PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas LLC
Well	Appaloosa 33-13
Field	Eaton
County	Weld
State/Province	Colorado

Location
SHL: 1455' FSL & 1536' FWL NESW
BHL: 1934' FSL & 679' FWL NWSW
Sec 33, Twp - 7N, Rge - 65W

Other Services
High
Resolution
Induction

Permanent Datum	GL	Elevation	4787
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4803
D.F. 4802
G.L. 4787

Date	June 3, 2011		
Run Number	1		
Depth Driller	7439		
Depth Logger	7439		
Bottom Logged Interval	7419		
Top Log Interval	2800		
Casing Driller	578		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 51		
pH / Fluid Loss	8.0 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 85 F		
Rmf @ Meas. Temp	2.30 @ 85 F		
Rmc @ Meas. Temp	3.75 @ 85 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.20 @ 205 F		
Time Circulation Stopped	2300		
Time Logger on Bottom	1145		
Maximum Recorded Temperature	205 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Shaun Schuman	Josh Gorney	
Witnessed By	Jay Pape	Mark Scanniello	

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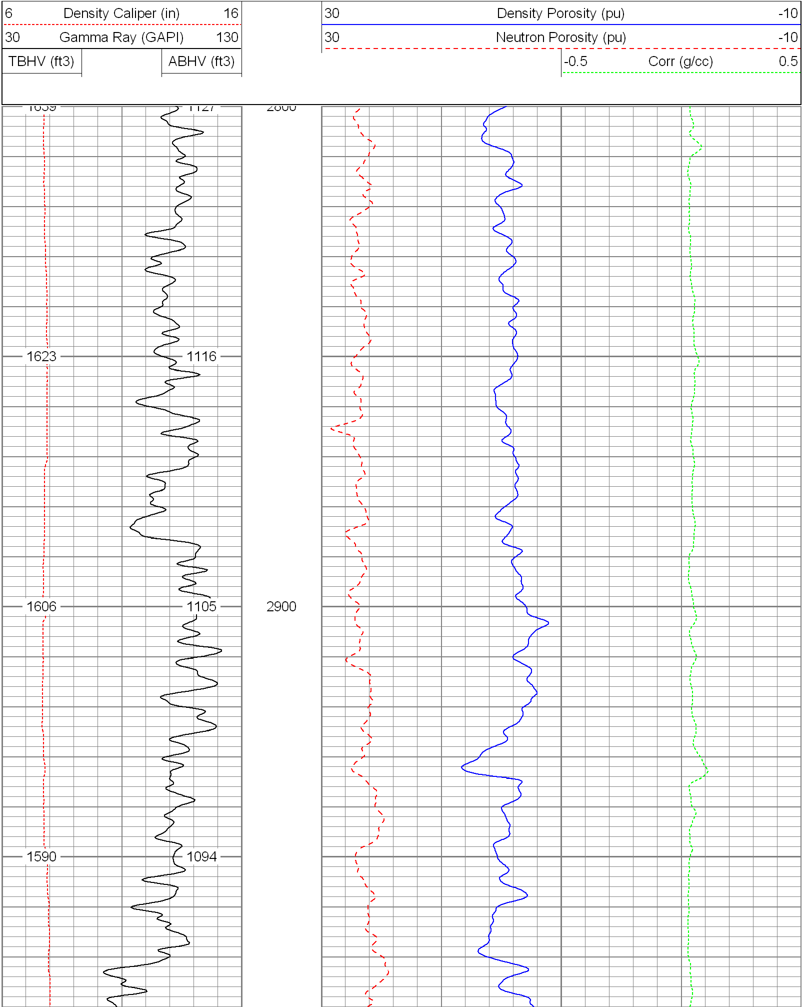
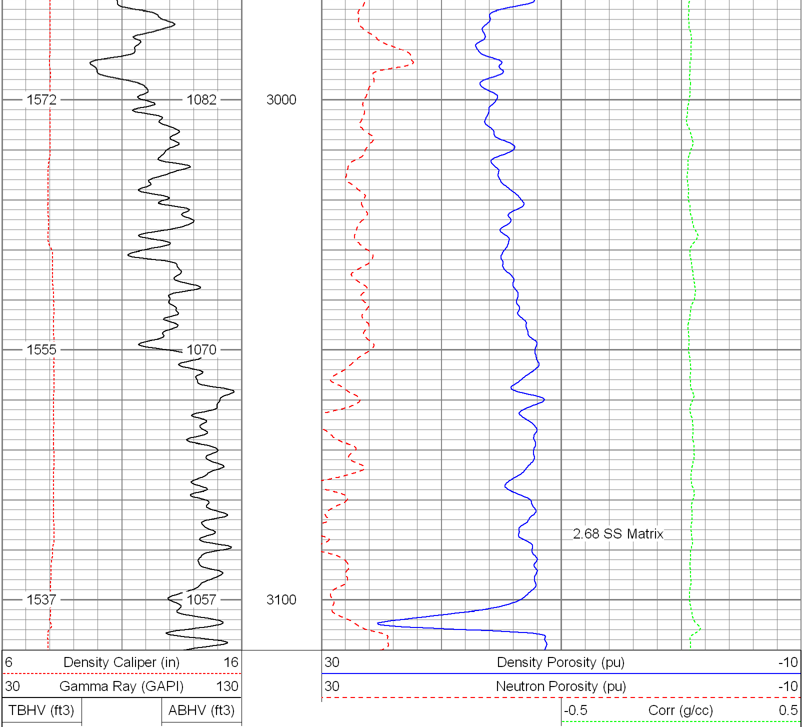
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Ensign Drilling Rig 7
