PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company Bonanza Creek Operating Co. LLC
Well North Platte 21-24
Field Wattenberg
County Weld **State/Province** Colorado

Location
660' FNL & 1978' FWL
NE NW
Sec. 24, Twp. 5N, Rge. 63W

Other Services
None

Elevation
K.B. 4618
D.F. 4617
G.L. 4606

Permanent Datum	GL	Elevation	4606
Log Measured From	KB		
Drilling Measured From	KB		

Date	September 21, 2008		
Run Number	1		
Depth Driller	6726		
Depth Logger	6725		
Bottom Logged Interval	6725		
Top Log Interval	Casing		
Casing Driller	373		
Casing Logger	373		
Bit Size	7-7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	8.7 / 53		
pH / Fluid Loss	10.0 / 12.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.28 @ 87° F		
Rmf @ Meas. Temp	2.62 @ 87° F		
Rmc @ Meas. Temp	3.98 @ 87° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.18 @ 213° F		
Time Circulation Stopped	13:00		
Time Logger on Bottom	20:15		
Maximum Recorded Temperature	213° F		
Equipment Number	4078		
Location	Brighton, CO		
Recorded By	Jeff Loose		
Witnessed By	Steve Wolfe	Bill Simons	

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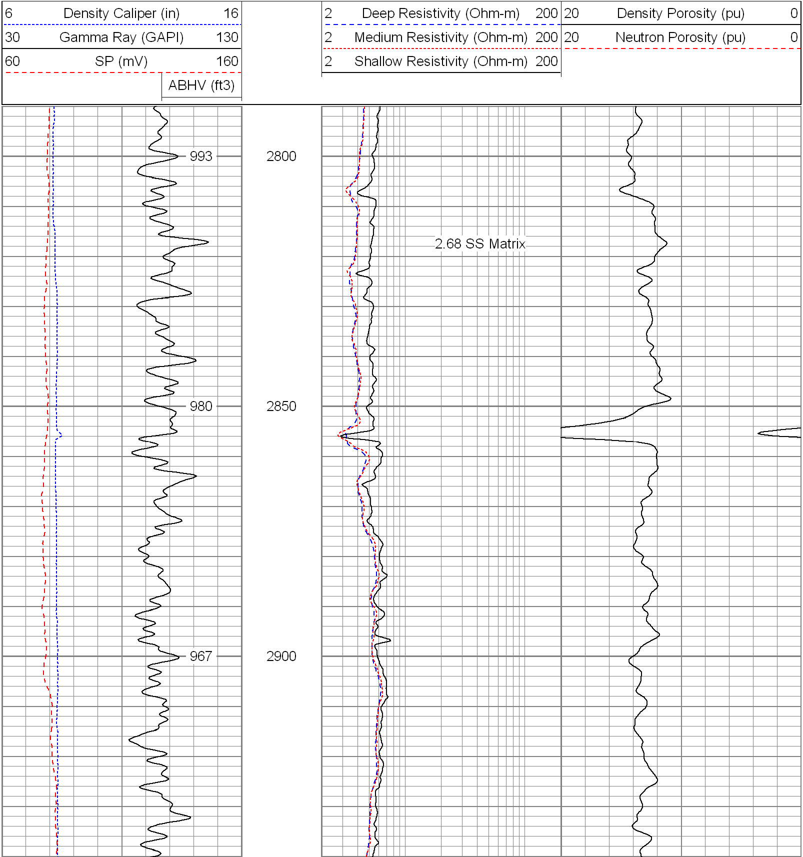
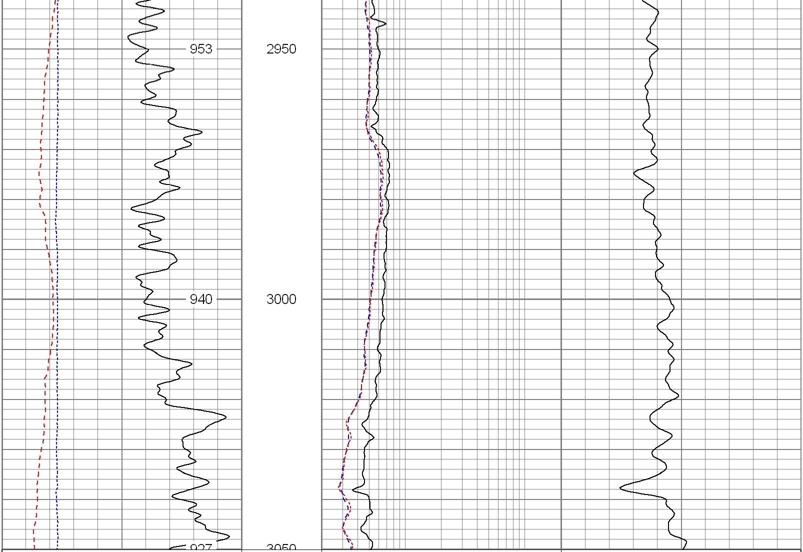
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Mid Continent Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-25831-00

