PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG

Company
Well
Field
County
State/Prv

Company Kerr-McGee Oil & Gas Onshore LP
Well SEC Four 3-4
Field Spindle
County Weld **State/Province** Colorado

Location
SHL: 1293' FNL & 1287' FWL NW NW
(EST) BHL: 656' FNL & 1936' FWL NE NW
Sec. 4, Twp. 1N, Rge. 68W

Other Services
Induction

Elevation
K.B. 5043
D.F. 5042
G.L. 5028

Permanent Datum	GL	Elevation	5028
Log Measured From	KB		
Drilling Measured From	KB		

Date	June 27, 2009		
Run Number	1		
Depth Driller	8425		
Depth Logger	8423		
Bottom Logged Interval	8403		
Top Log Interval	4100		
Casing Driller	816		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.2 / 40		
pH / Fluid Loss	9.5 / 10.0		
Source of Sample	Mudpit		
Rm @ Meas. Temp	3.23 @ 81° F		
Rmf @ Meas. Temp	2.42 @ 81° F		
Rmc @ Meas. Temp	4.07 @ 81° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.17 @ 216° F		
Time Circulation Stopped	0630		
Time Logger on Bottom	1405		
Maximum Recorded Temperature	216° F		
Equipment Number	51		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Micah Beale	Tekabe Gedamu	

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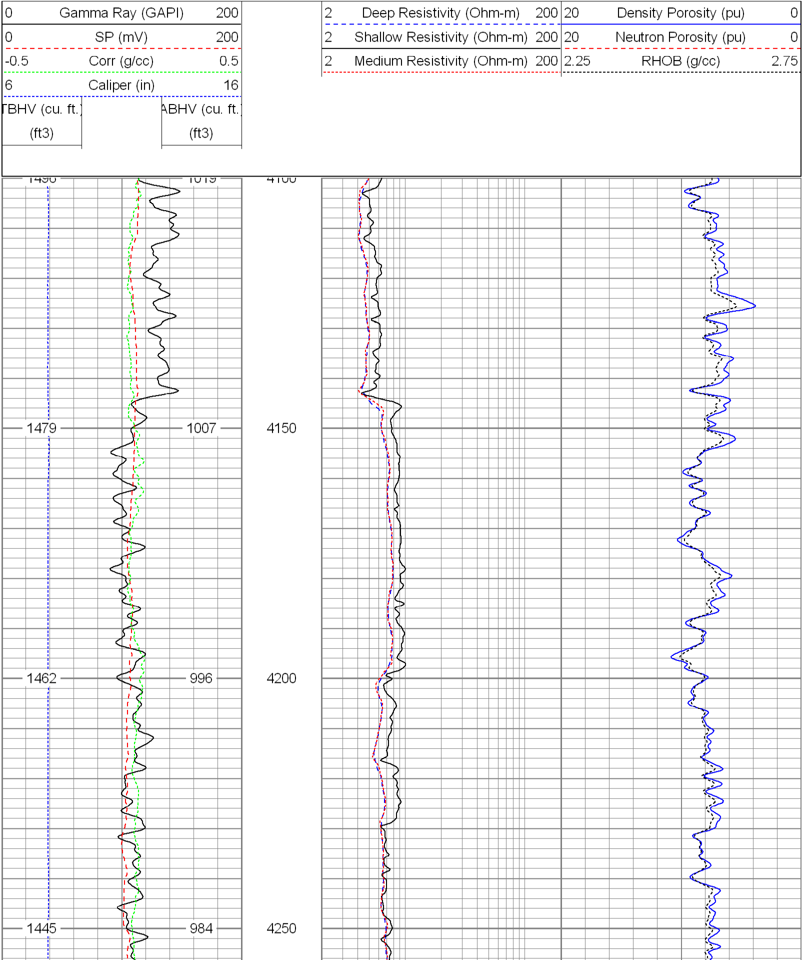
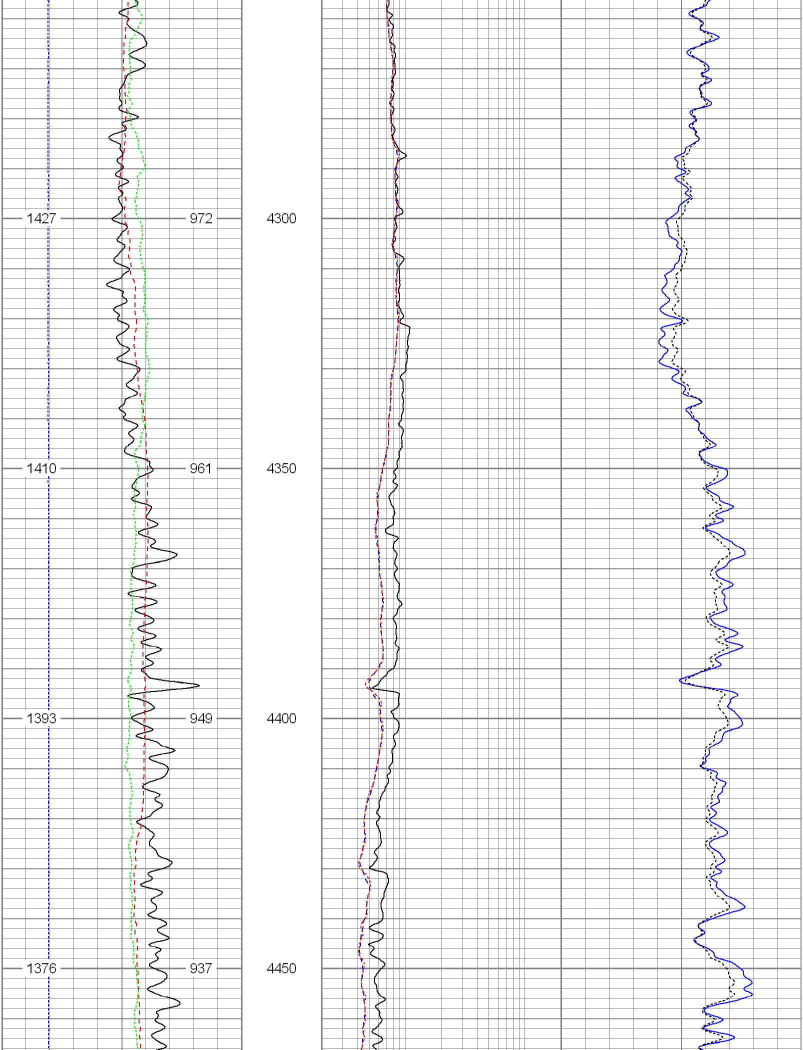
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

