PHOENIX SURVEYS, INC.

DUAL INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company	K.P. Kaufman Company
Well	Hepp 31-32
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	1320' FNL & 200' FWL SW NW Sec. 32, Twp. 4N, Rge. 67W
Other Services	None

Company
Well
Field
County
State/Prv

Permanent Datum	GL	Elevation	5027	Elevation K.B. 5039 D.F. 5038 G.L. 5027
Log Measured From	KB			
Drilling Measured From	KB			

Date	March 18, 2008		
Run Number	1		
Depth Driller	8001		
Depth Logger	8001		
Bottom Logged Interval	8001		
Top Log Interval	Casing		
Casing Driller	728		
Casing Logger	728		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 65		
pH / Fluid Loss	9.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.72 @ 68° F		
Rmf @ Meas. Temp	2.79 @ 68° F		
Rmc @ Meas. Temp	4.65 @ 68° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.04 @ 221° F		
Time Circulation Stopped	1515 3/17		
Time Logger on Bottom	0430		
Maximum Recorded Temperature	221° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Eric Christensen		
Witnessed By	Rick Ohlemeier	Mark Scanniello	

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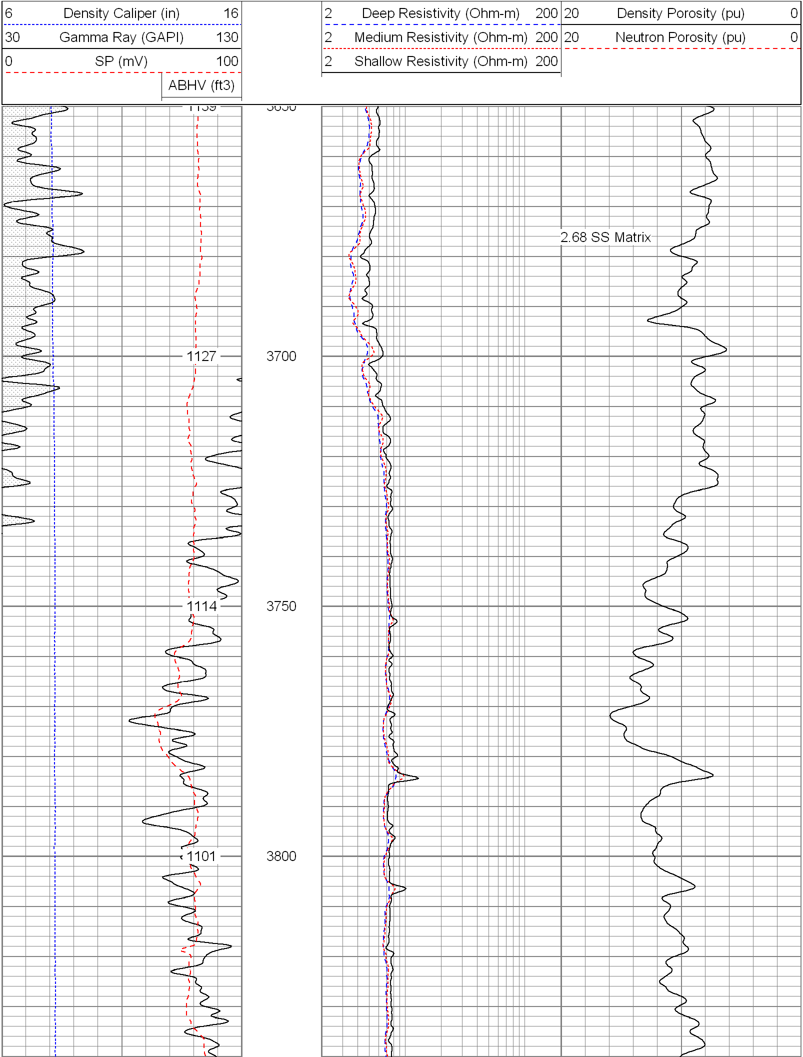
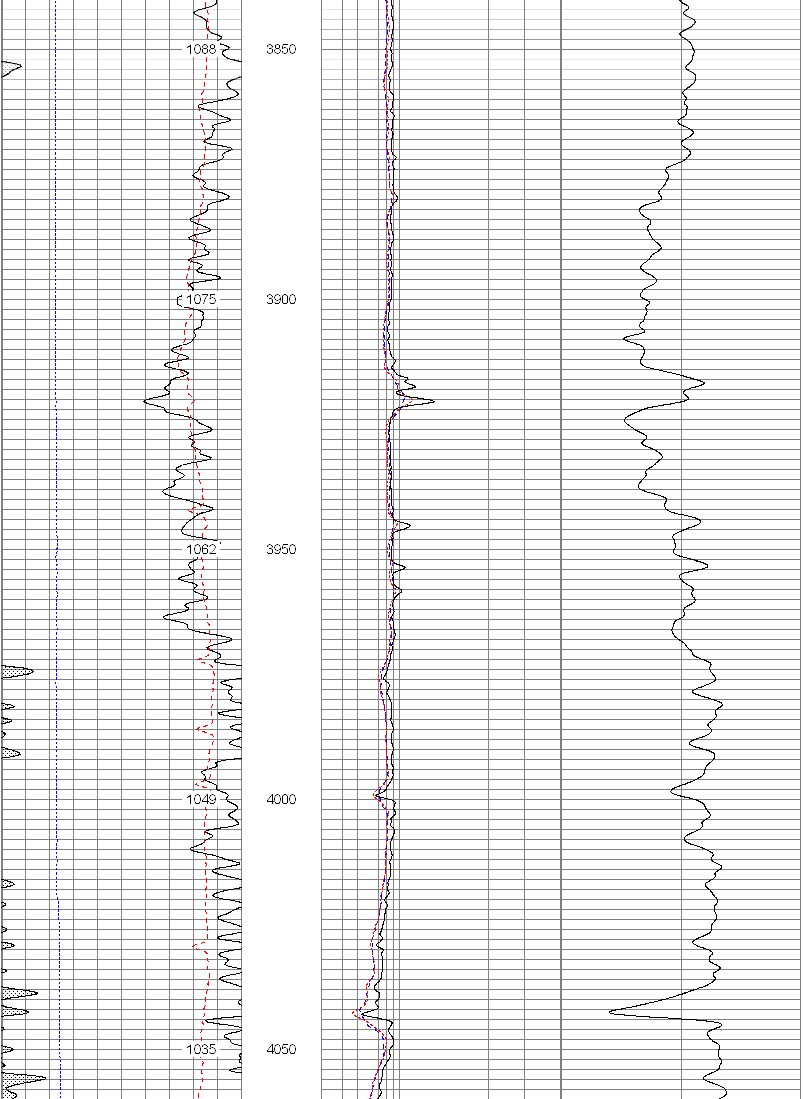
