Company PDC Energy
Well Wacker 22-10
Field Wattenberg
County Weld
State CO

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Location: API # 05-123-39167
SEC 15 Twp 3N Rge 66W
1800' FSL
800' FEL
Elevation: 4833' GL
Other Services

Permanent Datum: Ground Level
Log Measured From: KB
Drilling Measured From: KB

	Run Number	Date	Depth Driller	Schlumberger Depth	Bottom Logged Interval	Top Logged Interval	Casing Driller Size @ Depth	Casing Schlumberger	Bit Size	Type Fluid in Hole	Density	Viscosity	pH	Fluid Loss	Source of Sample	Rm @ Measured Temp	Rmf @ Measured Temp	Rmc @ Measured Temp	Source of Rmf / Rmc	Rm @ BHT	Time Since Circulation	Time Since Circulation	Max Rec. Temp.	Equipment Number	Location	Recorded By	Witnessed By
	ONE	30-Dec-15	7,240'	7,240'	7,240'	0'	9 5/8" @ 1,215'		8 3/4"	WATER BASED MUD	8.4 lb/gal	26 s/qt	10.5	8.8 cc/30min	MUD PIT	0.1 @ 70 °F	0.08 @ 70 °F	0.12 @ 70 °F	MEASURED	0.08 @ 160 °F	12 hr	12 hr	160 °F	10561	GREELEY	J. ROSS	

*** Field Notes ***

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

Cascade Solutions

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

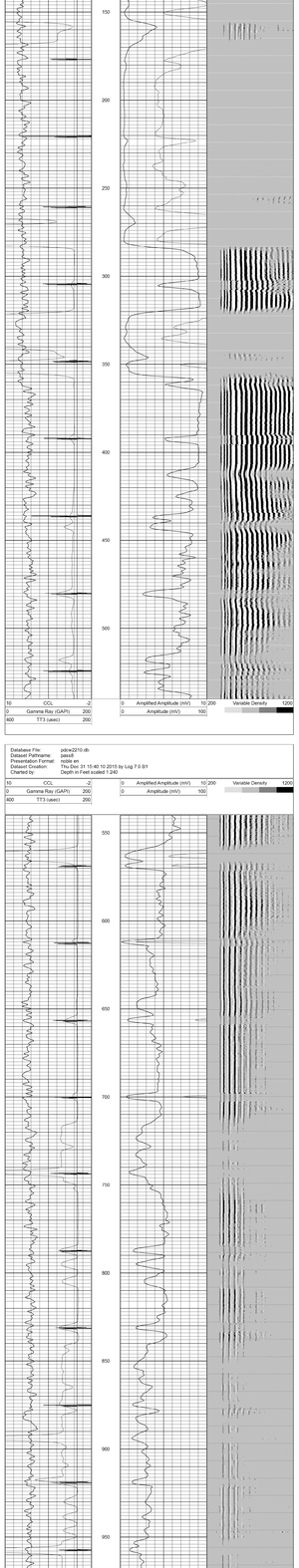
Database File: pdcw2210.db
Dataset Pathname: pass8
Presentation Format: noise en
Dataset Creation: Wed Dec 30 07:36:30 2015 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

10	CCL	-2
0	Gamma Ray (GAPI)	200
400	TT3 (usec)	200

0	Amplified Amplitude (mV)	10 200
0	Amplitude (mV)	100

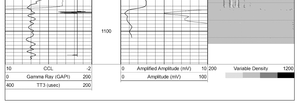
Variable Density	1200

Fluid Level



Database File: pdcw2210.db
Dataset Pathname: pass8
Presentation Format: noise en
Dataset Creation: Thu Dec 31 15:40:10 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

10 CCL -2
0 Gamma Ray (GAPI) 200
400 TT3 (usec) 200

0 Amplified Amplitude (mV) 10 200
0 Amplitude (mV) 100

Variable Density 1200