PHOENIX SURVEYS, INC.

# HIGH RESOLUTION INDUCTION
# COMPENSATED DENSITY
# COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

| | |
|---|---|
| Company | Antelope Energy Company, LLC |
| Well | State 9-61-16 |
| Field | WildCat |
| County | Weld |
| State/Province | Colorado |

Location
660' FSL & 660' FEL
SE SE
Sec 16, Twp 9N, Rge 61W

Other Services
Sonic

Elevation
K.B. 4978
D.F. 4977
G.L. 4966

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4966 |
| Log Measured From | KB | | |
| Drilling Measured From | KB | | |

| | | | |
|---|---|---|---|
| Date | January 10, 2011 | | |
| Run Number | 1 | | |
| Depth Driller | 7340 | | |
| Depth Logger | 7331 | | |
| Bottom Logged Interval | 7331 | | |
| Top Log Interval | Casing | | |
| Casing Driller | 1029 | | |
| Casing Logger | 1029 | | |
| Bit Size | 8-3/4" | | |
| Type Fluid in Hole | Chem Gel | | |
| Density / Viscosity | 9.3/ 65 | | |
| pH / Fluid Loss | 8.0 / 9.2 | | |
| Source of Sample | Flowline | | |
| Rm @ Meas. Temp | 3.87 @ 60 F | | |
| Rmf @ Meas. Temp | 3.10 @ 60 F | | |
| Rmc @ Meas. Temp | 4.64 @ 60 F | | |
| Source of Rmf / Rmc | Measure / Calc | | |
| Rm @ BHT | 1.15 @ 215 F | | |
| Time Circulation Stopped | 0415 | | |
| Time Logger on Bottom | 0300 | | |
| Maximum Recorded Temperature | 215 F | | |
| Equipment Number | 52 | | |
| Location | Brighton, CO | | |
| Recorded By | Matt Gill | | |
| Witnessed By | Laurance Gilmore | | |

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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

Annular volume calculated for 7.0" casing
Excel Drilling Rig 3
Thank you for using Phoenix Surveys.
API #: 05-123-32490-00