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

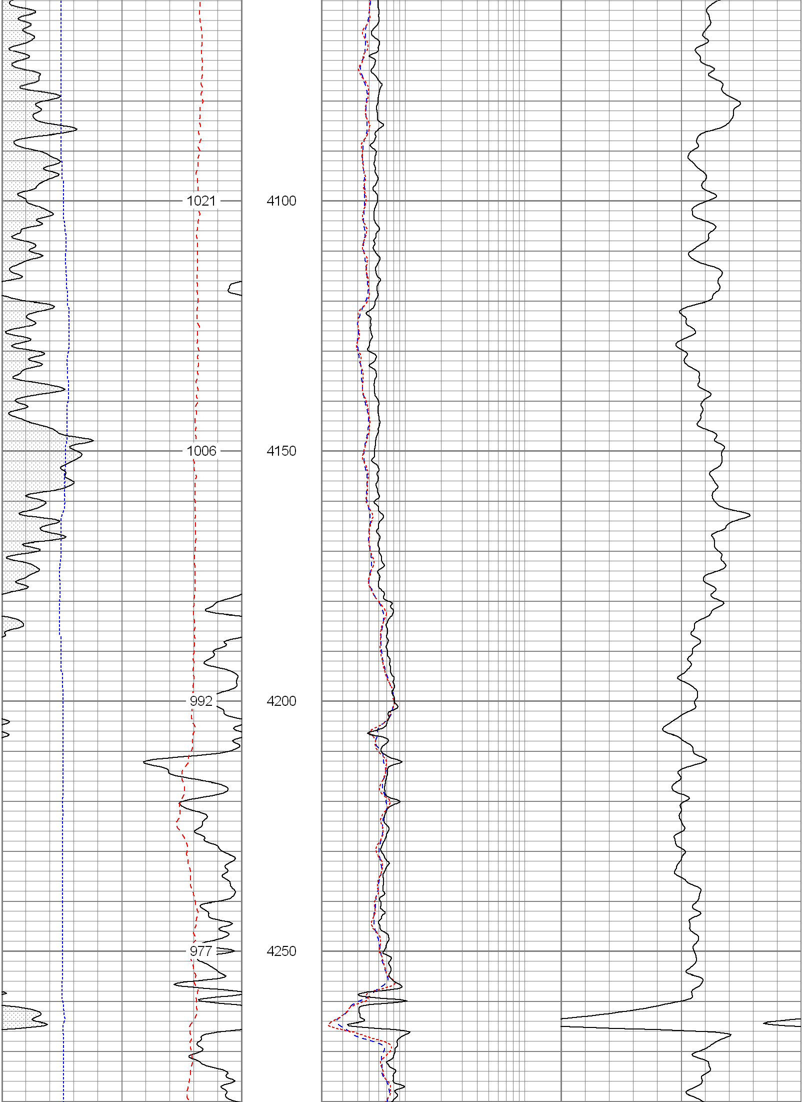
Comments

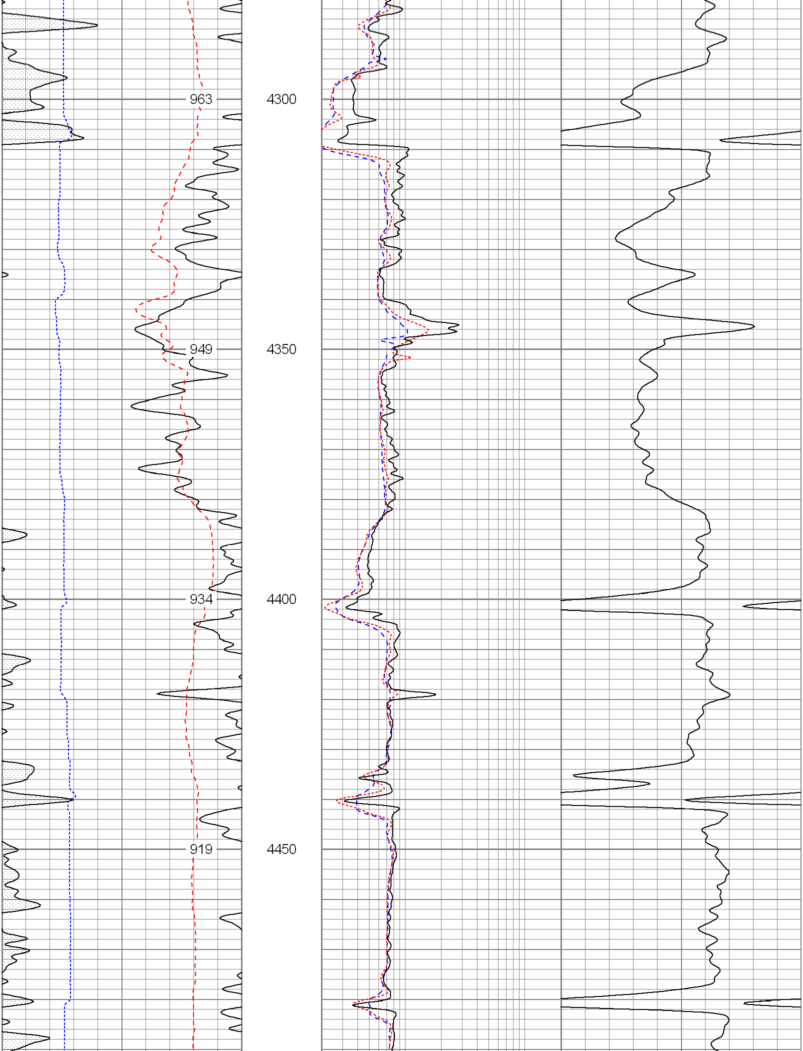
Annular volume calculated for 4.5" casing
KPK Drilling Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-25314-00

