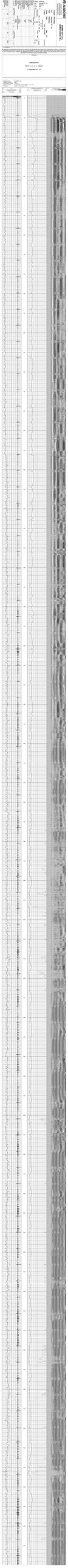

Company	PDC Energy
Well	Sappington 22T - 341
Field	Wattenberg
County	Weld
State	CO

NABORS
COMPLETION & PRODUCTION SERVICES CO.

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

Company	PDC Energy		
Well	Sappington 22T - 341		
Field	Wattenberg		
County	Weld	State	CO

Location: API #: 05-123-41550
853' FSL & 1722' FEL
SW / SE
SEC 22 TWP 5N RGE 64W

Other Services

Permanent Datum	GL	Elevation 4601'	Elevation
Log Measured From	KB		K.B.
Drilling Measured From	KB		D.F.
			G.L. 4601'

Date	September 16, 2015
Run Number	1
Depth Driller	11,164'
Depth Logger	5850'
Bottom Logged Interval	5850'-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	WCRs54+57,N4/10,W3/10,$2/10into
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

Sappington Pad

<EAST> O X O O <WEST>

X = Sappington 22T - 341

Database File:	pdcs22t341.db
Dataset Pathname:	pass1
Presentation Format:	noble en
Dataset Creation:	Wed Sep 16 10:12:52 2015 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

3750
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
5350
5400
5450
5500
5550
5600
5650
5700
5750
5800
5850
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