PIONEER

Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company SINGLETREE RESOURCES INC.
Well Gaims-Guerrero 22-15
Field Channel
County Logan
State Colorado

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Location: API # : 05075094200000
1020' FNL & 1980' FWL
NENW
SEC 15 TWP 11N RGE 54W
Permanent Datum GL Elevation 4319
Log Measured From KB
Drilling Measured From KB

Other Services
None

Elevation
K.B. 4331
D.F. 4330
G.L. 4319

Date	January 14, 2013		
Run Number	1		
Depth Driller	5514		
Depth Logger	5514		
Bottom Logged Interval	5514		
Top Log Interval	Casing		
Casing Driller	476		
Casing Logger	476		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.5 / 65		
pH / Fluid Loss	8.0 / 8.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.80 @ 50 °F		
Rmf @ Meas. Temp	2.95 @ 50 °F		
Rmc @ Meas. Temp	5.00 @ 50 °F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.30 @ 146 °F		
Time Circulation Stopped	2000 1-13-13		
Time Logger on Bottom	0030		
Maximum Recorded Temperature	146 °F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Shaun Schuman		
Witnessed By	Tony Markve	Louise Kiteley	Mark Brown

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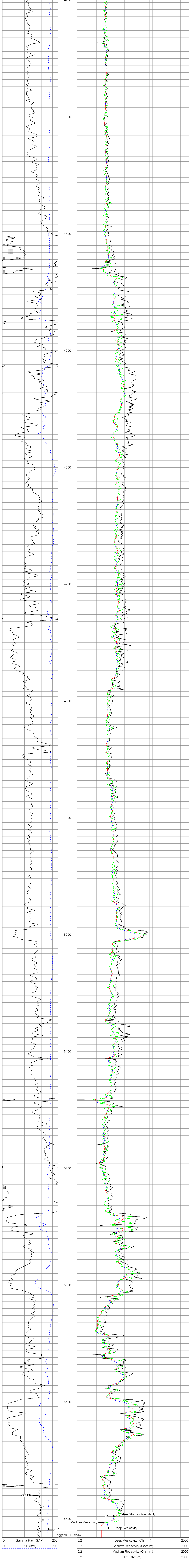
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

Annular volume calculated for 5.5" casing
Excell Rig #3
Thank you for using Pioneer Energy!

Database File: 13268.db
Dataset Pathname: main
Presentation Format: dil
Dataset Creation: Mon Jan 14 02:09:51 2013
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200	
0	SP (mV)	200	
0.2	Deep Resistivity (Ohm-m)	2000	
0.2	Shallow Resistivity (Ohm-m)	2000	
0.2	Medium Resistivity (Ohm-m)	2000	
0.2	Rt (Ohm-m)	2000	



0 Gamma Ray (GAPI) 200
0 SP (mV) 200
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Rt (Ohm-m) 2000

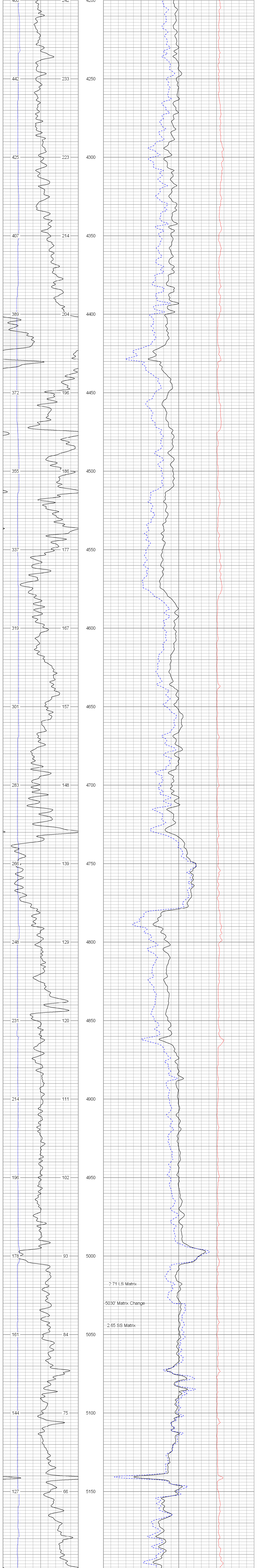
Database File: 13268.db
Dataset Pathname: main
Presentation Format: poro
Dataset Creation: Mon Jan 14 02:09:51 2013
Charted by: Depth in Feet scaled 1:240