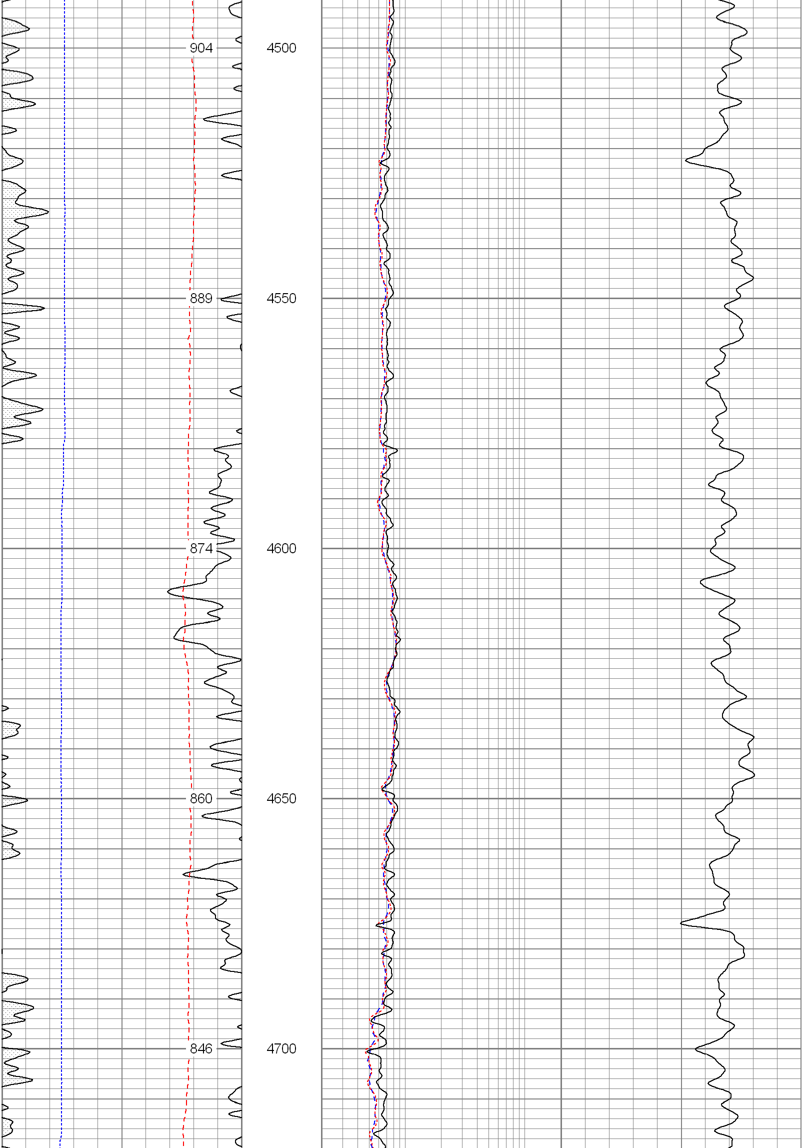
Database File: 8508.db
Dataset Pathname: pass3
Presentation Format: pdc1
Dataset Creation: Tue Mar 18 04:40:09 2008 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240

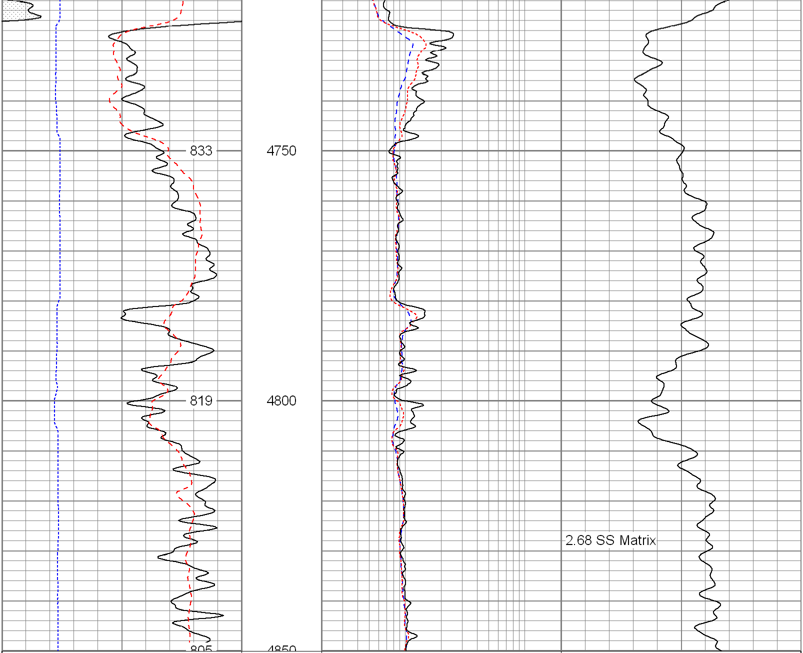












6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
