HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

PIONEER
Pioneer Energy Services

Company	Sundance Energy Inc.
Well	MLD 11-22
Field	Wattenberg
County	Weld
State	Colorado

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Well MLD 11-22
Field Wattenberg
County Weld State Colorado

Location: API # : 05123360990000
SHL: 854' FNL & 1290' FWL NWNW
BHL: 663' FNL & 655' FWL NWNW
SEC 22 TWP 4N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation	4877
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4893
D.F. 4892
G.L. 4877

Date	November 30, 2012
Run Number	1
Depth Driller	6892
Depth Logger	6893
Bottom Logged Interval	6893
Top Log Interval	Casing
Casing Driller	581
Casing Logger	581
Bit Size	7+7/8"
Type Fluid in Hole	Chem Gel
Density / Viscosity	9.6 / 69
pH / Fluid Loss	7.5 / 9.0
Source of Sample	Flowline
Rm @ Meas. Temp	3.90 @ 60 F
Rmf @ Meas. Temp	2.60 @ 60 F
Rmc @ Meas. Temp	4.50 @ 60 F
Source of Rmf / Rmc	Measure / Calc
Rm @ BHT	1.14 @ 205 F
Time Circulation Stopped	2000
Time Logger on Bottom	0100
Maximum Recorded Temperature	205 F
Equipment Number	52
Location	Brighton, CO
Recorded By	Schuman
Witnessed By	Hudson

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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 4.5" casing
Ensign Drilling Rig 55
Thank you for using Pioneer Energy!
No repeat pass due to hole conditions.

Database File: 13148.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Fri Nov 30 02:12:24 2012
Charted by: Depth in Feet scaled 1:240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
50 SP (mV) 150
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

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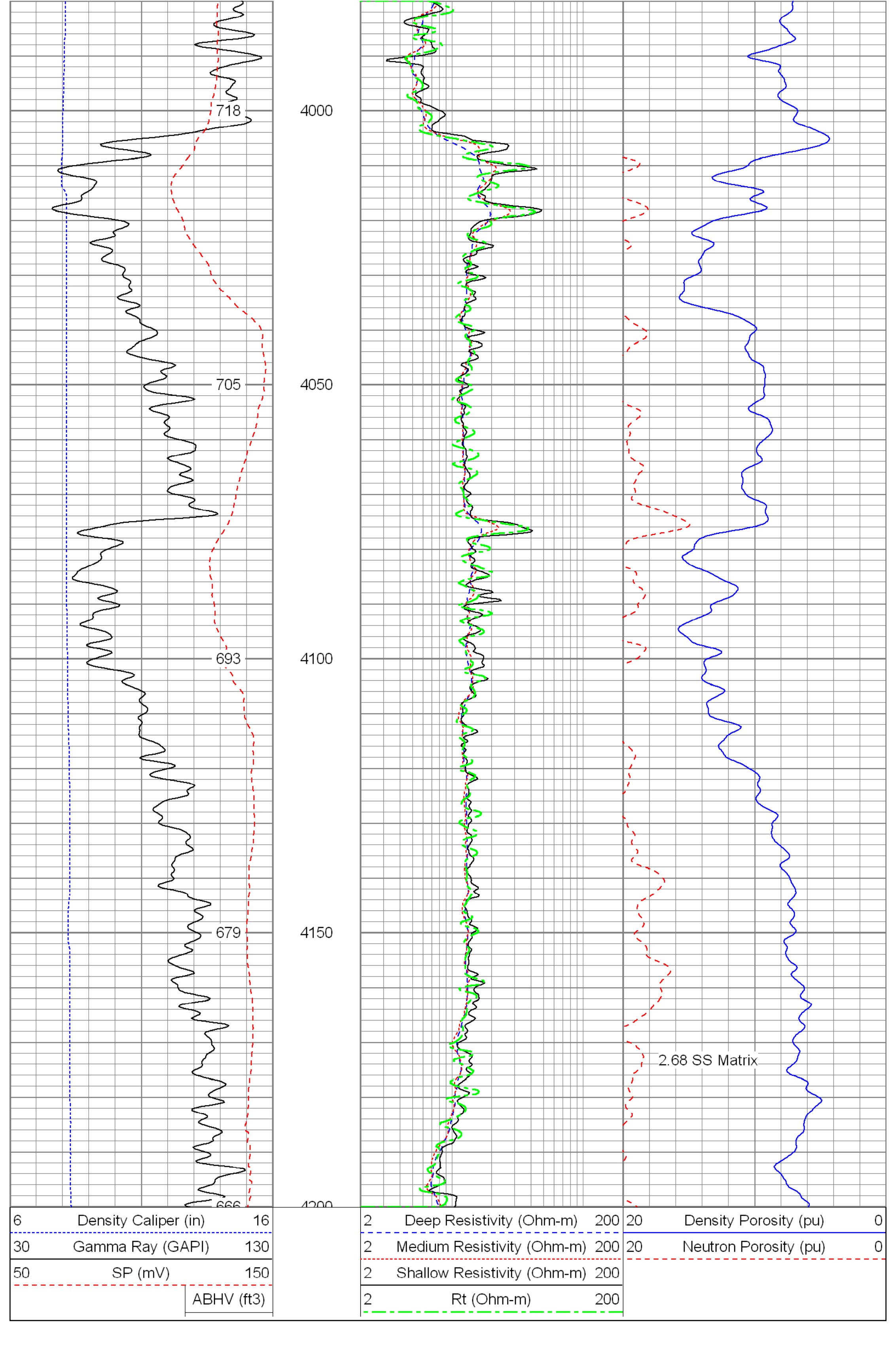

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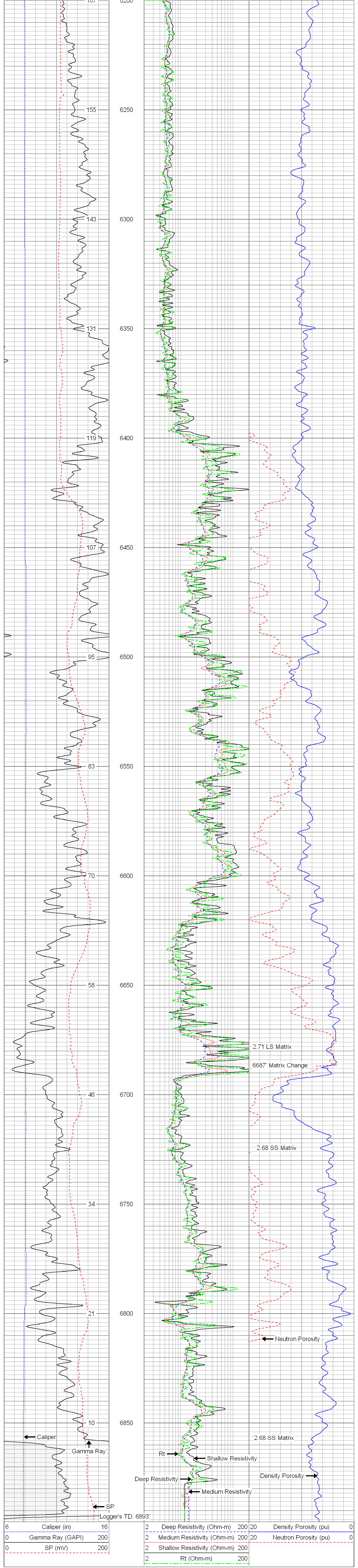

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