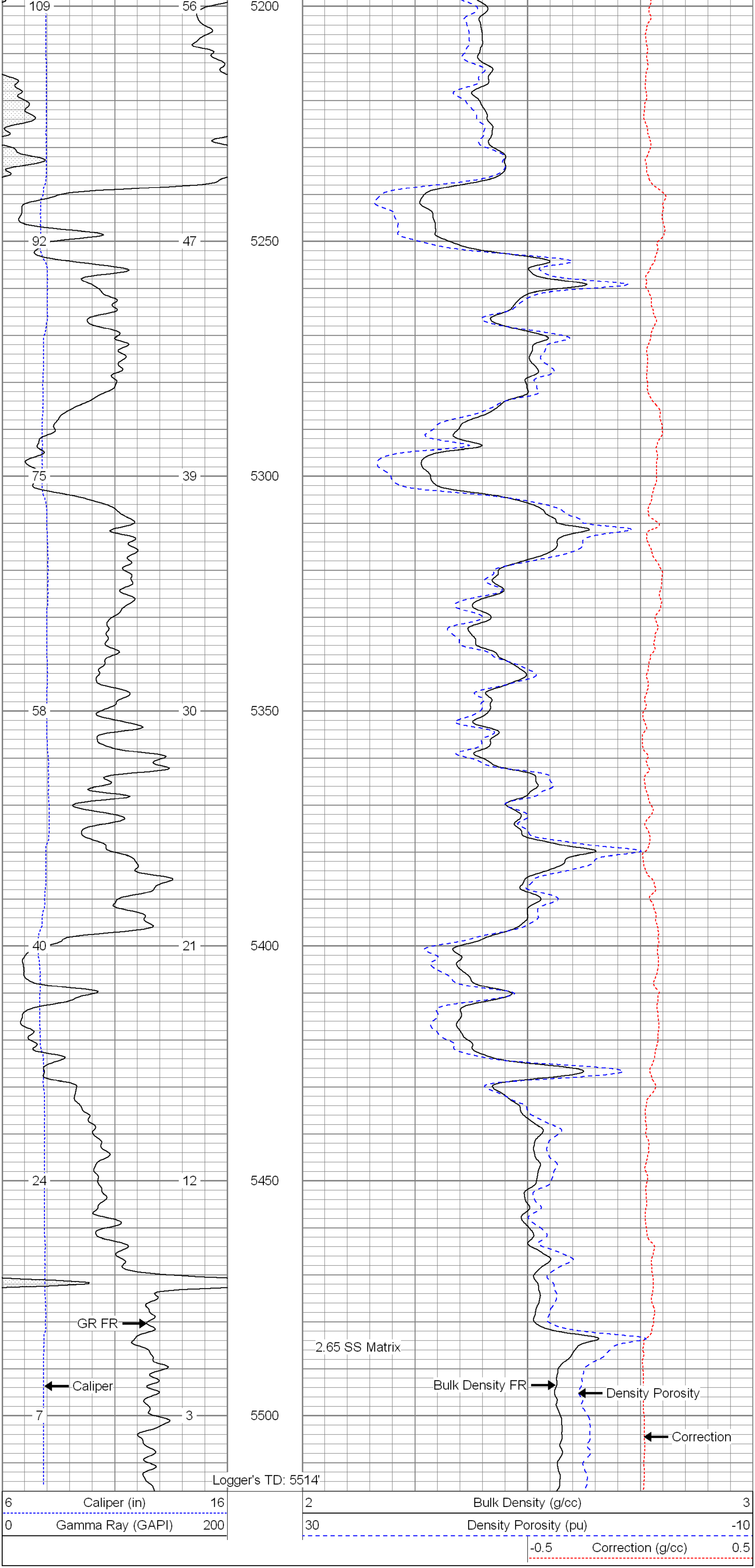
6	Caliper (in)	16	
0	Gamma Ray (GAPI)	200	
TBHV (ft3)		ABHV (ft3)	
30	Density Porosity (pu)	-10	
30	Neutron Porosity (pu)	-10	
-0.5	Correction (g/cc)	0.5	

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
TBHV (ft3) ABHV (ft3)
30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Correction (g/cc) 0.5

Database File: 13268.db
Dataset Pathname: main
Presentation Format: cdl
Dataset Creation: Mon Jan 14 02:09:51 2013
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16	
0	Gamma Ray (GAPI)	200	
2	Bulk Density (g/cc)	3	
30	Density Porosity (pu)	-10	
-0.5	Correction (g/cc)	0.5	




109
56
5200
92
47
5250
75
39
5300
58
30
5350
40
21
5400
24
12
5450
7
3
5500
GR FR
Caliper
2.65 SS Matrix
Bulk Density FR
Density Porosity
Correction
Logger's TD: 5514'
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
2 Bulk Density (g/cc) 3
30 Density Porosity (pu) -10
-0.5 Correction (g/cc) 0.5