PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company
Well
Field
County
State/Prv

Company Great Western Oil & Gas LLC
Well Great Western 27-21
Field Wildcat
County Weld **State/Province** Colorado

Location
SHL: 2329' FNL & 2165' FWL SE NW
BHL: 633' FNL & 1930' FWL NE NW
Sec. 27, Twp. 6N, Rge. 67W

Other Services
Induction

Elevation
K.B. 4780
D.F. 4779
G.L. 4766

Permanent Datum GL Elevation 4766
Log Measured From KB
Drilling Measured From KB

Date	September 13, 2009		
Run Number	1		
Depth Driller	7647		
Depth Logger	7639		
Bottom Logged Interval	7619		
Top Log Interval	2350		
Casing Driller	417		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.0 / 55		
pH / Fluid Loss	9.0 / 11.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.13 @ 85° F		
Rmf @ Meas. Temp	2.53 @ 85° F		
Rmc @ Meas. Temp	3.51 @ 85° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.18 @ 209° F		
Time Circulation Stopped	0715		
Time Logger on Bottom	1500		
Maximum Recorded Temperature	209° F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Jay Pape	Mark Scanniello	

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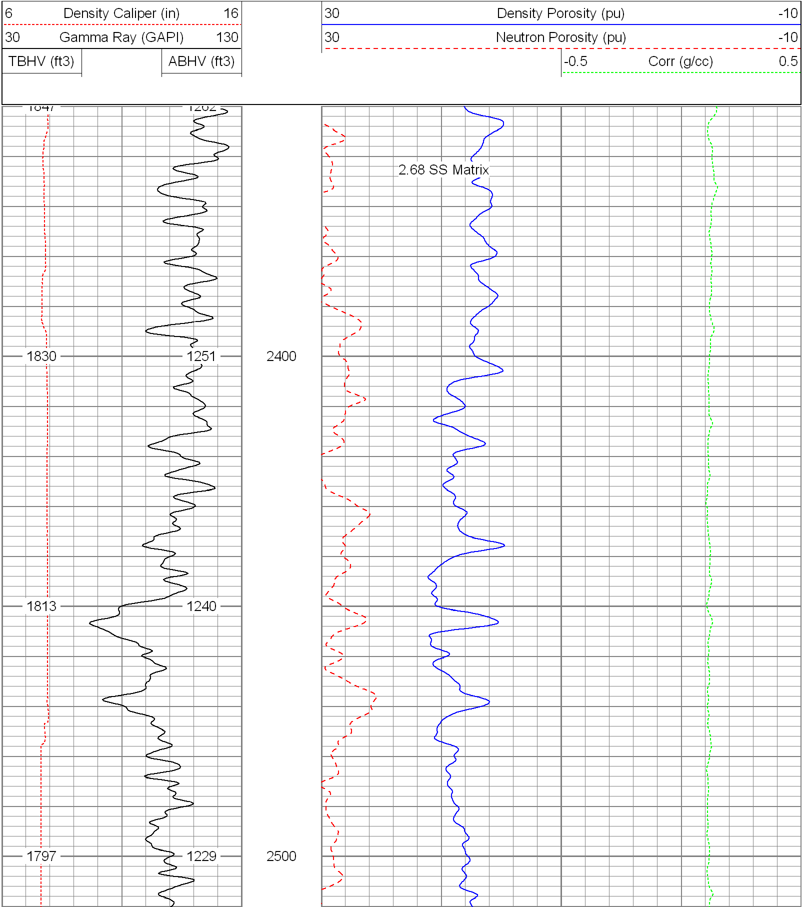
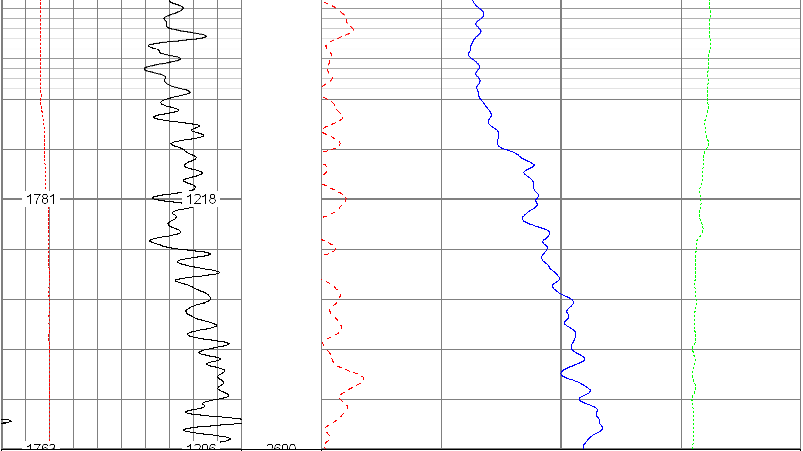
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Rig 5
Thank you for using Phoenix Surveys!!
API #: 05-123-29048-00

