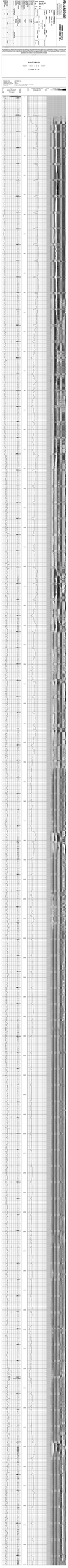

NABORS
COMPLETION & PRODUCTION SERVICES CO.

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

Company	PDC Energy
Well	Rieder 18Y - 241
Field	Wattenberg
County	Weld
State	CO

Company PDC Energy
Well Rieder 18Y - 241
Field Wattenberg
County Weld State CO

Location: API #: 05-123-40567
678' FSL & 652' FEL
SE / SE
SEC 18 TWP 4N RGE 67W

Other Services

Permanent Datum	GL	Elevation	4806'	Elevation
Log Measured From	KB			K.B.
Drilling Measured From	KB			D.F.
				G.L. 4806'

Date	August 25, 2015
Run Number	1
Depth Driller	11,408'
Depth Logger	6400'
Bottom Logged Interval	6400'-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 X O O <EAST>

X = Rieder 18Y - 241

Database File:	pdcr18y241.db
Dataset Pathname:	pass1
Presentation Format:	noble en
Dataset Creation:	Tue Aug 25 11:36:25 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					

3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
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5100
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5900
5950
6000
6050
6100
6150
6200
6250
6300
6350
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