Thank you for using Phoenix Surveys.
API #: 05-123-33003

Database File:	11779.db
Dataset Pathname:	main
Presentation Format:	poro1
Dataset Creation:	Fri Jun 03 13:04:16 2011
Charted by:	Depth in Feet scaled 1:240





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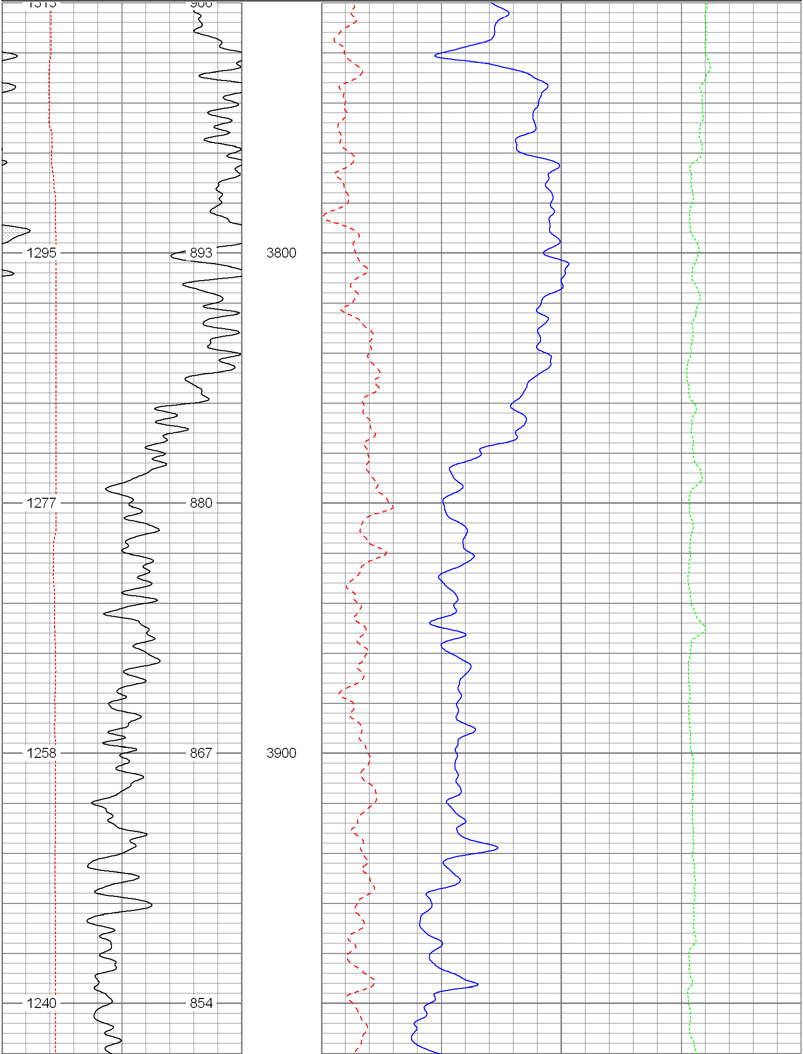