Database File:	9123.db
Dataset Pathname:	pass3
Presentation Format:	pdc1
Dataset Creation:	Sun Sep 21 20:26:49 2008 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240





6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
60	SP (mV)	160
	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

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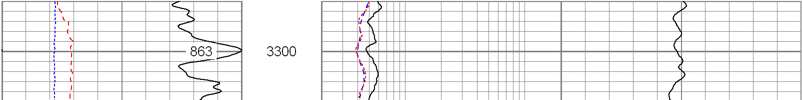

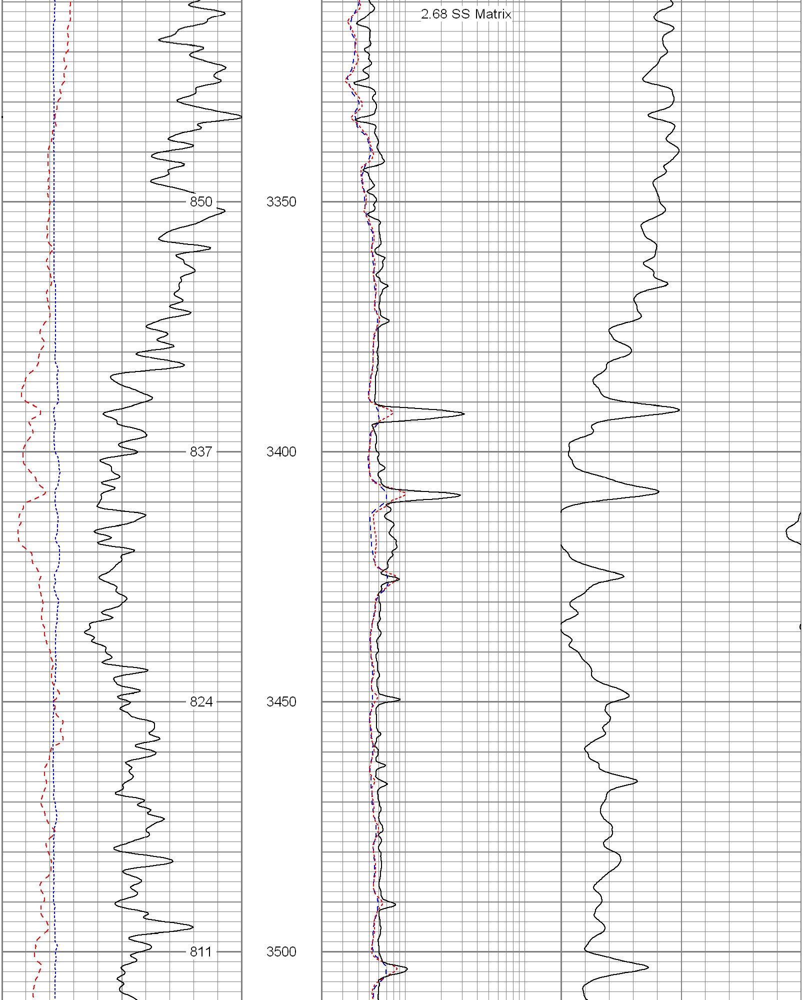

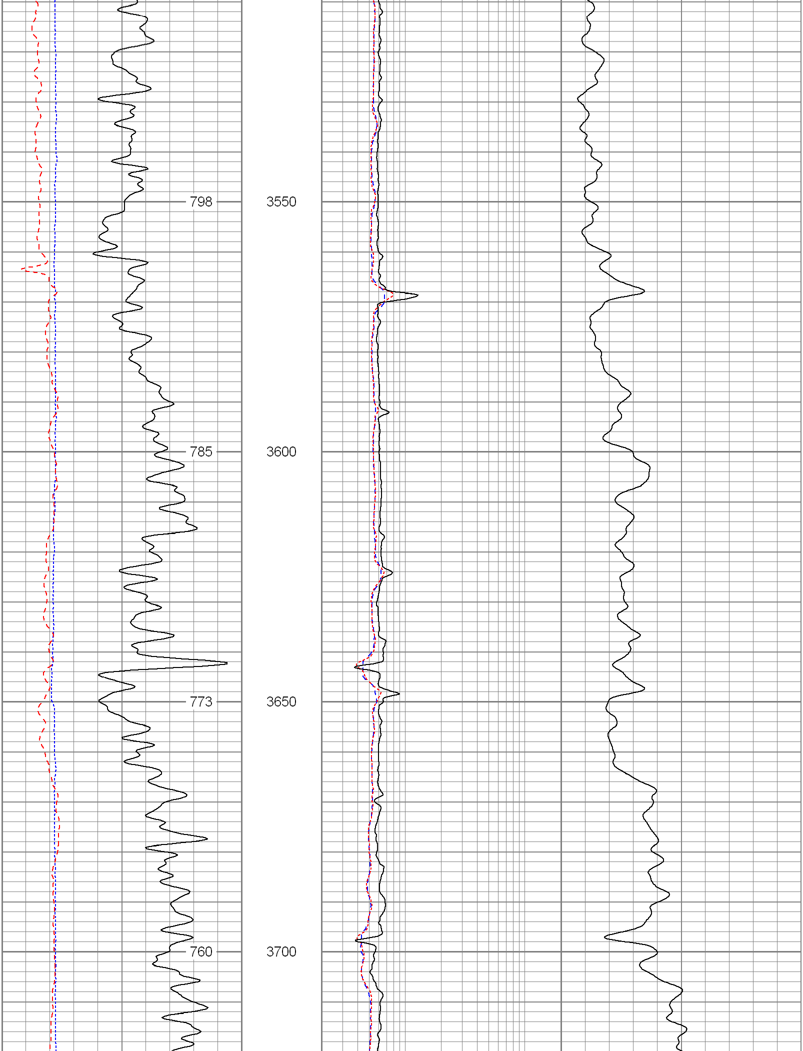