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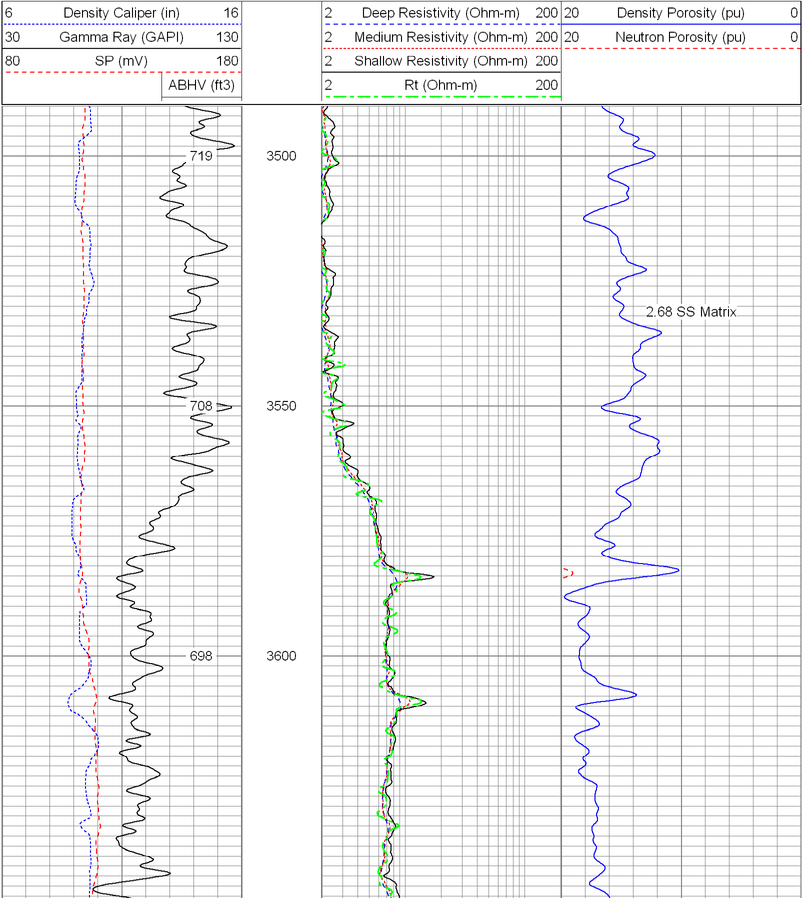
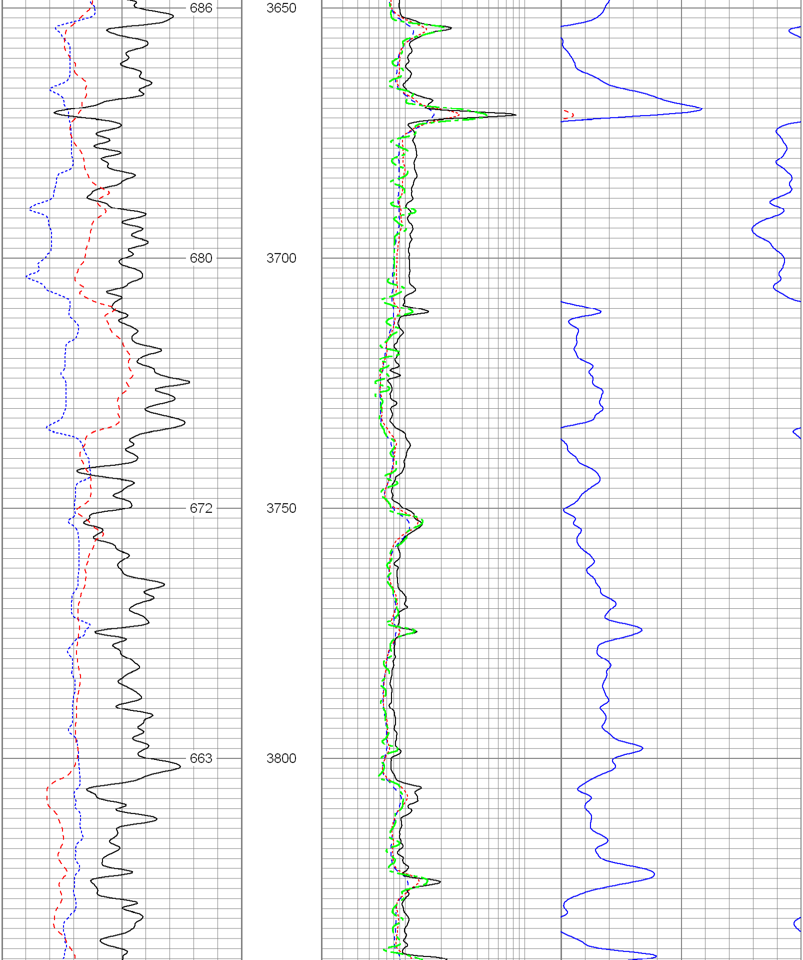
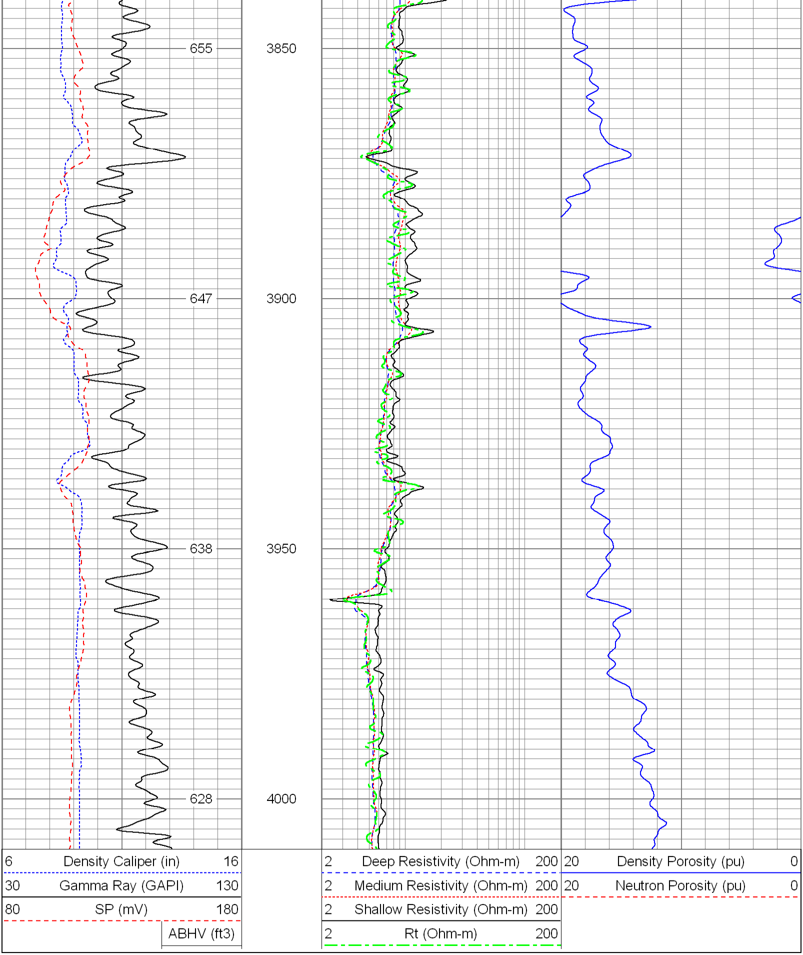
|---|---|
| Database File: | 11382.db |
| Dataset Pathname: | final |
| Presentation Format: | pdc1 |
| Dataset Creation: | Mon Jan 10 16:26:21 2011 |
| Charted by: | Depth in Feet scaled 1:240 |







