NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

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

Company	PDC Energy
Well	Rieder 18T - 201
Field	Wattenberg
County	Weld
State	CO

Company PDC Energy
Well Rieder 18T - 201
Field Wattenberg
County Weld State CO

Location: API # : 05-123-40468
372' FSL & 2092' FEL
SW / SE
SEC 18 TWP 4N RGE 67W

Other Services

Permanent Datum GL Elevation 4811'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B.
D.F.
G.L. 4811'

Date	September 3, 2015		
Run Number	1		
Depth Driller	11,412'		
Depth Logger	7000'		
Bottom Logged Interval	7000'-0'		
Top Log Interval			
Casing Size			
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top			
Time Well Ready			
Time Logger On Bottom			
Unit Number	923827		
Tool Size / ID Number	1-11/16 Probe		
Location	WCRs44+15,W3/10,Ninto		
Recorded By	Meisner		
Witnessed By	Gardella		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	7"			
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.

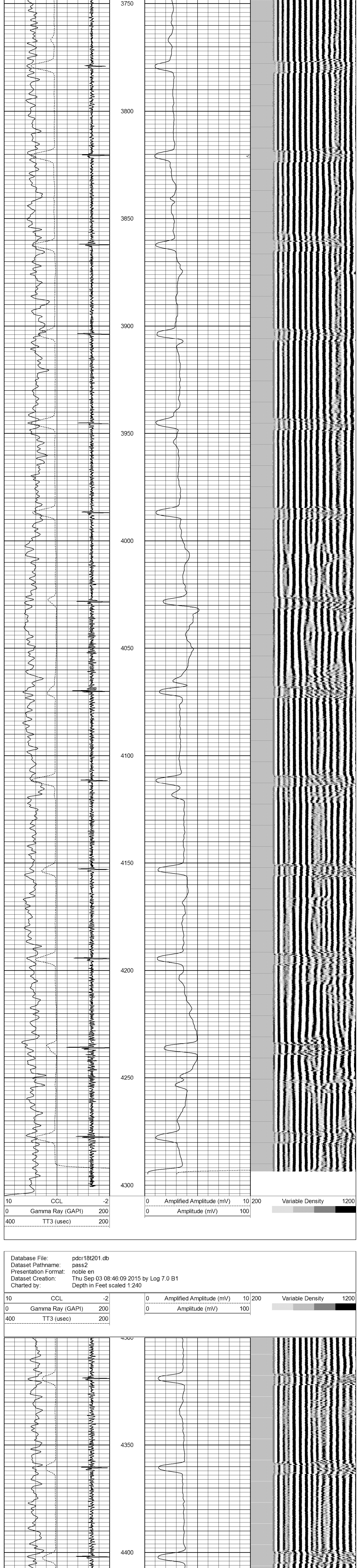
Comments

Rieder TQ 7 Well Pad

<WEST> O O O O O O X <EAST>

X = Rieder 18T - 201

Database File: pdcr18t201.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Thu Sep 03 09:12:57 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240



10	CCL	-2	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	Amplitude (mV)	100			
400	TT3 (usec)	200						

Database File: pdcr18t201.db
Dataset Pathname: pass2
Presentation Format: noble en
Dataset Creation: Thu Sep 03 08:46:09 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

10	CCL	-2	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	Amplitude (mV)	100			
400	TT3 (usec)	200						

10	CCL	-2	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	Amplitude (mV)	100			
400	TT3 (usec)	200						