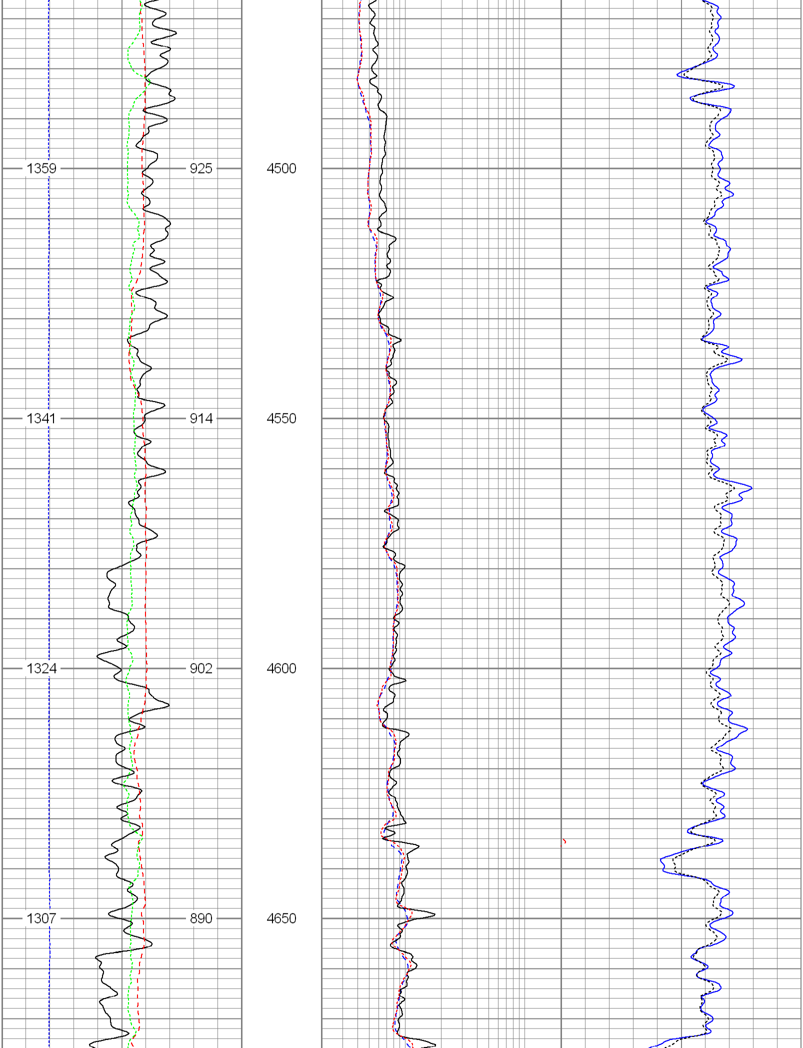
Comments

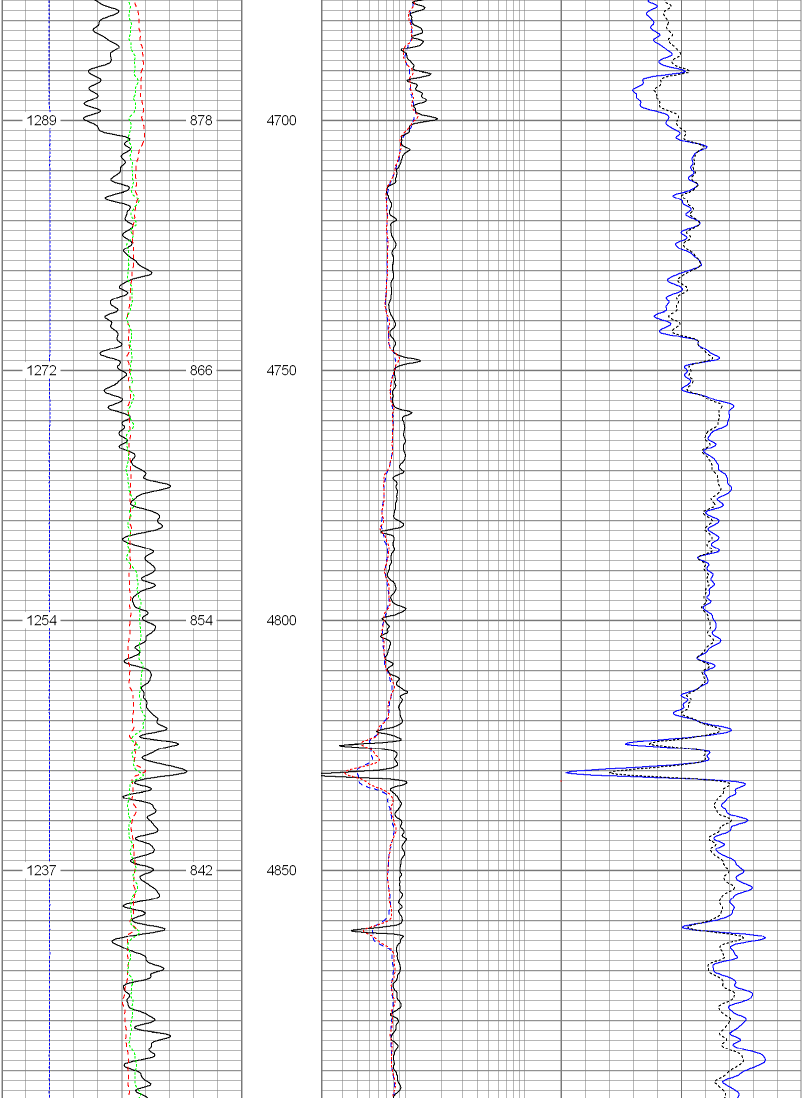
Annular volume calculated for 4-1/2" casing
Extreme Drilling Rig 11
Thank you for using Phoenix Surveys!!
API #: 05-123-29455-00
No Repeat Due To Hole Conditions