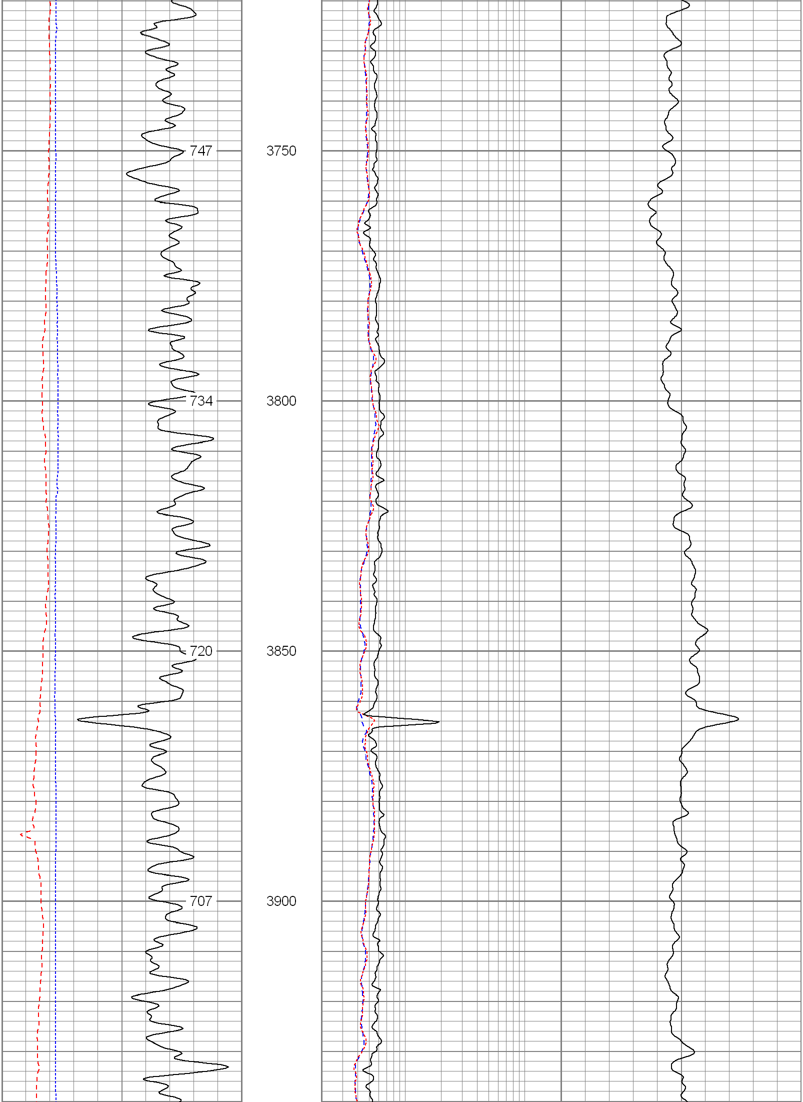

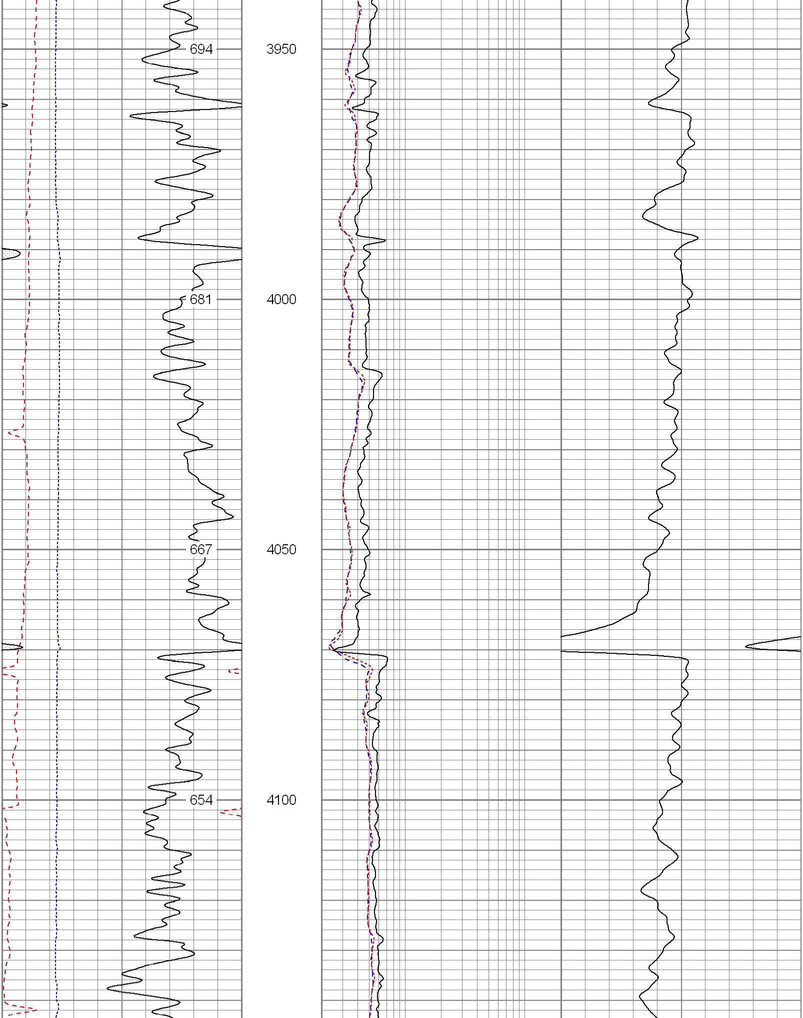

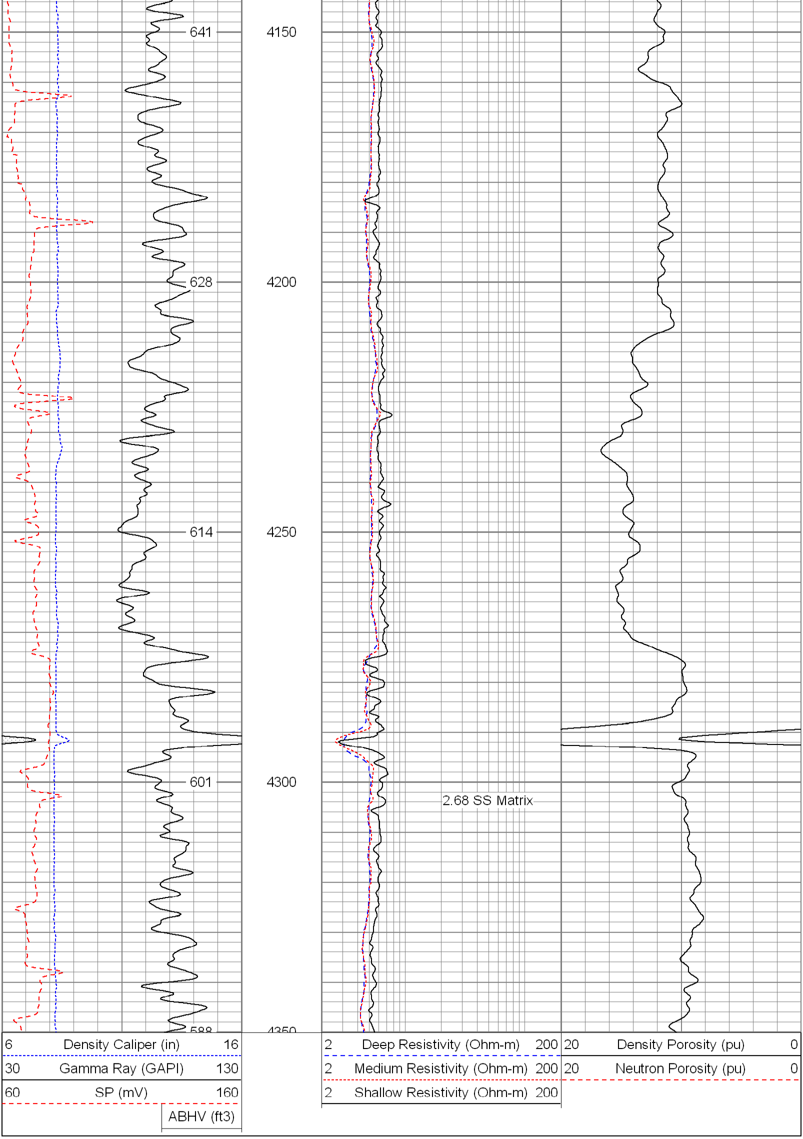

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