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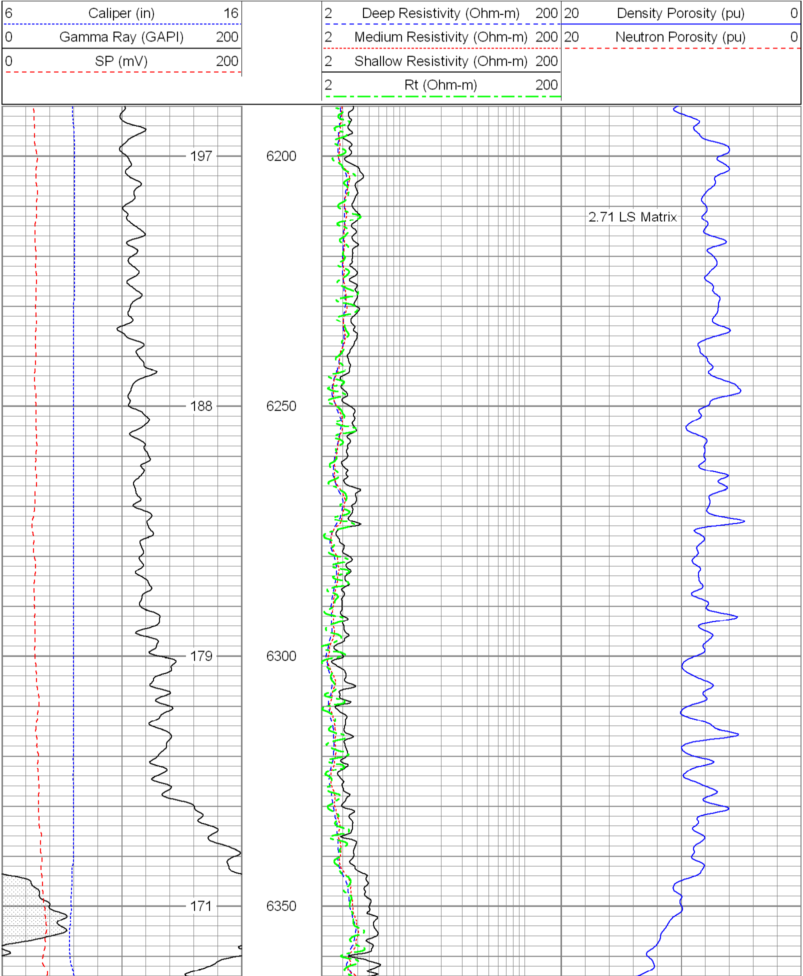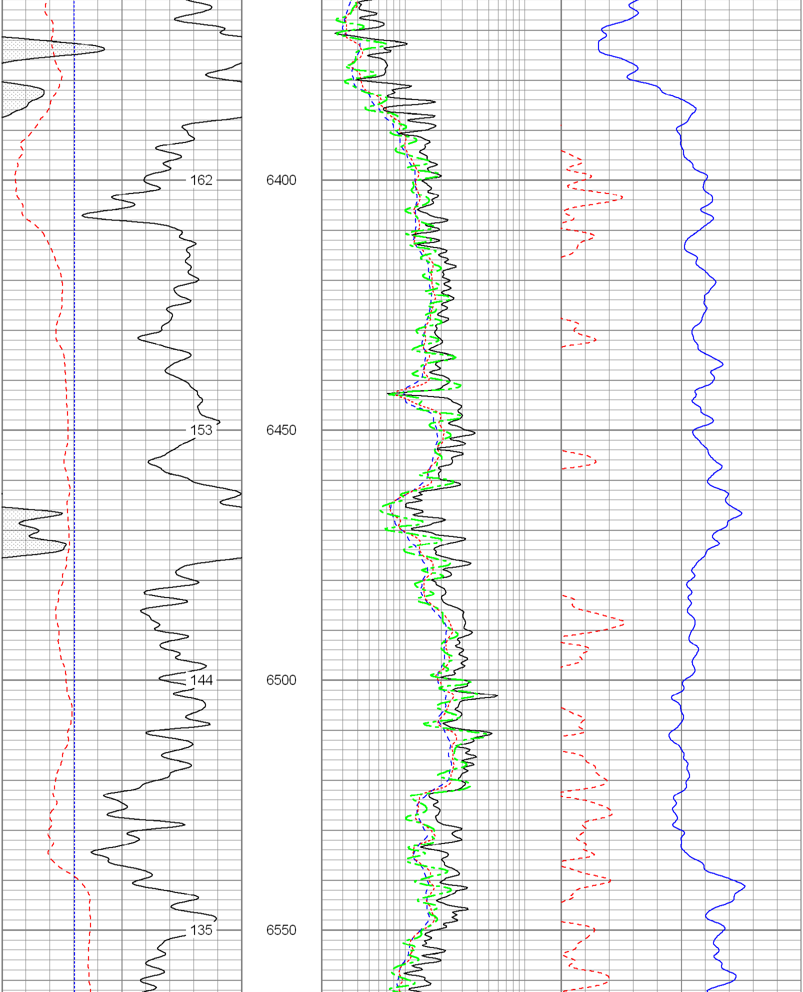