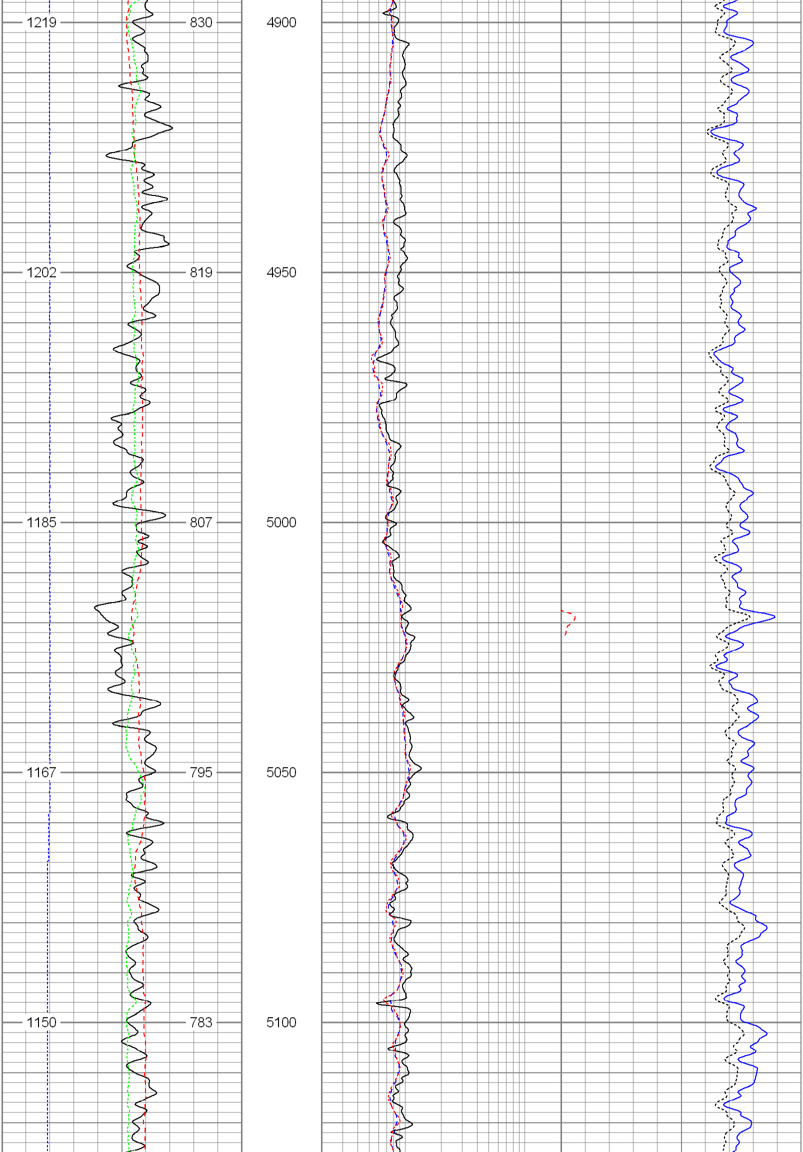
Database File: 10059.db
Dataset Pathname: final
Presentation Format: split20
Dataset Creation: Sat Jun 27 15:04:42 2009
Charted by: Depth in Feet scaled 1:240

