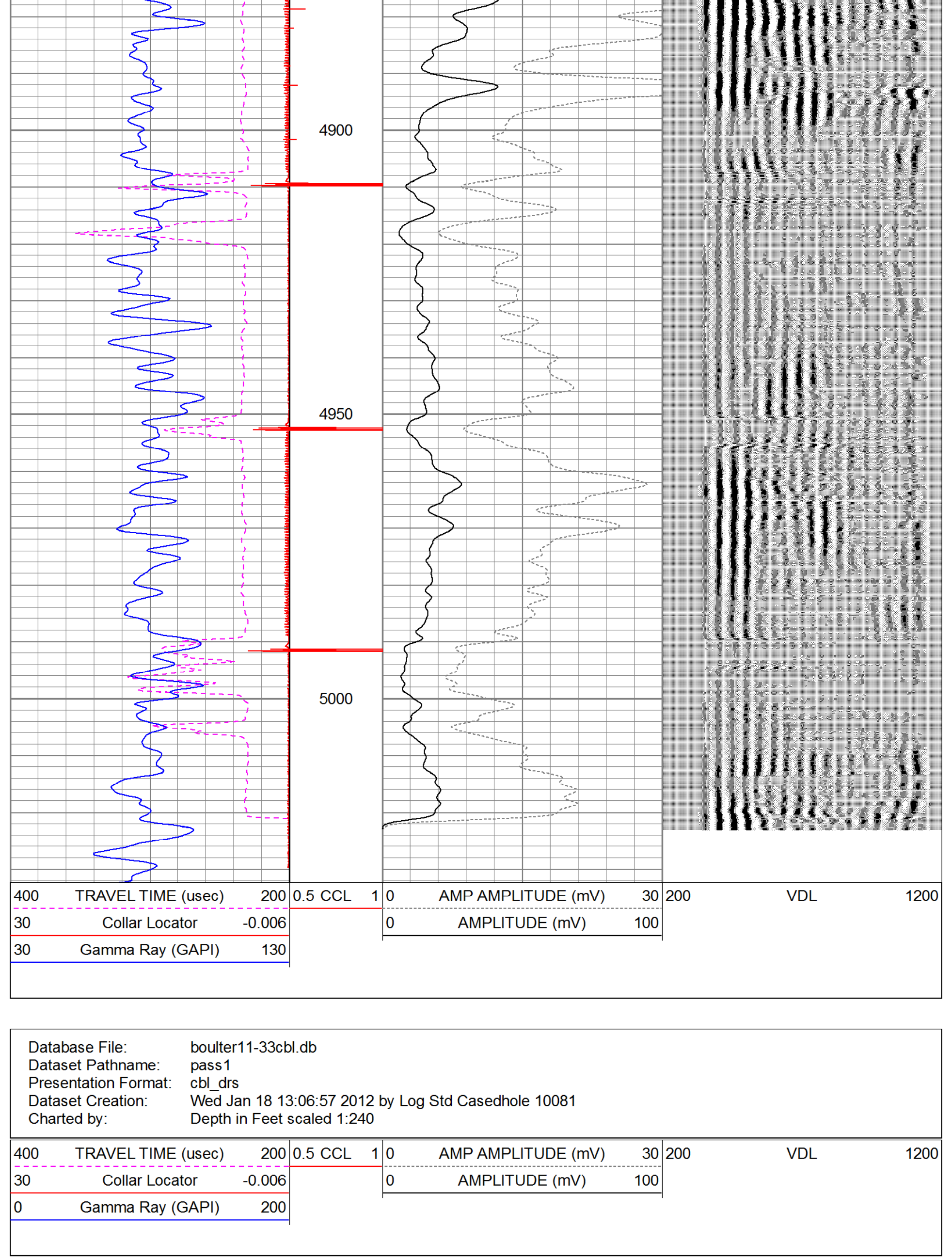
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES.

CORRECTED UP HOLE TO PSI MIRO LOG DATED JANUARY 4, 2012.

3 WELL PAD, X=BOULTER PC G11-33D
WEST
SOUTH 0 X 0 NORTH
EAST

Database File:	boulter11-33cbl.db
Dataset Pathname:	pass2
Presentation Format:	cbl_drs
Dataset Creation:	Wed Jan 18 13:30:55 2012 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: boulter11-33cbl.db
Dataset Pathname: pass1
Presentation Format: cbl_drs
Dataset Creation: Wed Jan 18 13:06:57 2012 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