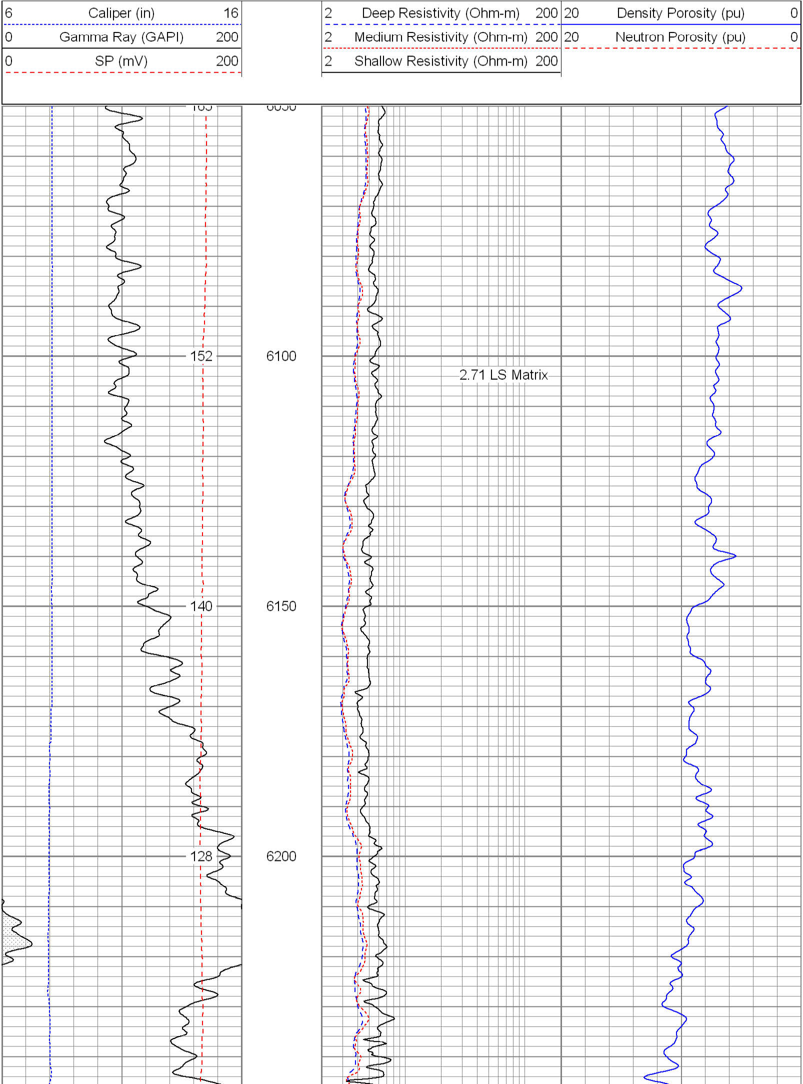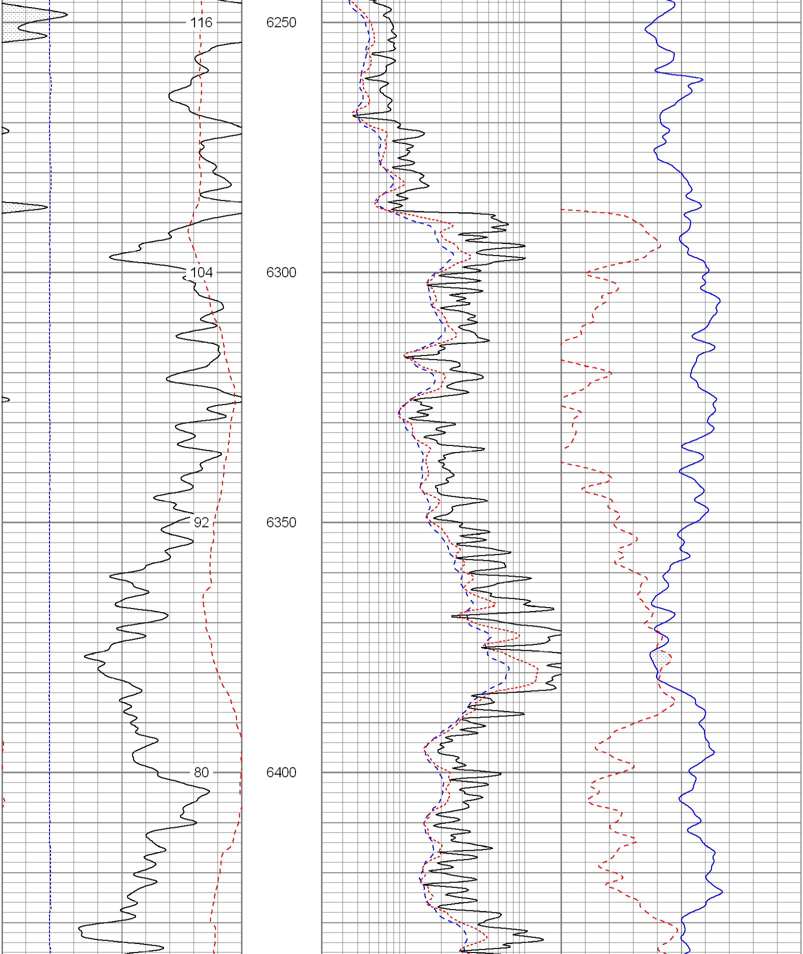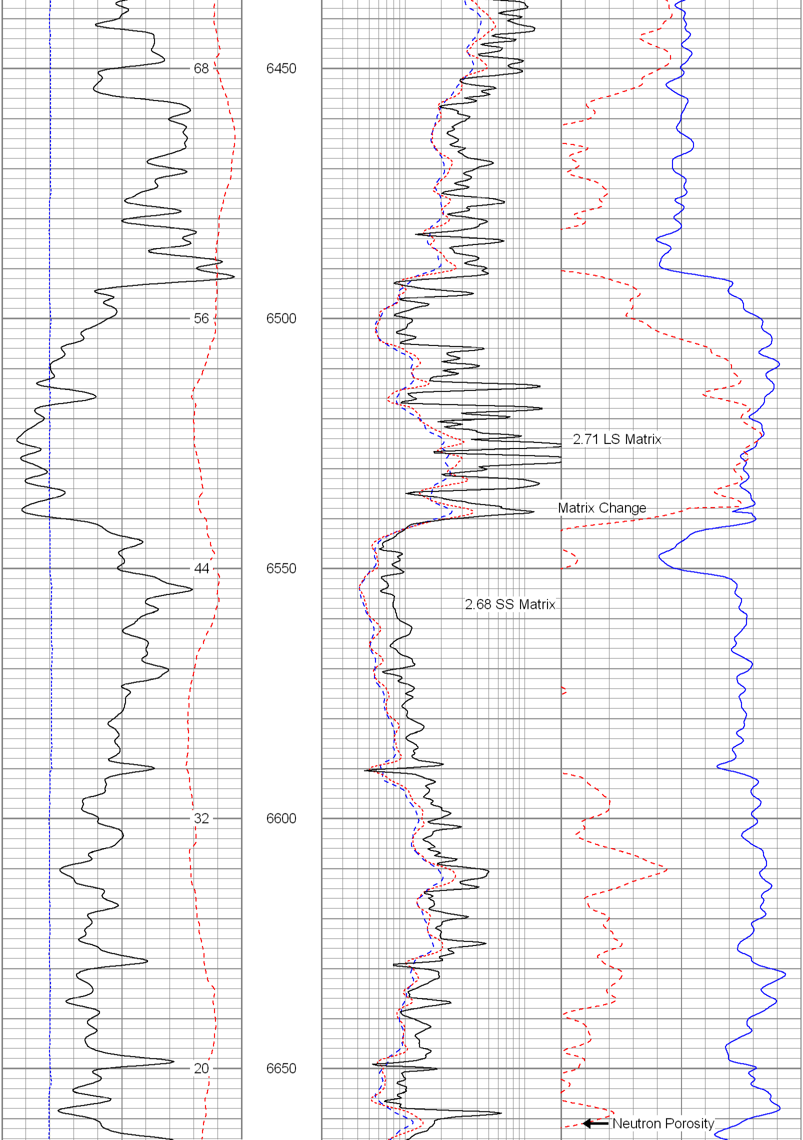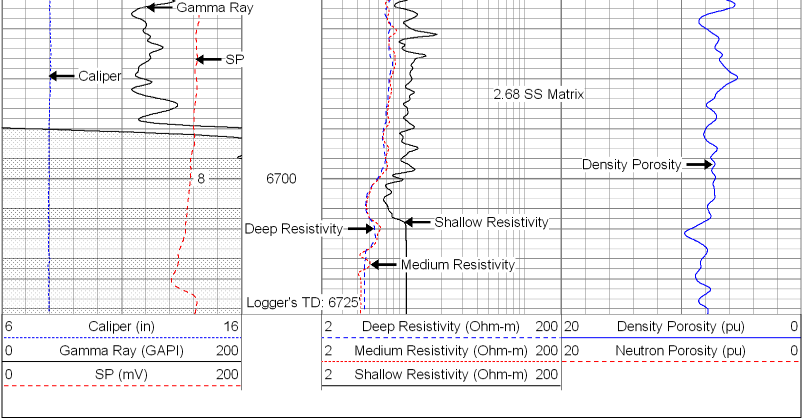
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0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
152
6100
2.71 LS Matrix
140
6150
128
6200