

Company						St. James Energy Operating, Inc.							
Well						Abt Brigham 2-10							
Field						Hatcheck							
County						Weld							
State						Colorado							
Location:						AP# H: 051237282000							
						Other Services							
Permit/Legal Claim						None							
Log Measured from						Elevation							
K & 4921						Elevation							
D.C. 4820						D.C. 4820							
Drilling Interval from						May 24, 2013							
Run Number						1							
Depth Other						7186							
Bottom Depth						7186							
Depth to Next Interval						7186							
Top Log Interval						Casing							
Casing Other						771							
Logging Logger						7186							
Borehole Diameter						7186							
Type Fluid in Hole						Clean Gel							
Density / Viscosity						9.2 / 60							
API Fluid Loss						8.1 / 7.20							
Temperature at Bit						3.02 @ 70 F							
Bit @ MWD Temp						2.42 @ 70 F							
Bit @ MWD Temp						3.62 @ 70 F							
Time Circulation Stopped						1.03 @ 200 F							
Time Logged on Bottom						09:50							
Temperature						1546							
Equipment Number						50							
Brigham, CO						Mud Chemistry							
Record By						Mike Swenson							

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Comments

**Annular volume calculated for 4-1/2" casing  
Cade Drilling Rig 25**

Thank you for using Pioneer Energy Services.

Datafile File: 12770 db

Dataset Pathname: final

Presentation Format: pdf1

Dataset Creation: Fri May 24 16:13:56 2013

Charted by:		Depth in Feet scaled 1:240	
6	Density Caliper (in)	16	
80	Gamma Ray (GAPI)	130	
2	Deep Resistivity (Ohm-m)	200	20
2	Medium Resistivity (Ohm-m)	200	20
			Density Porosity (pu)
			Neutron Porosity (pu)

2 Shallow Res

