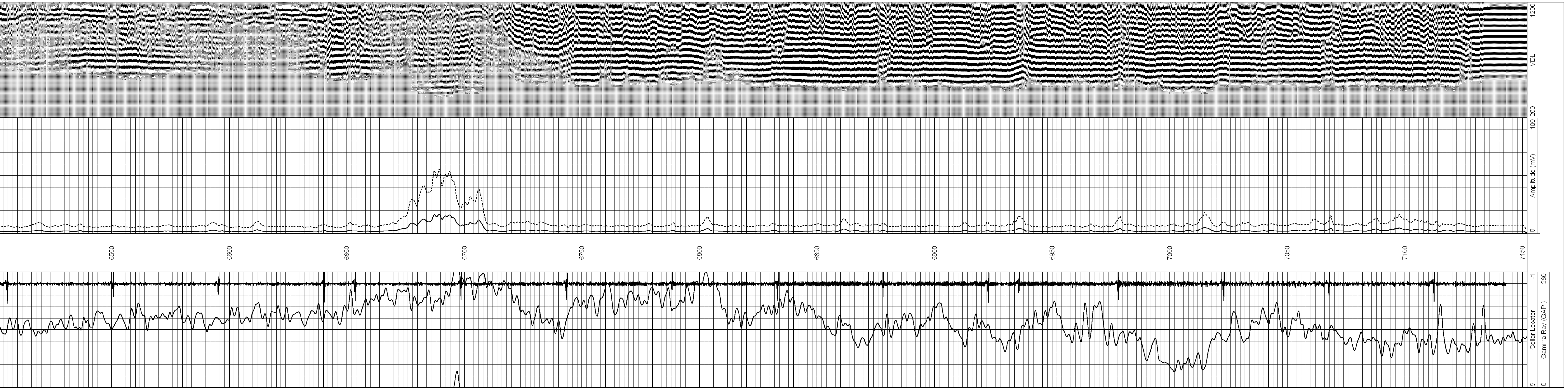

JW WIRELINE COMPANY

GAMMA RAY CCL
CEMENT BOND VDL

Company GREAT WESTERN OIL & GAS LLC.
Well HARRELL 4-52
Field WATTENBERG
County WELD
State CO

Company GREAT WESTERN OIL & GAS LLC.
Well HARRELL 4-52
Field WATTENBERG
County WELD State CO

Location: API # : 05-123-30738
1388' FNL & 1200' FWL
SW NW
SEC 4 TWP 5N RGE 65W

Other Services

Permanent Datum	GL	Elevation	4635
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4651
D.F. 4650
G.L. 4635

Date	NOV-1-2010
Run Number	ONE
Depth Driller	7185
Depth Logger	7137
Bottom Logged Interval	7134
Top Log Interval	3000
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	212 F
Estimated Cement Top	3172
Time Well Ready	
Time Logger on Bottom	
Equipment Number	581
Location	STERLING CO
Recorded By	MIKE MEISNER
Witnessed By	JAY PAPE

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5			
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

CORRECTED DOWN 1' TO PSI OPENHOLE LOG DATED OCTOBER 26, 2010

Database File:	harrell 4-52.db
Dataset Pathname:	pass8
Presentation Format:	scbl_dr
Dataset Creation:	Mon Nov 01 10:22:25 2010 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240

Database File:	harrell 4-52.db
Dataset Pathname:	pass7
Presentation Format:	scbl_dr
Dataset Creation:	Mon Nov 01 09:57:03 2010 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240

6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
9
Collar Locator
-1
0
Gamma Ray (GAPI)
260
0
Amplitude (mV)
100
200
VDL
1200