Database File: 10089.db
Dataset Pathname: pass4
Presentation Format: poro1
Dataset Creation: Sun Sep 13 15:02:24 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240





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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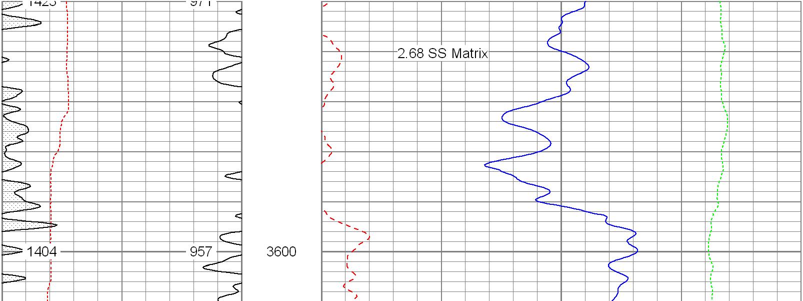

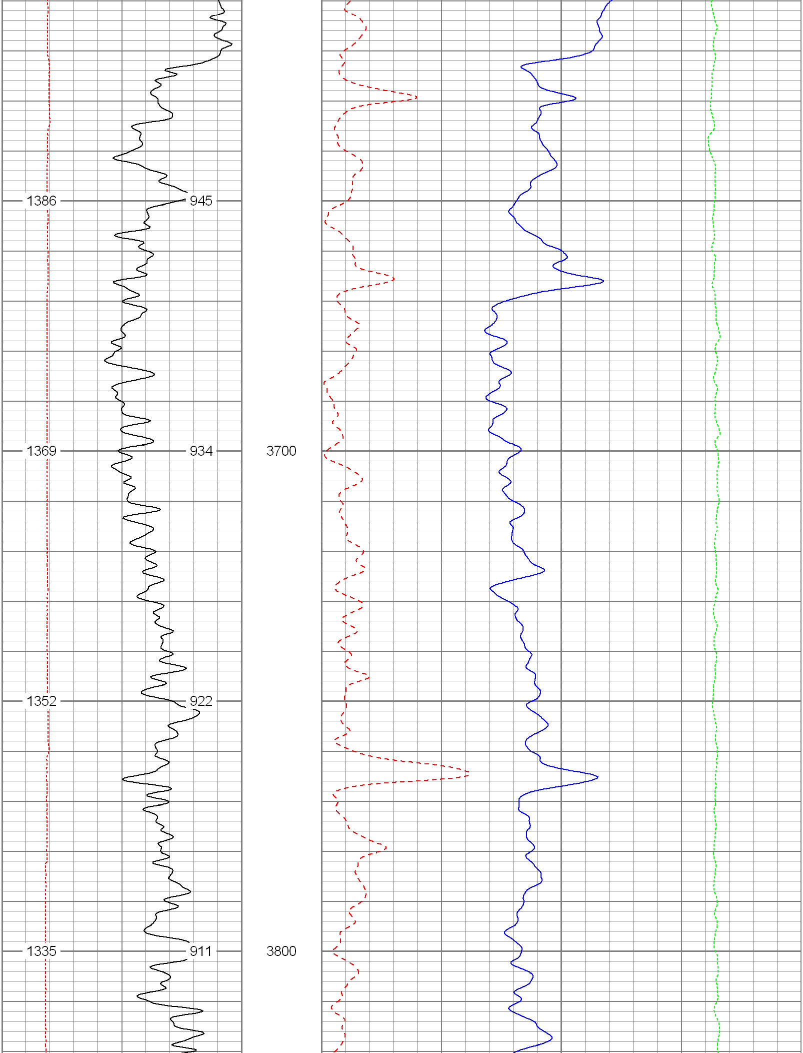

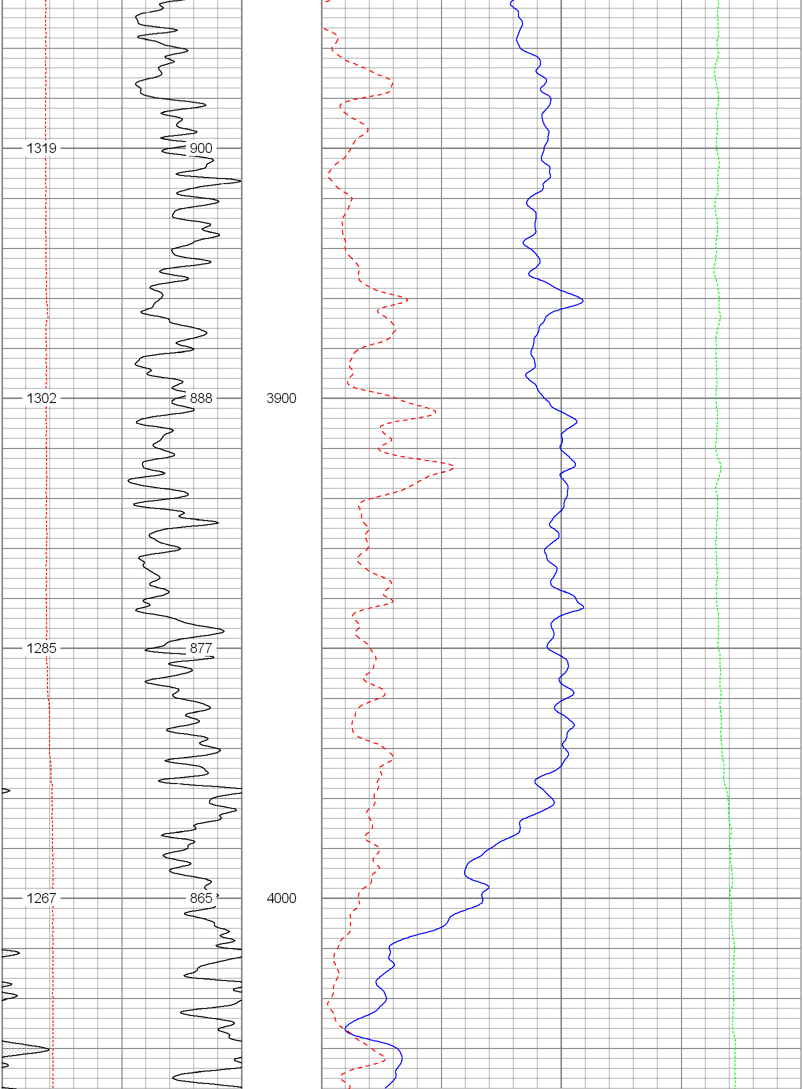