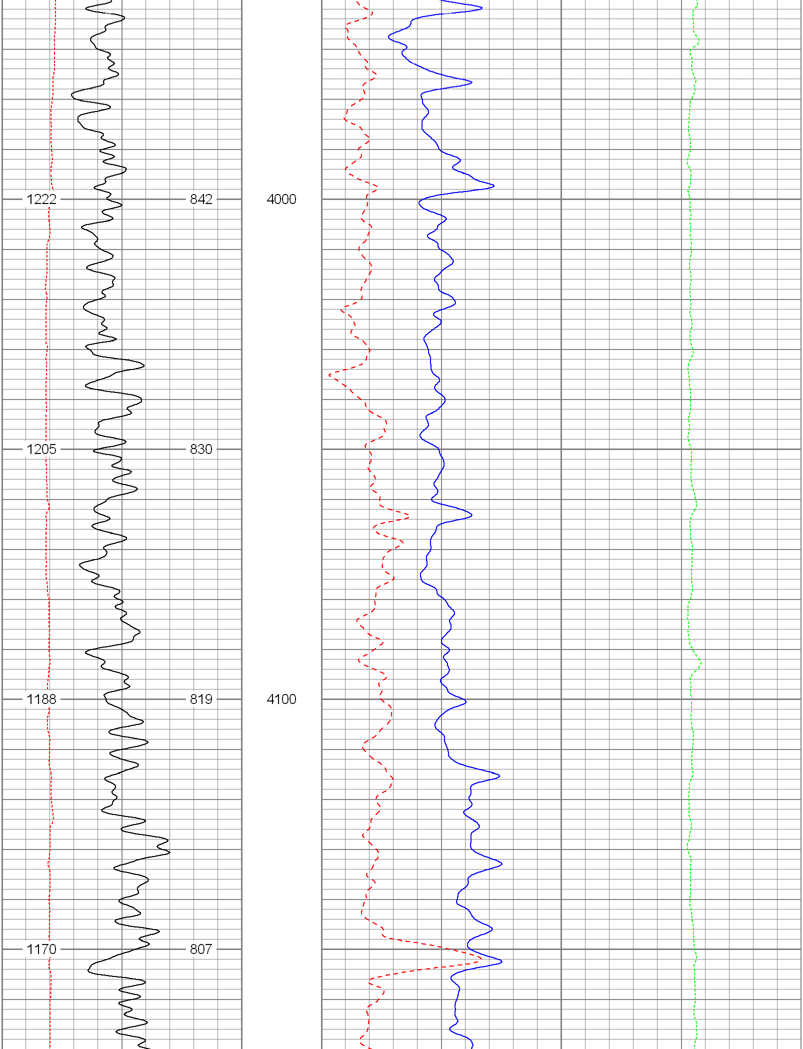
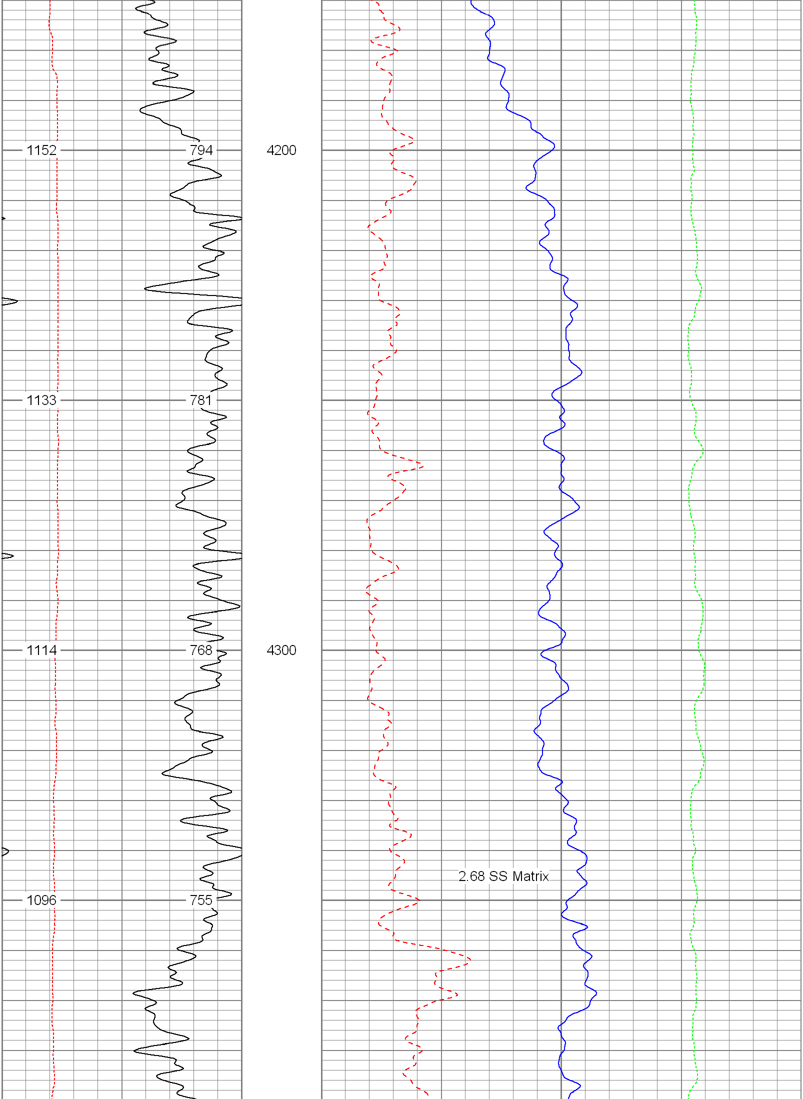
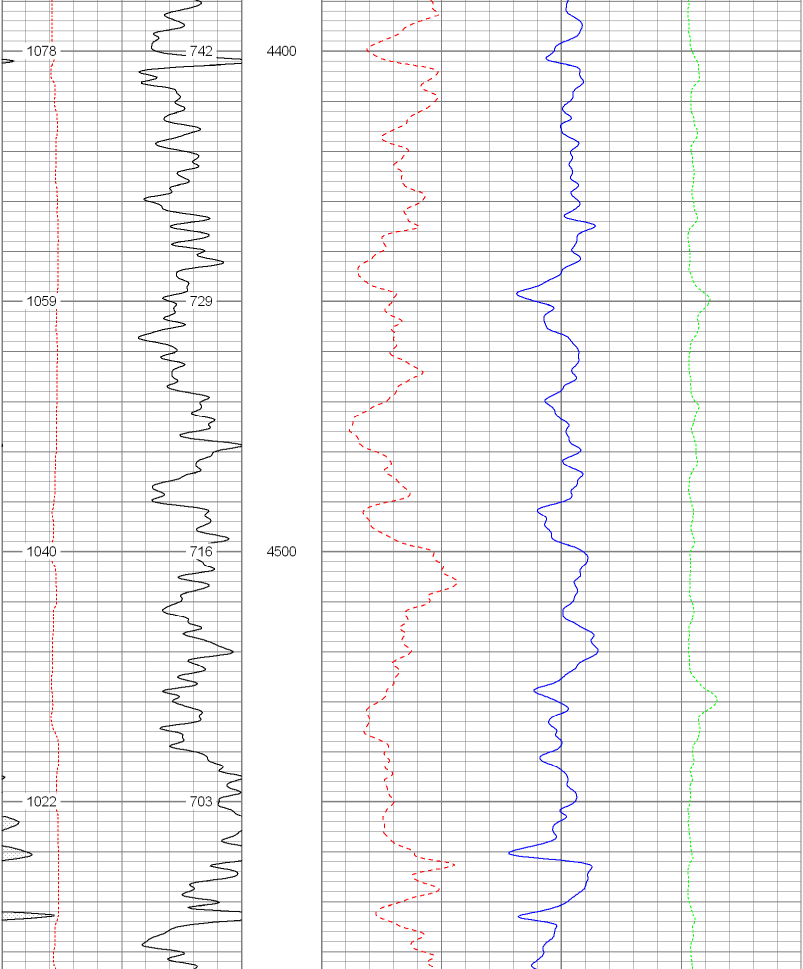
6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
TBHV (ft3) ABHV (ft3)

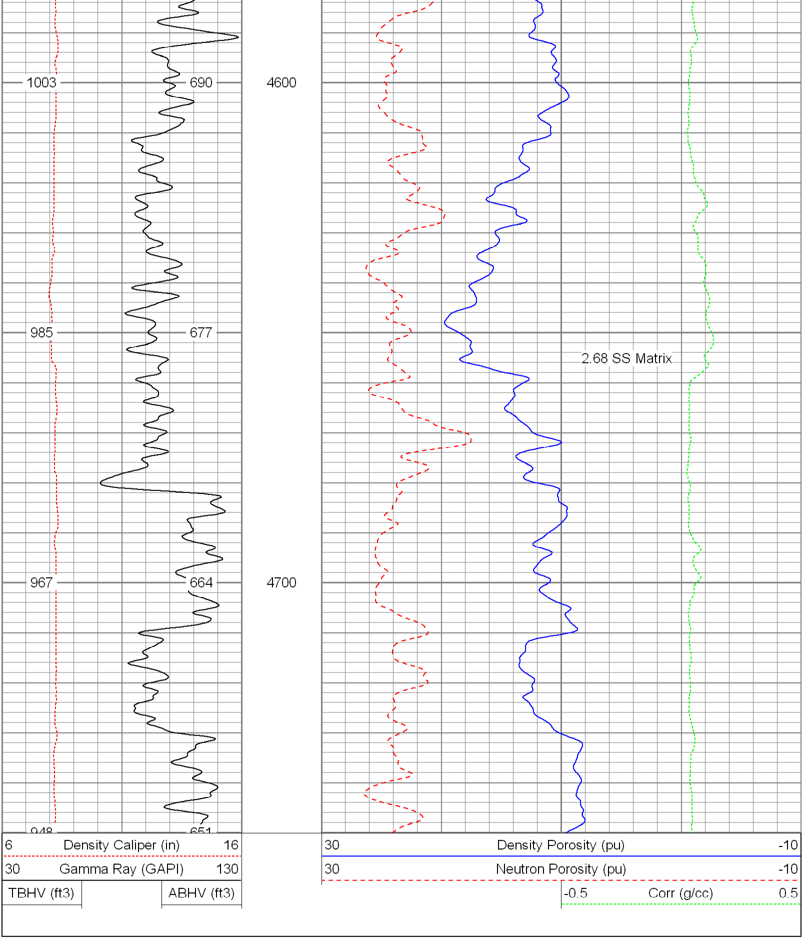
30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Corr (g/cc) 0.5