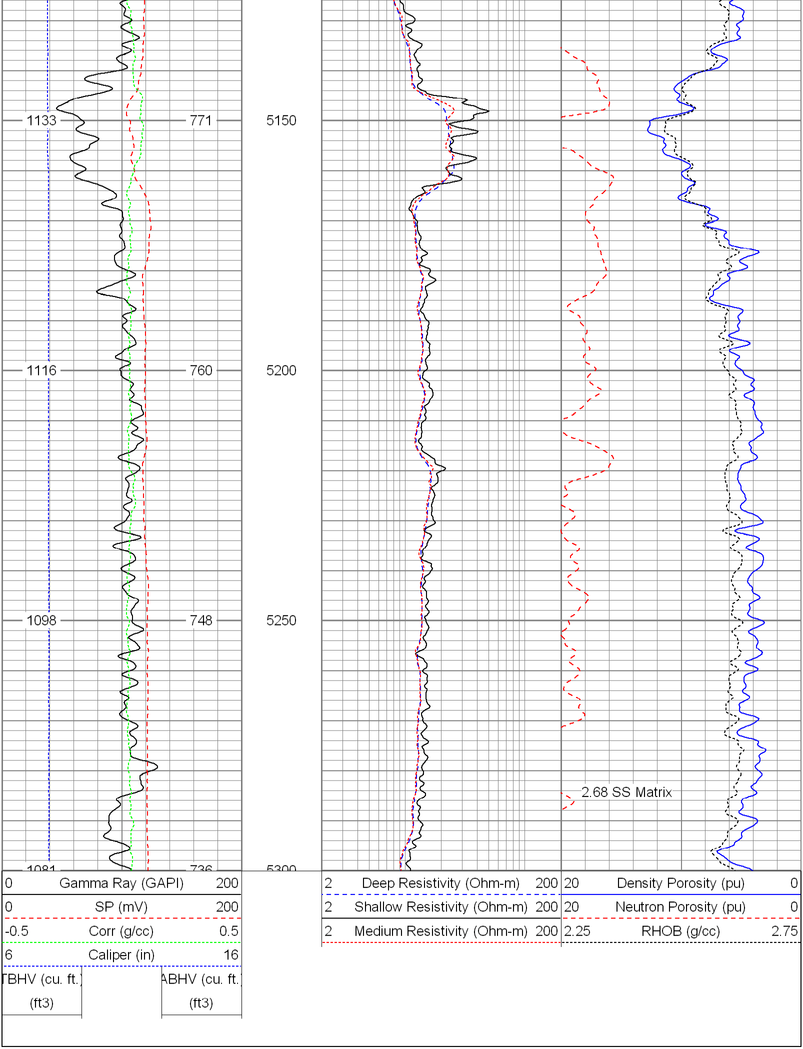








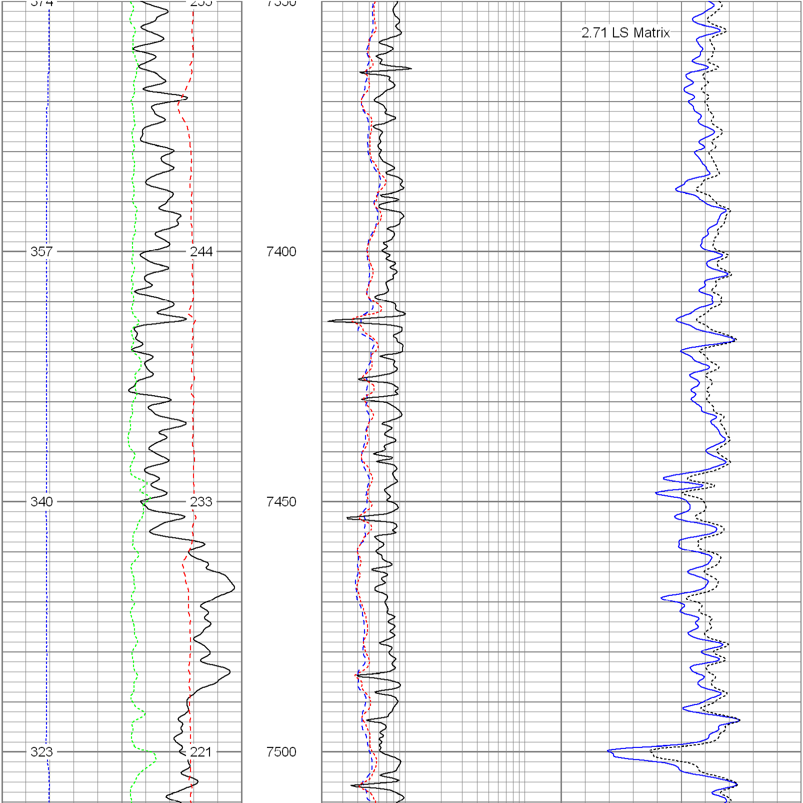
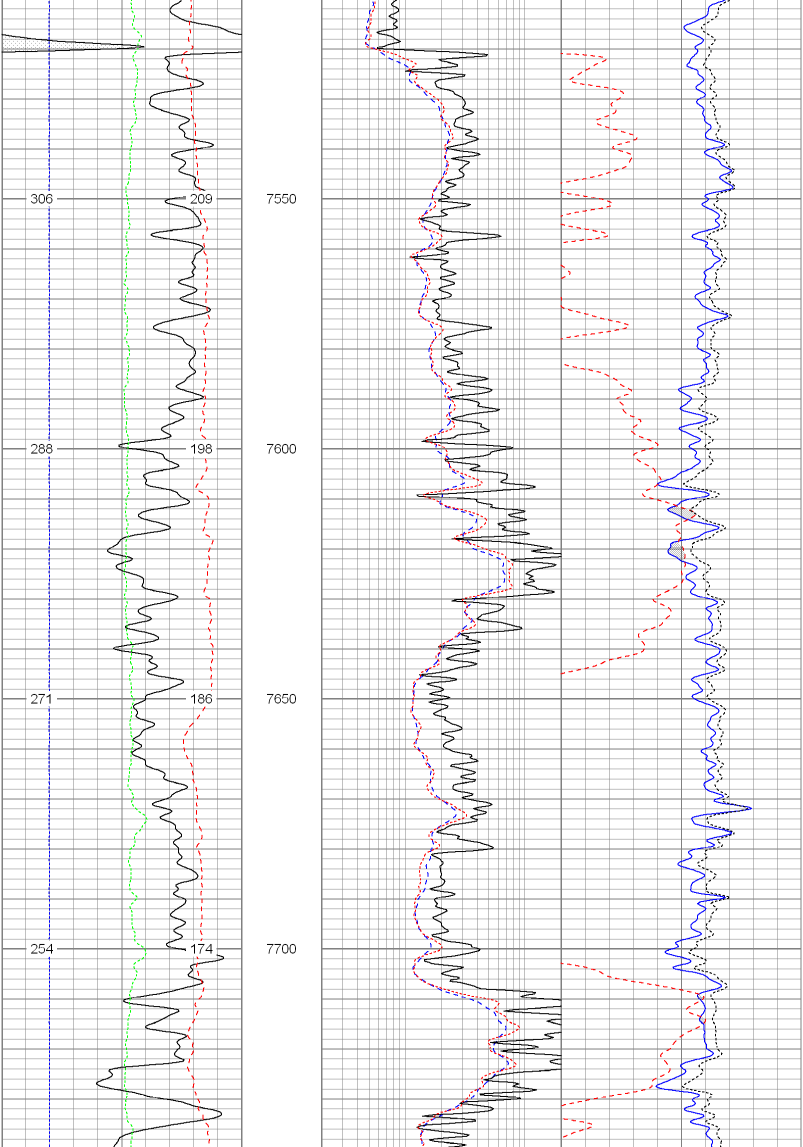
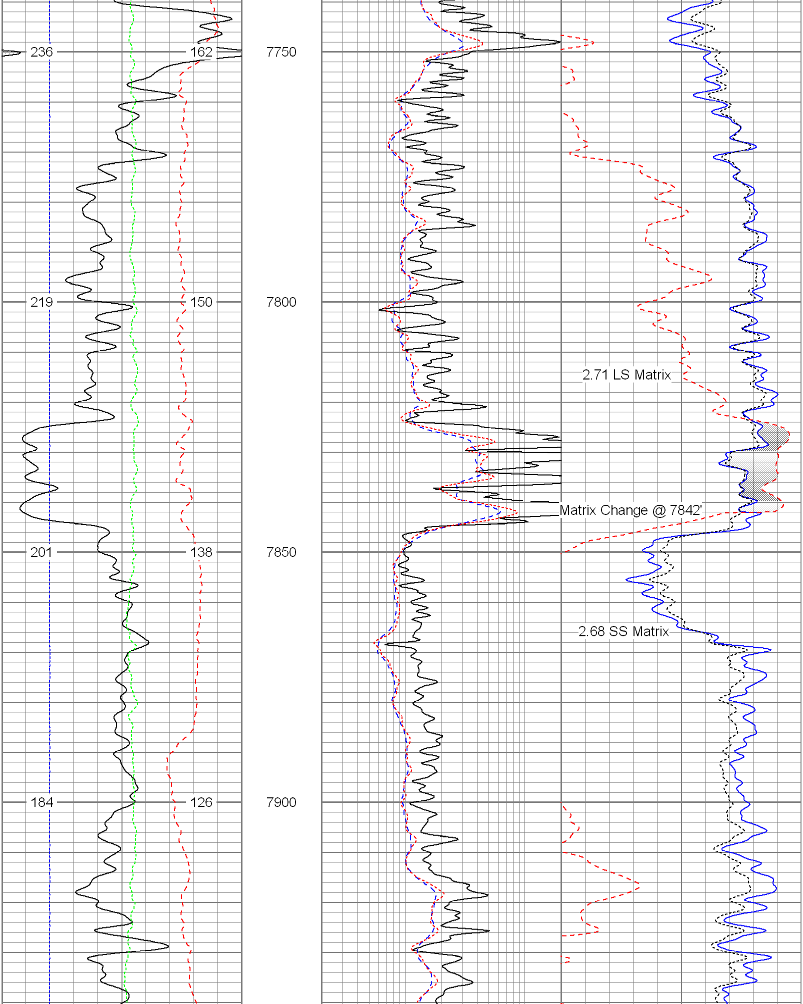