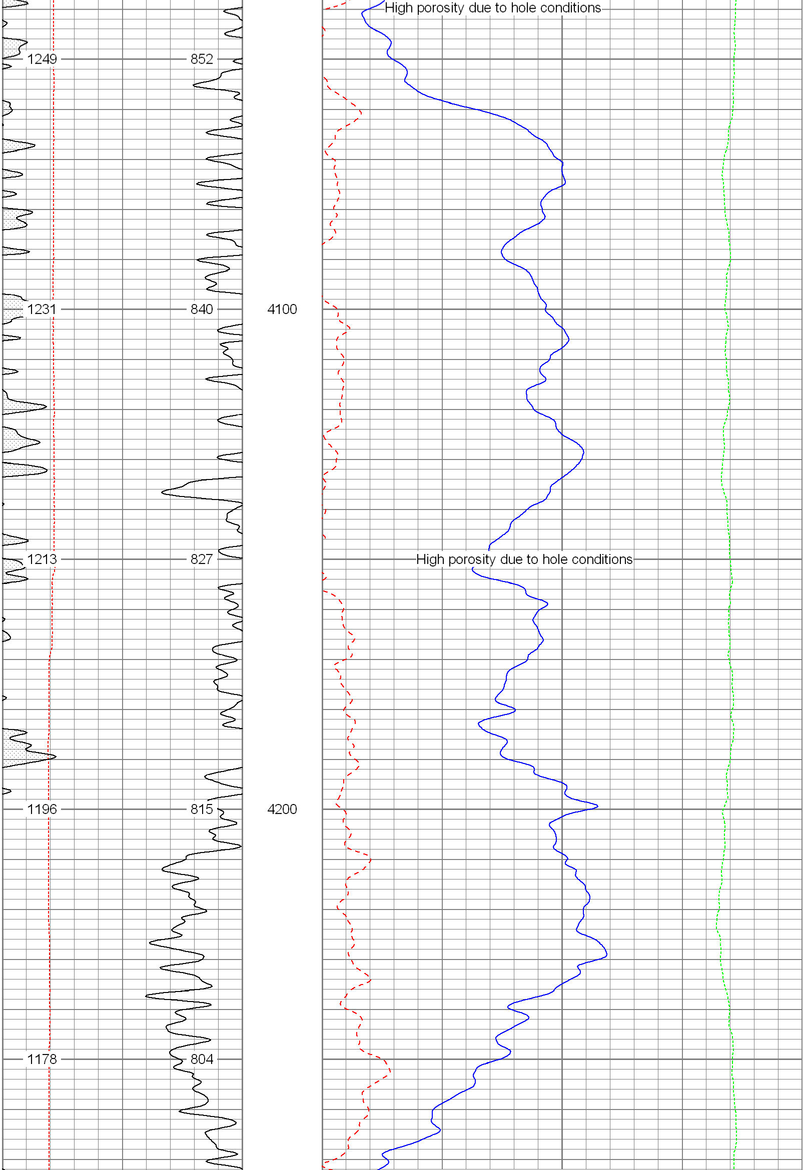

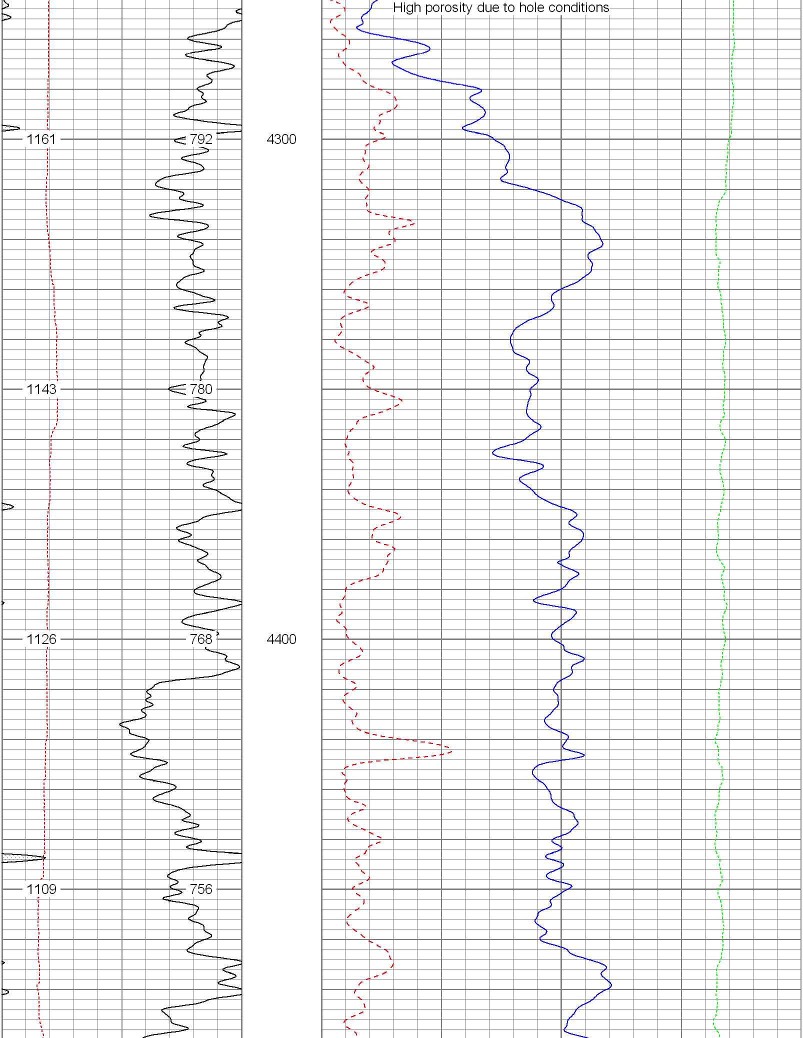

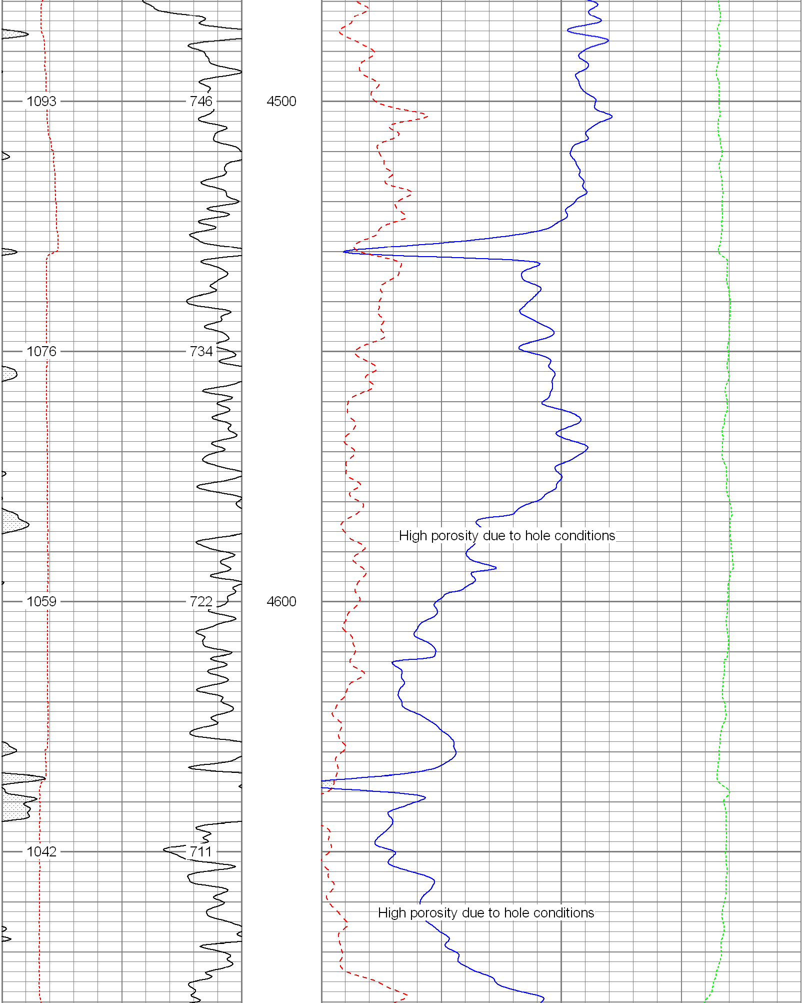

High porosity due to hole conditions

