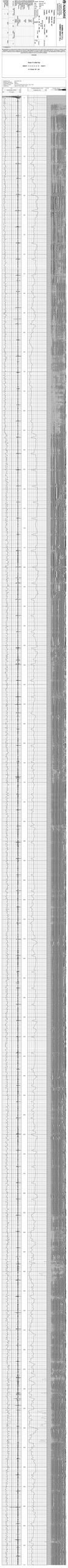

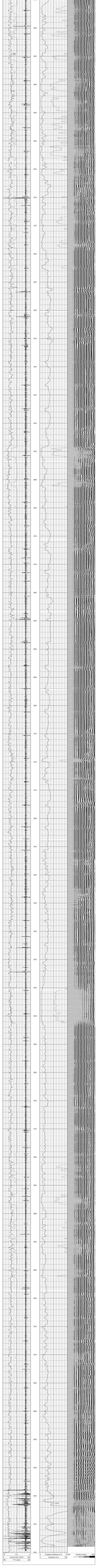

NABORS
COMPLETION & PRODUCTION SERVICES CO.

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

Company PDC Energy
Well Rieder 18Y - 441
Field Wattenberg
County Weld
State CO

Company PDC Energy
Well Rieder 18Y - 441
Field Wattenberg
County Weld State CO

Location: API # : 05-123-40570
679' FSL & 622' FEL
SE / SE
SEC 18 TWP 4N RGE 67W

Other Services

Permanent Datum	GL	Elevation	4806'
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B.
D.F.
G.L. 4806'

Date	August 25, 2015		
Run Number	1		
Depth Driller	11,610'		
Depth Logger	6500'		
Bottom Logged Interval	6500'-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,W2/10,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				

<<< Fold Here >>>

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 TY 6 Well Pad

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

X = Rieder 18Y - 441

Database File:	pdcr18y441.db
Dataset Pathname:	pass1
Presentation Format:	noble en
Dataset Creation:	Tue Aug 25 09:52:26 2015 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
5000
5050
5100
5150
5200
5250
5300
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5900
5950
6000
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
10 CCL -2
0 Gamma Ray (GAPI) 200
400 TT3 (usec) 200
0 Amplified Amplitude (mV) 10
0 Amplitude (mV) 100
200 Variable Density 1200