SUPERIOR WELL SERVICES

SUPERIOR STERLING, CO.
UNIT # 3312

CBL, CCL, GR, VDL

Company	PDC ENERGY
Well	Miller 32-1
Field	Wattenberg
County	Weld
State	CO
Country	USA

Company PDC ENERGY
Well Miller 32-1
Field Wattenberg
County Weld
State CO Country USA
Location: API # : 05-123-11864
NE / NW
SEC 32 TWP 5N RGE 67W

Other Services
n/a

			Elevation
Permanent Datum	Elevation	4826'	K.B. 4836'
Log Measured From			D.F. 4835'
Drilling Measured From			G.L. 4826'

Date	November 14, 2012
Run Number	1
Depth Driller	
Depth Logger	6300'
Bottom Logged Interval	6300'-3000'
Top Log Interval	3000'-0'
Open Hole Size	
Type Fluid	
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	
Location	WCRs52+13,E1.3,SSE.2
Recorded By	J Meisner
Witnessed By	Tony Barrientos

Borehole Record			Tubing Record		
Run Number					
Bit	From	To	Size	Weight	From	To

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

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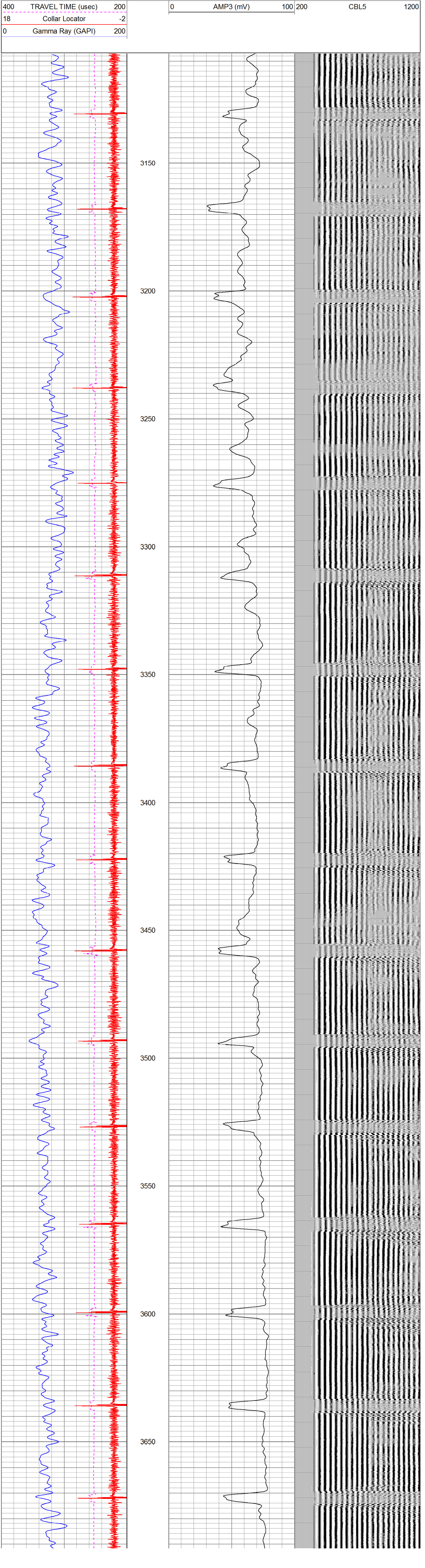
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Logged Approx. 12 Hrs Afterward

Database File:	pdcm321.db
Dataset Pathname:	pass2
Presentation Format:	cbl_drs
Dataset Creation:	Wed Nov 14 13:21:45 2012 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

Database File:	pdcm321.db
Dataset Pathname:	pass1
Presentation Format:	cbl_drs
Dataset Creation:	Wed Nov 14 12:52:11 2012 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240



3700
3750
3800
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3900
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4100
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4500
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5700
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5800
5850
5900
5950
6000
6050
6100
6150
6200
6250
6300
400 TRAVEL TIME (usec) 200
18 Collar Locator -2
0 Gamma Ray (GAPI) 200
0 AMP3 (mV) 100
200 CBL5 1200