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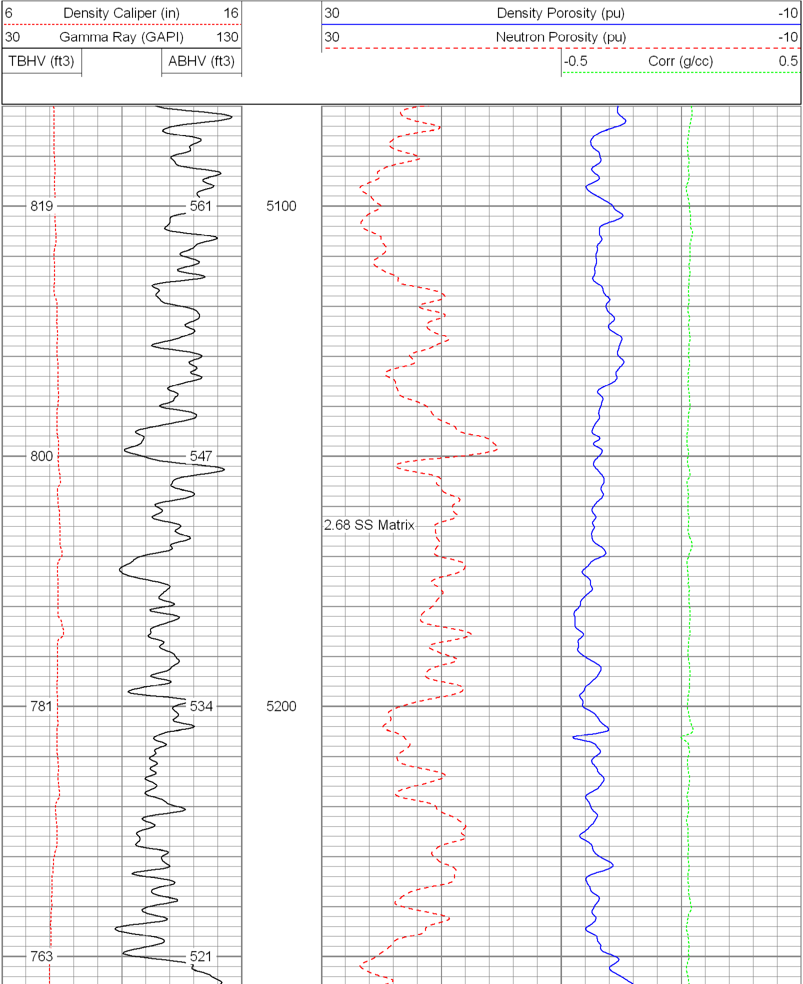

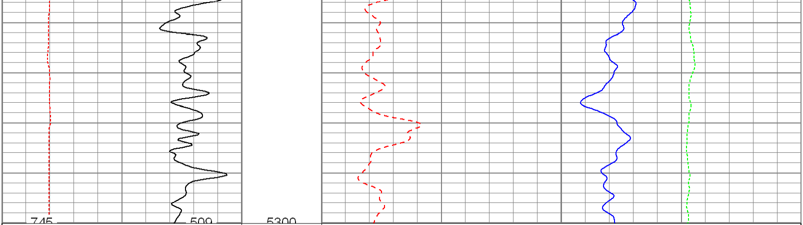

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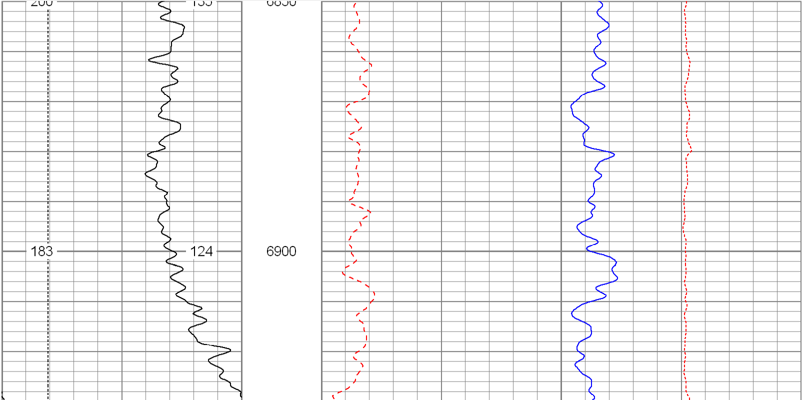
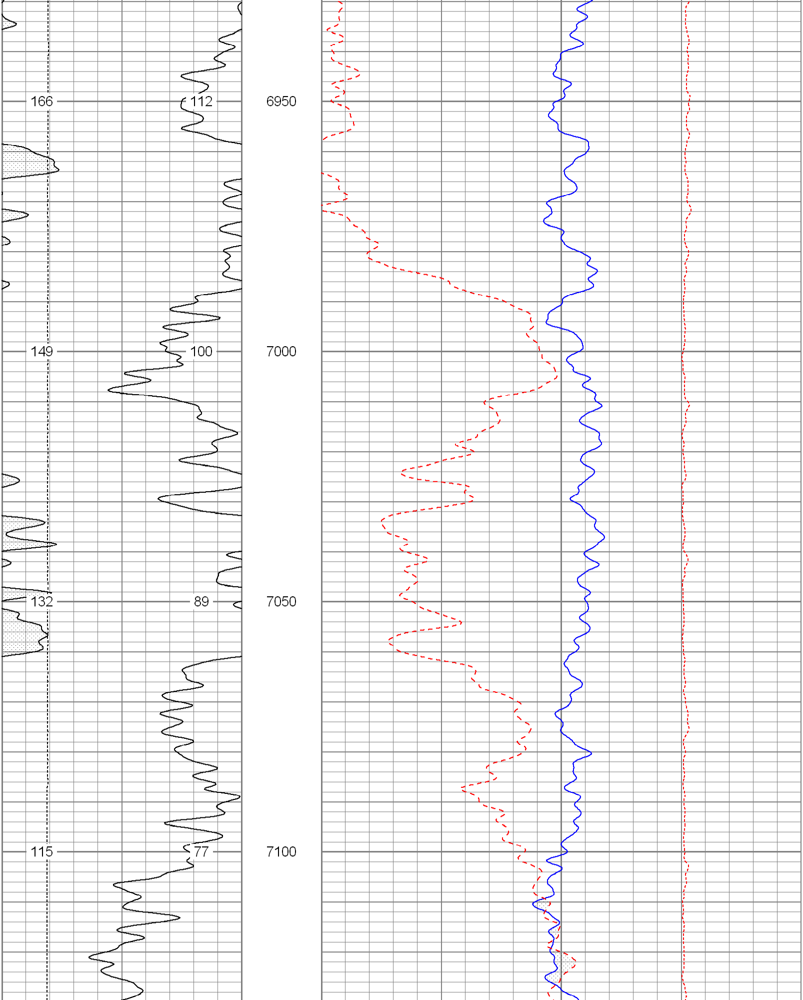