0	SP (mV)	100
	ABHV (ft3)	

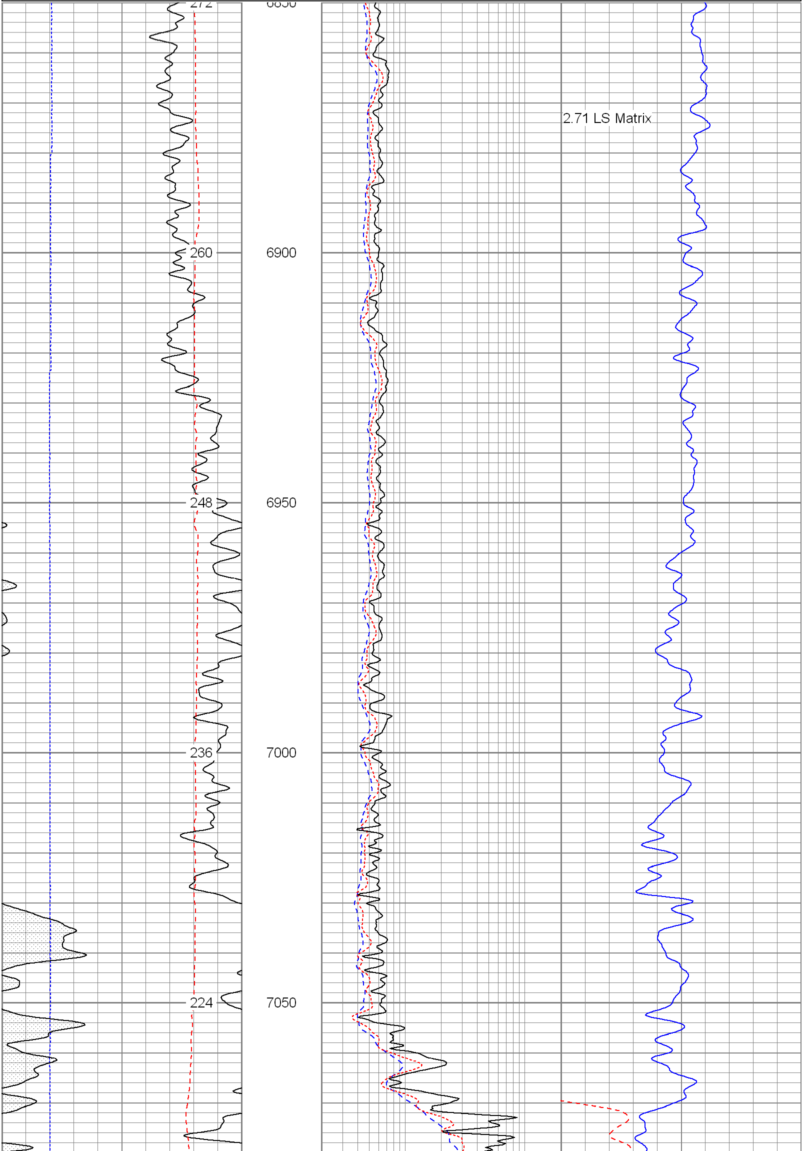
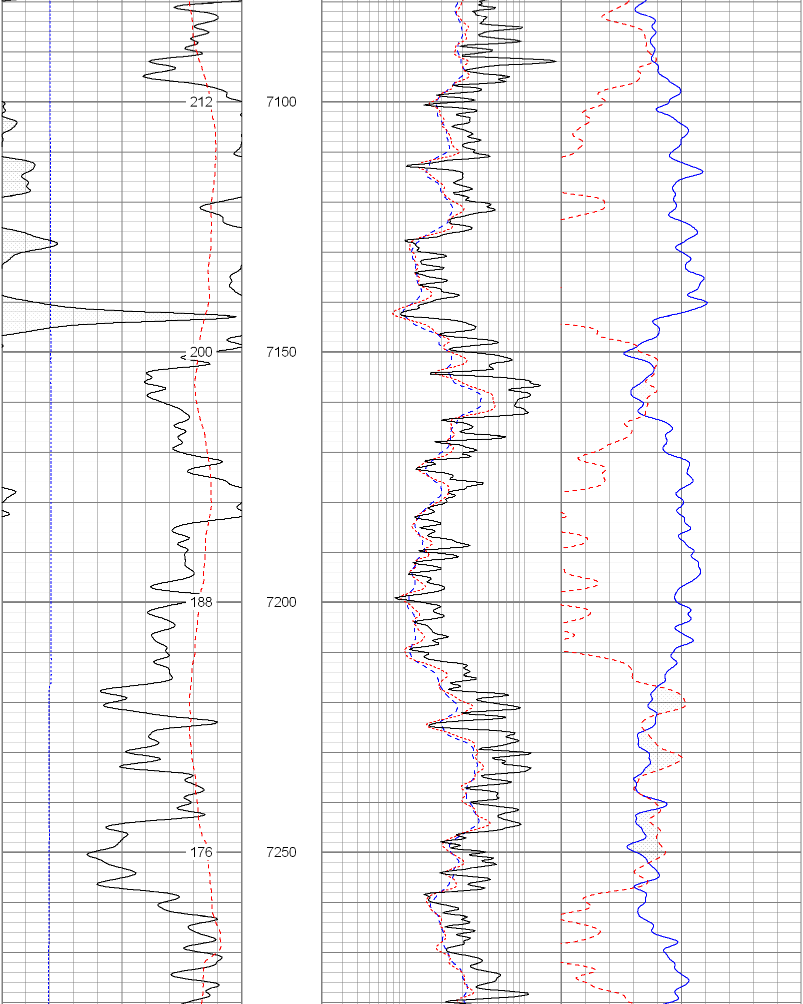
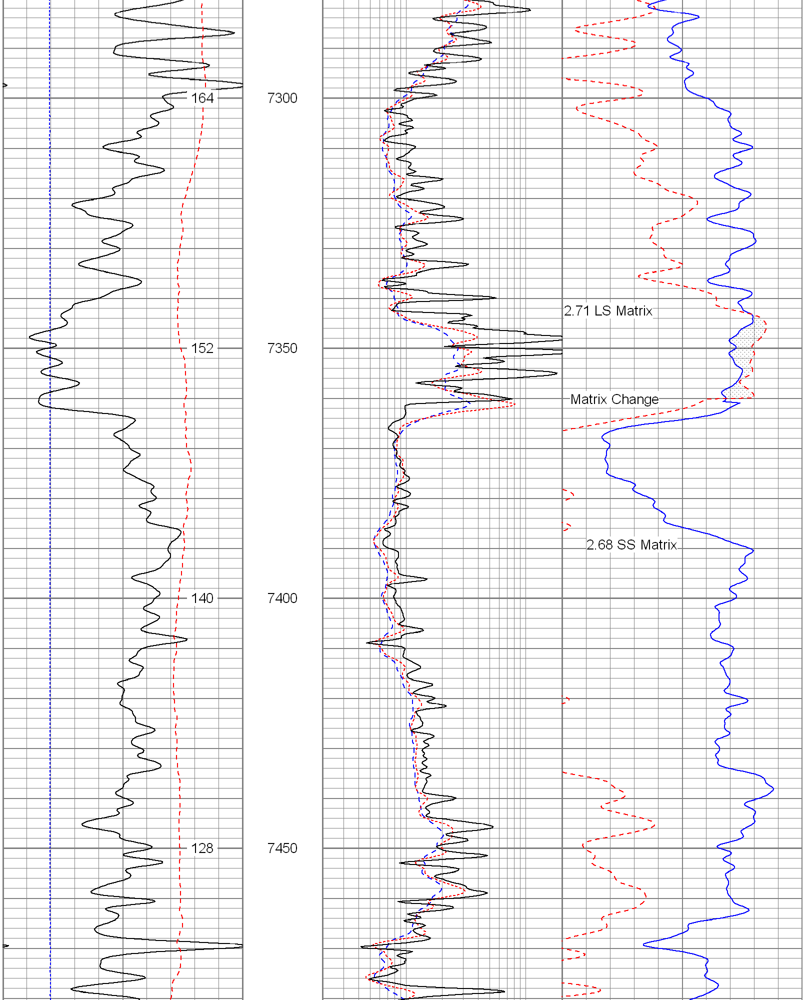
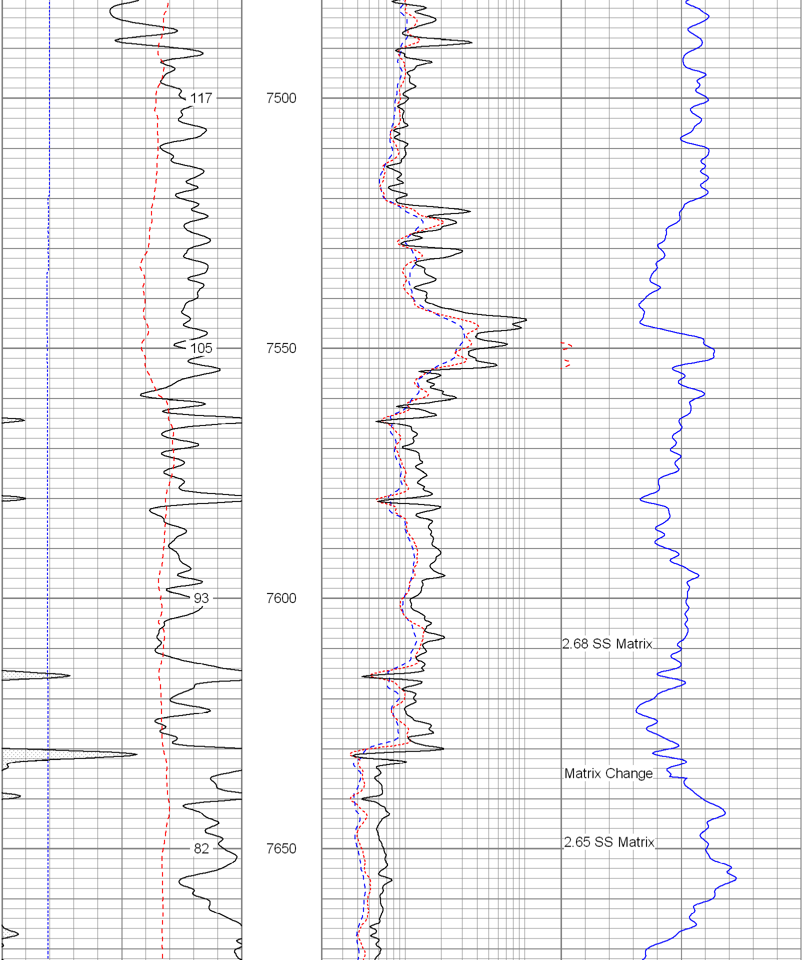
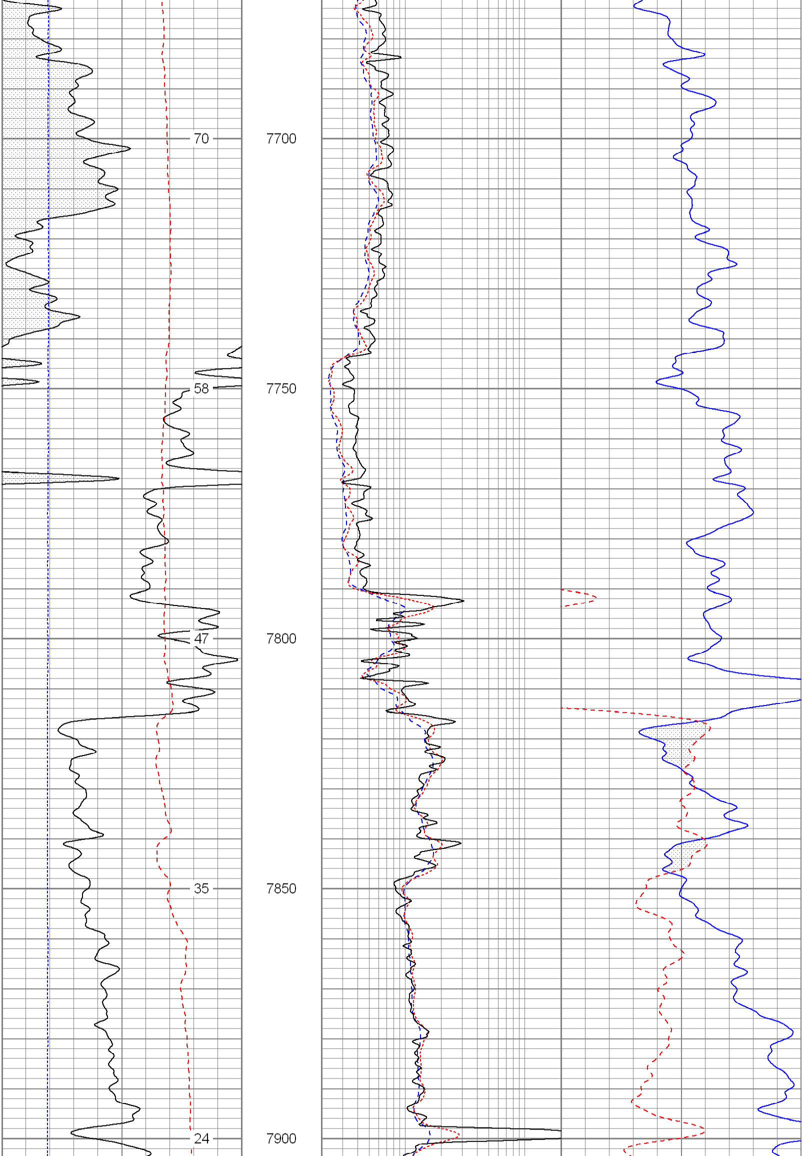
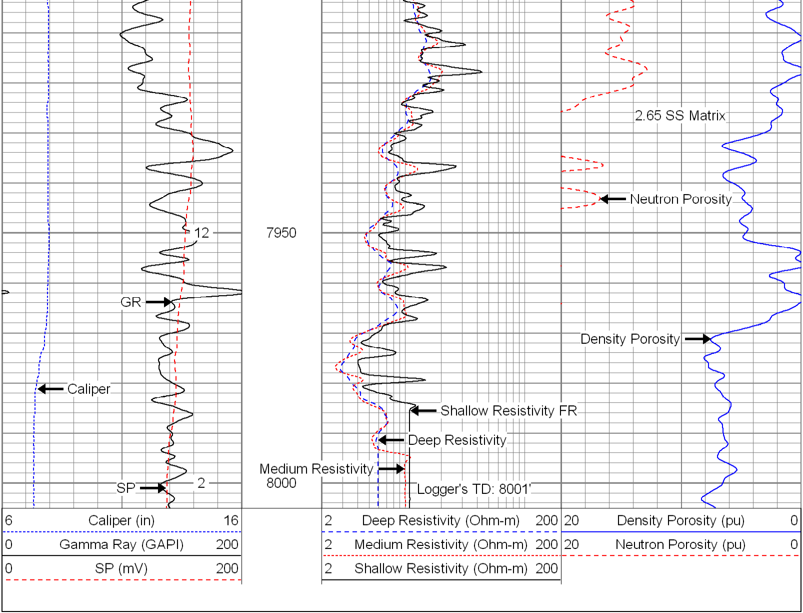
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0

Database File: 8508.db
Dataset Pathname: final
Presentation Format: pdc
Dataset Creation: Tue Mar 18 05:14:42 2008
Charted by: Depth in Feet scaled 1:240

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

20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0