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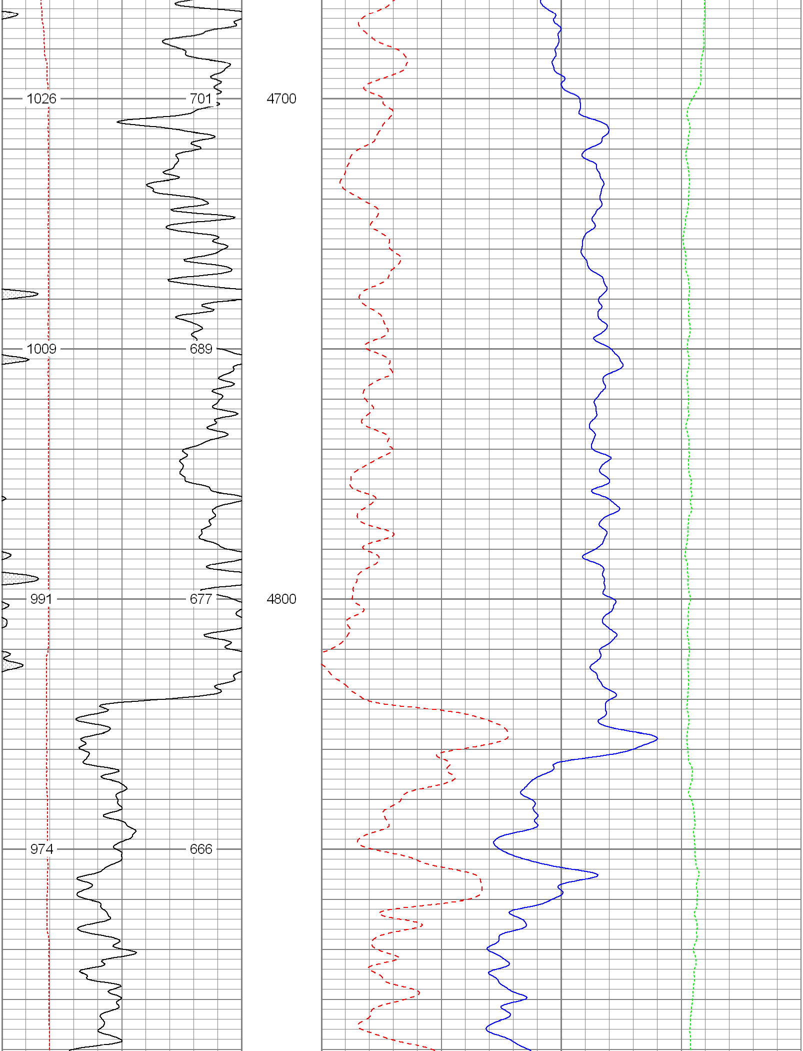
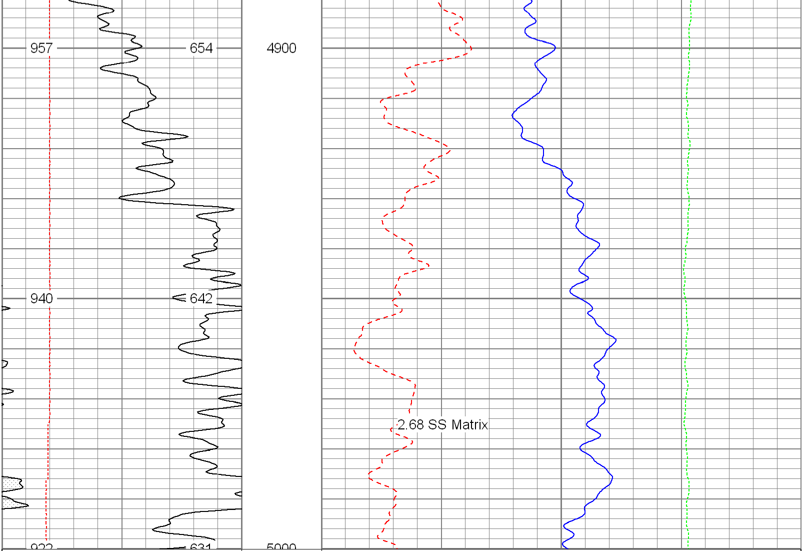