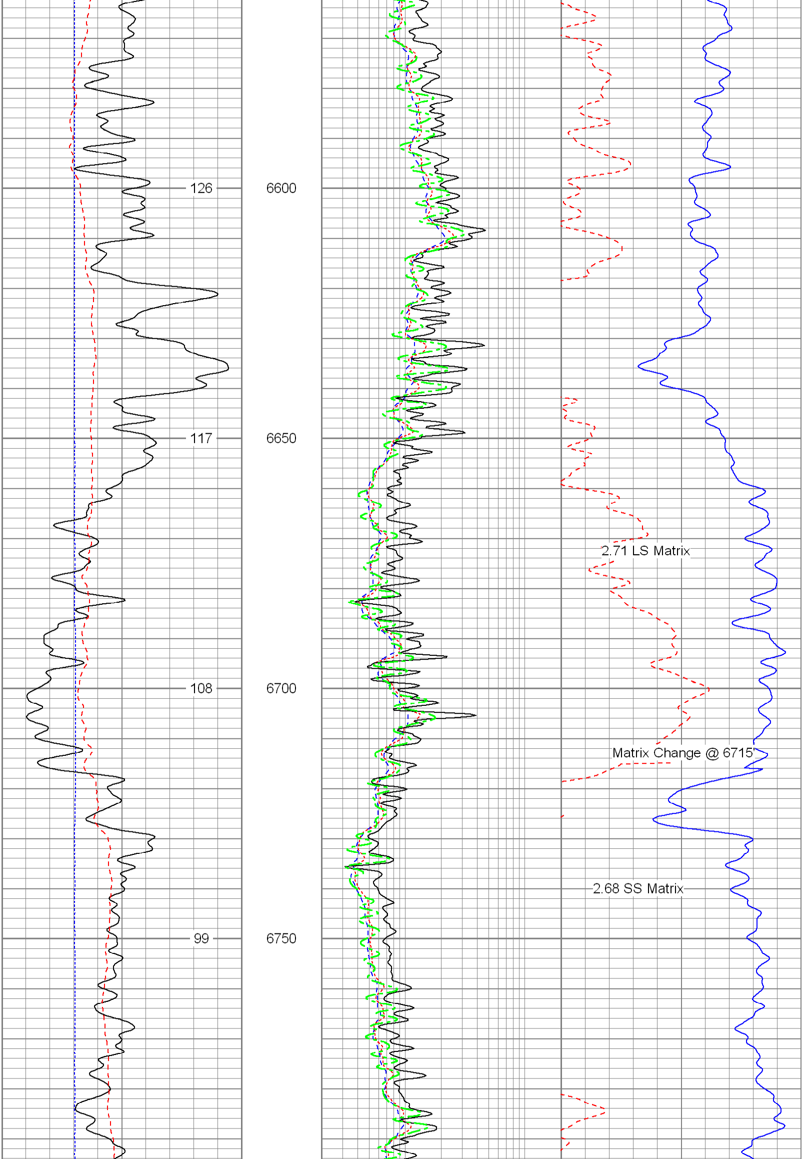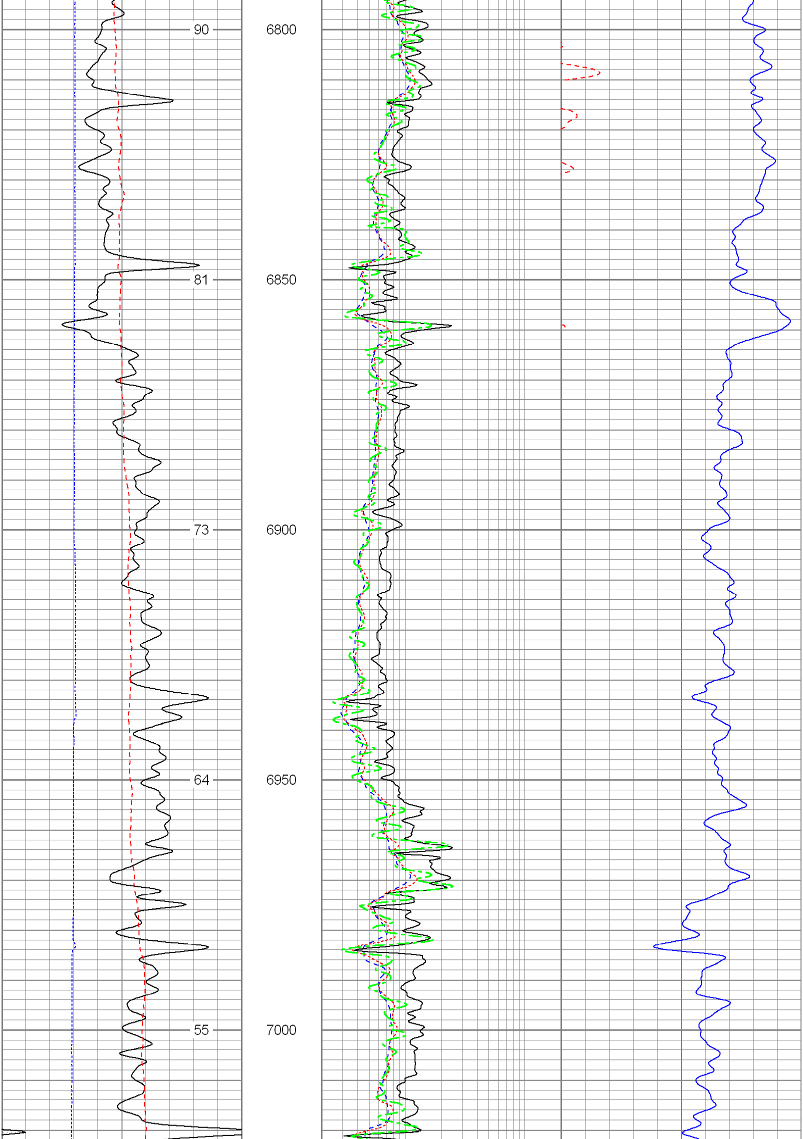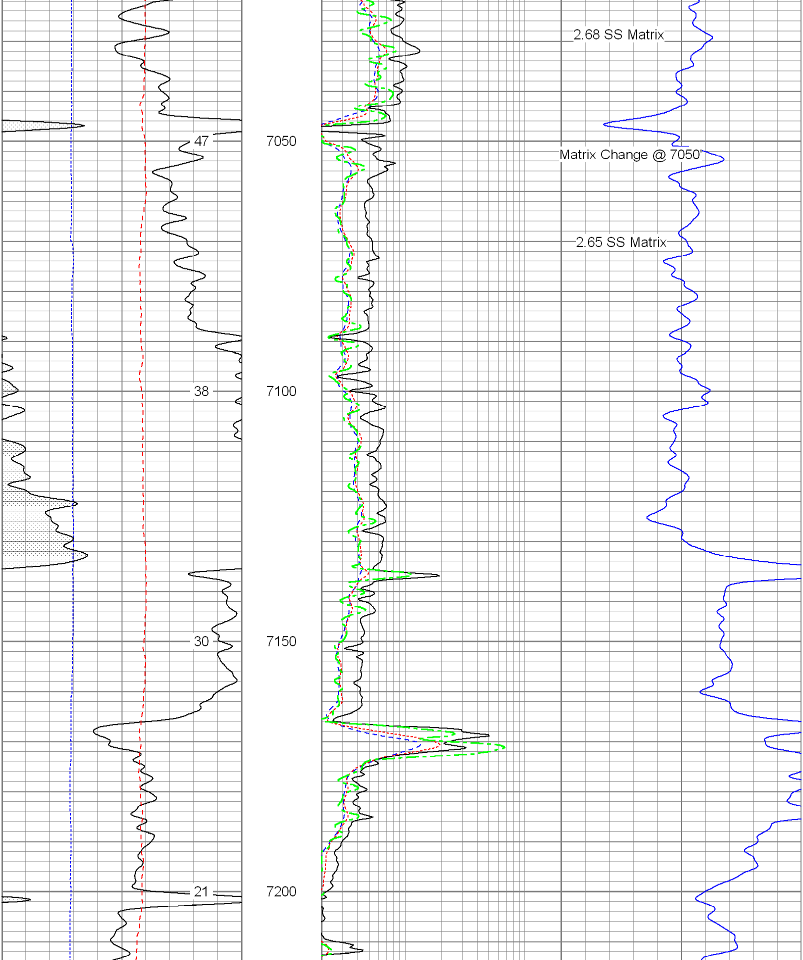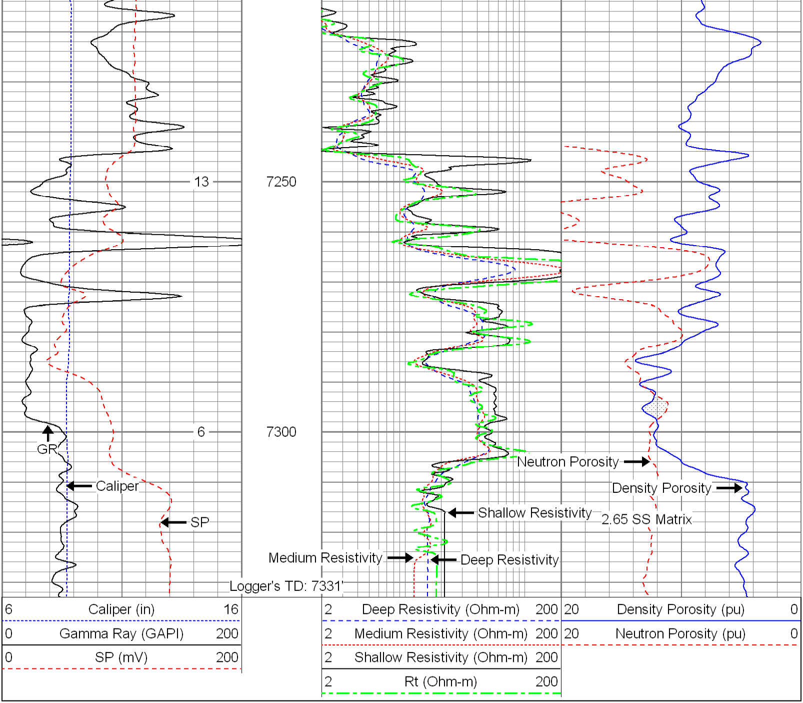
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Rt (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
197
6200
188
6250
179
6300
171
6350
2.71 LS Matrix