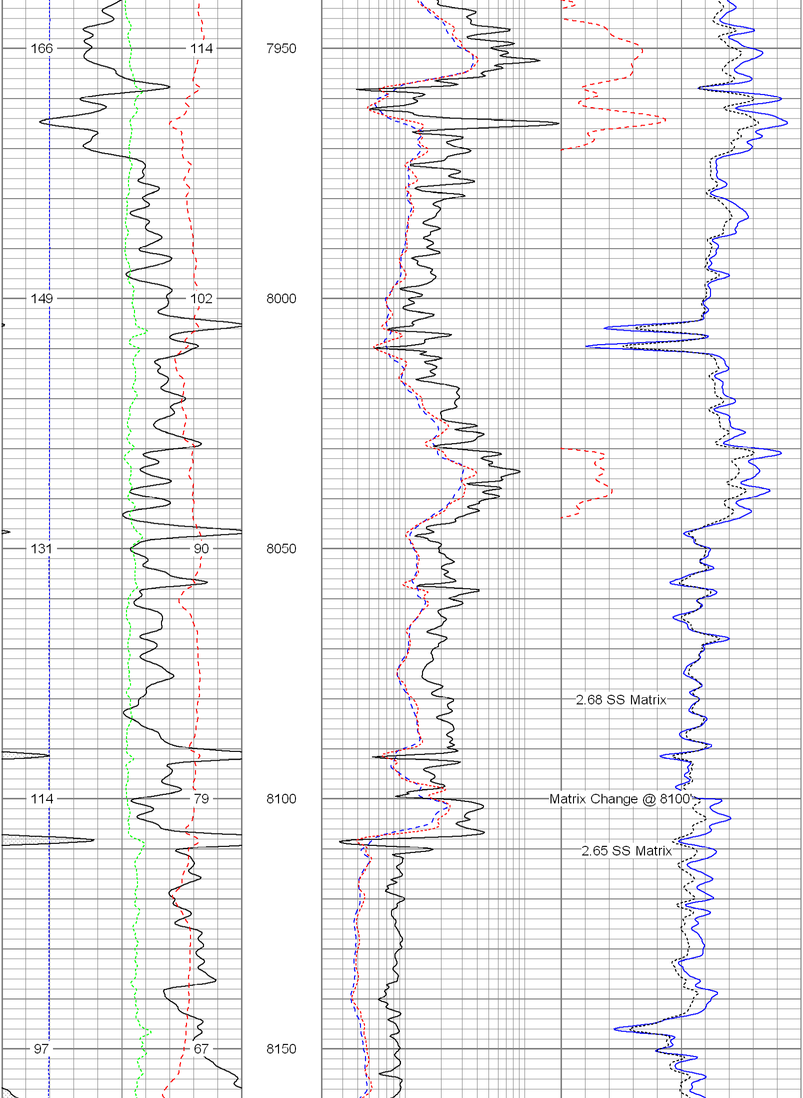
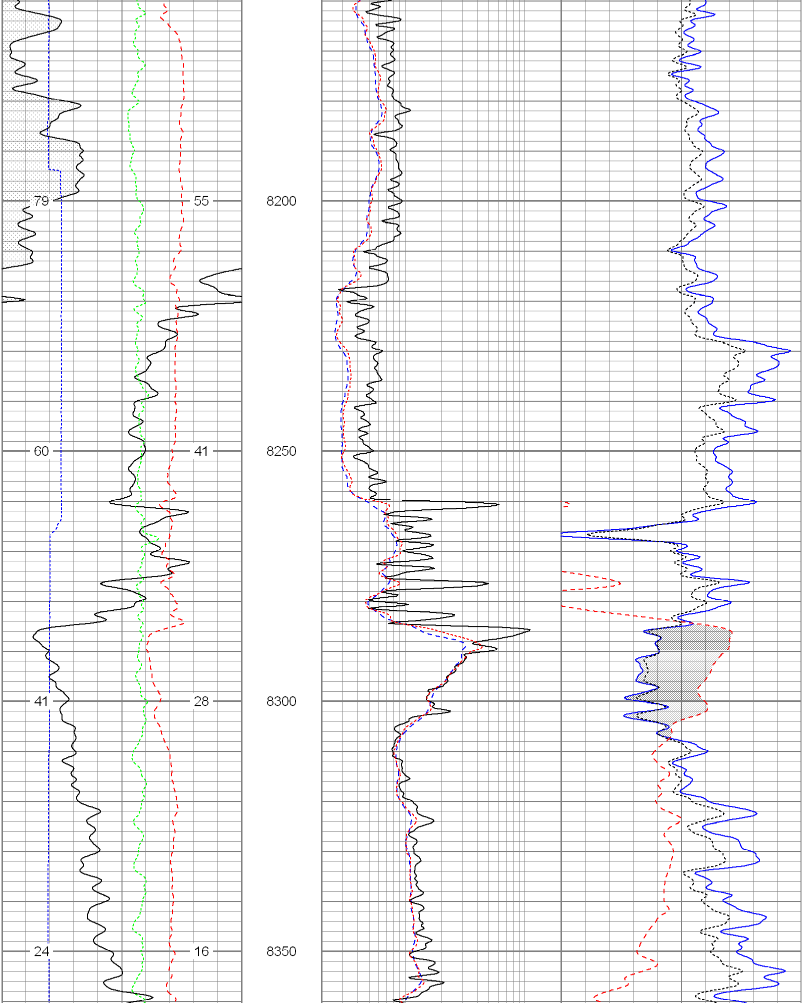
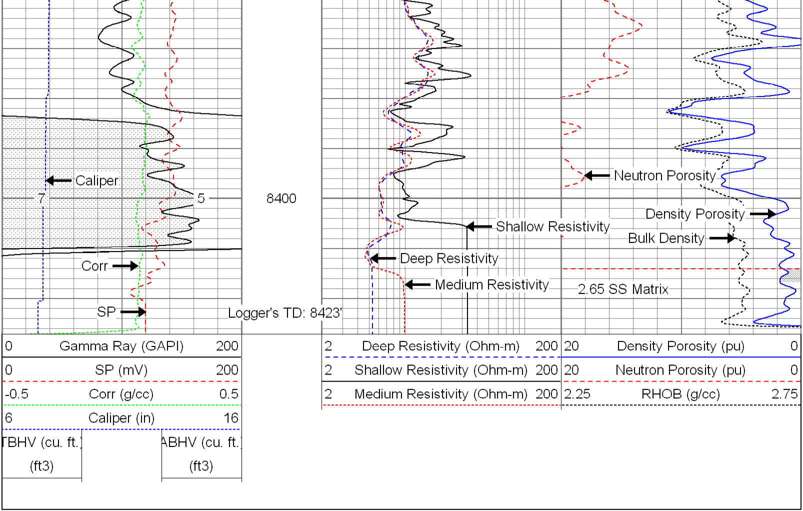




Database File:	10059.db
Dataset Pathname:	main
Presentation Format:	split20
Dataset Creation:	Sat Jun 27 14:35:02 2009
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200
0 SP (mV) 200
-0.5 Corr (g/cc) 0.5
6 Caliper (in) 16
TBHV (cu. ft.) (ft3)
ABHV (cu. ft.) (ft3)

2 Deep Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200

20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
2.25 RHOB (g/cc) 2.75