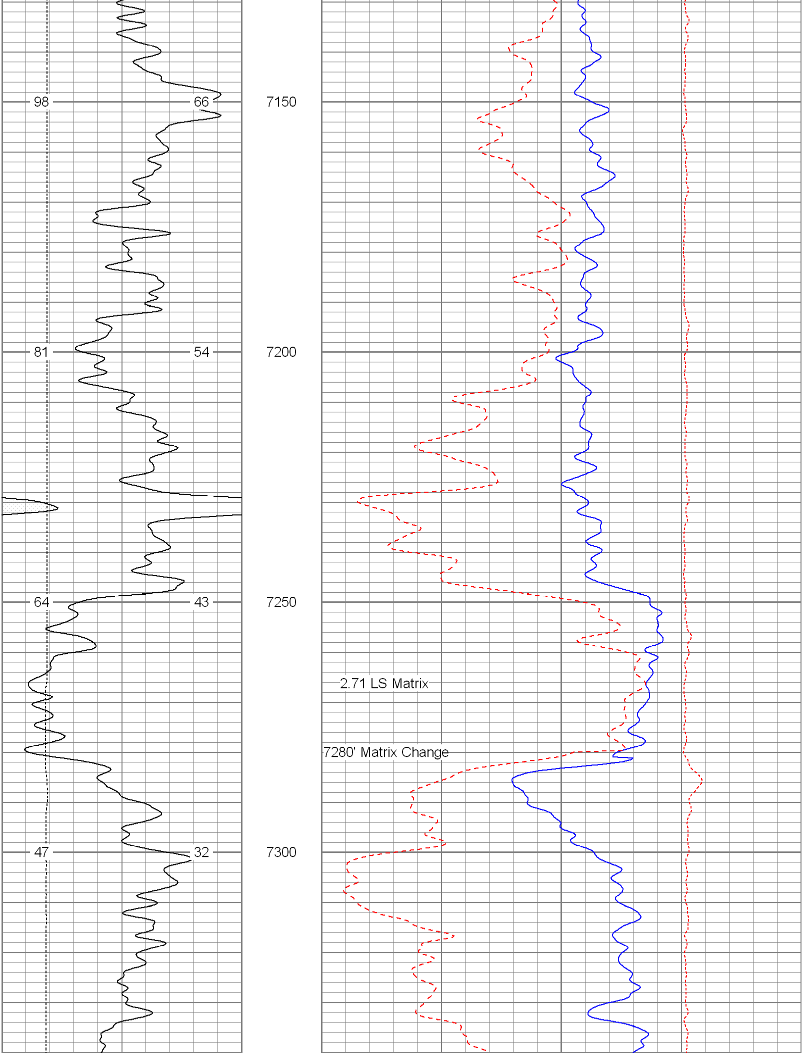
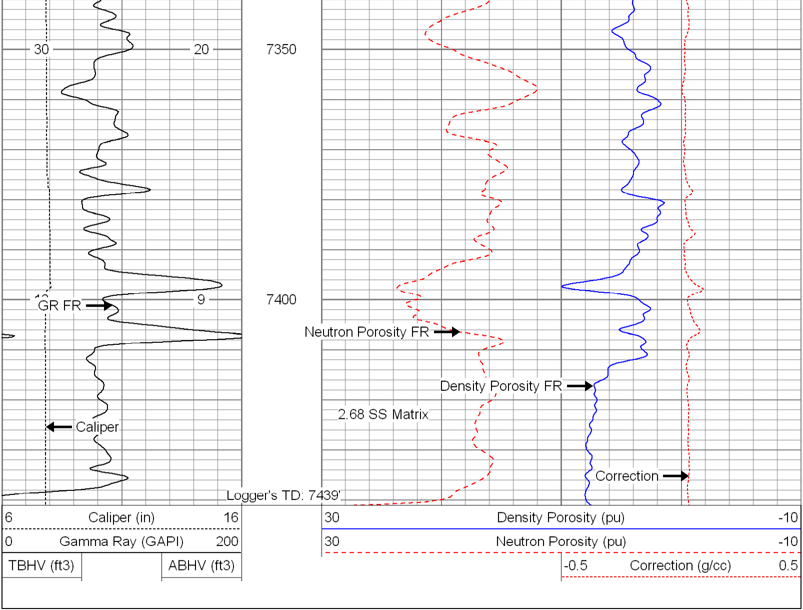
Presentation Format:	poro
Dataset Creation:	Fri Jun 03 13:04:16 2011
Charted by:	Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
TBHV (ft3)
ABHV (ft3)

30 Density Porosity (pu) -10
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