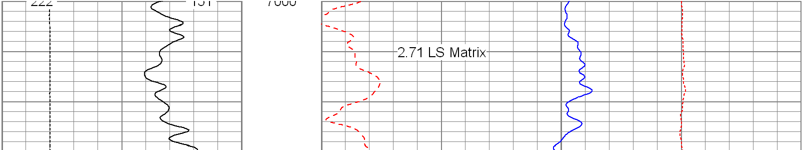
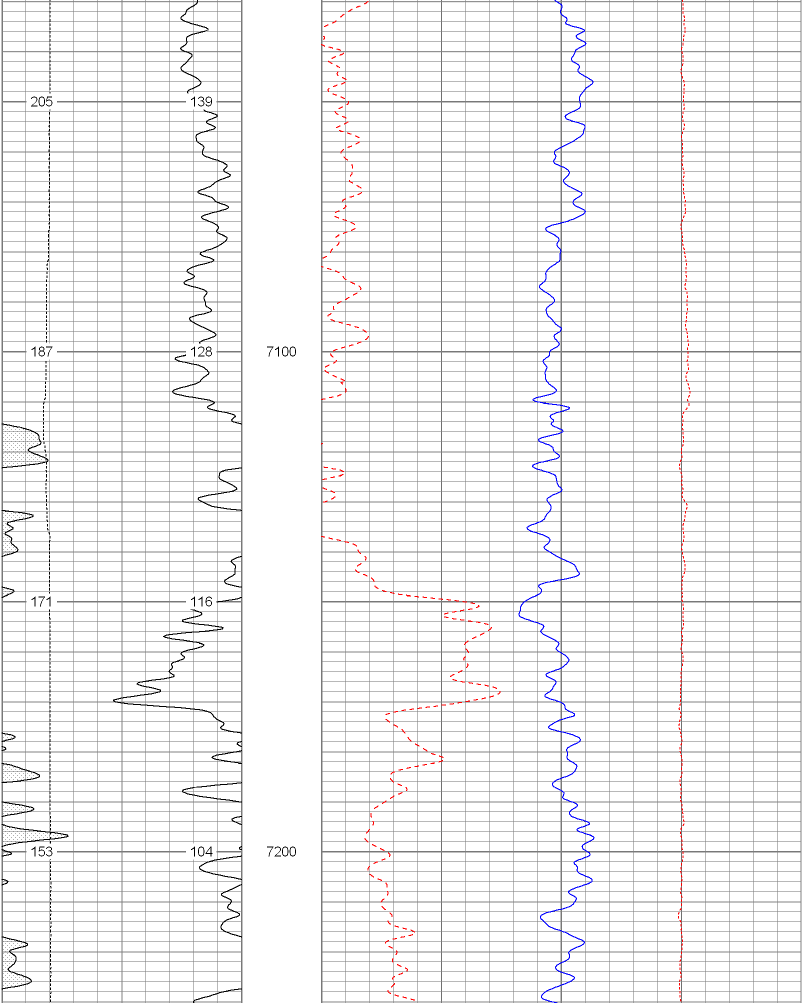
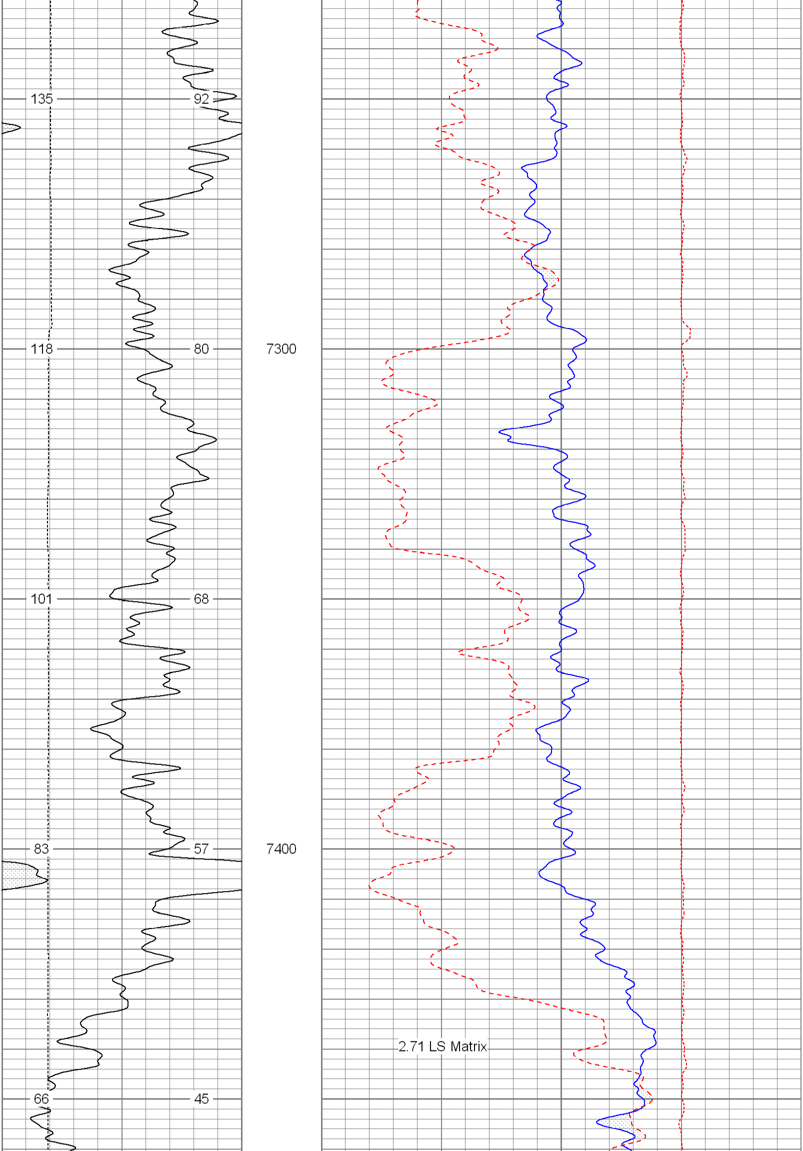
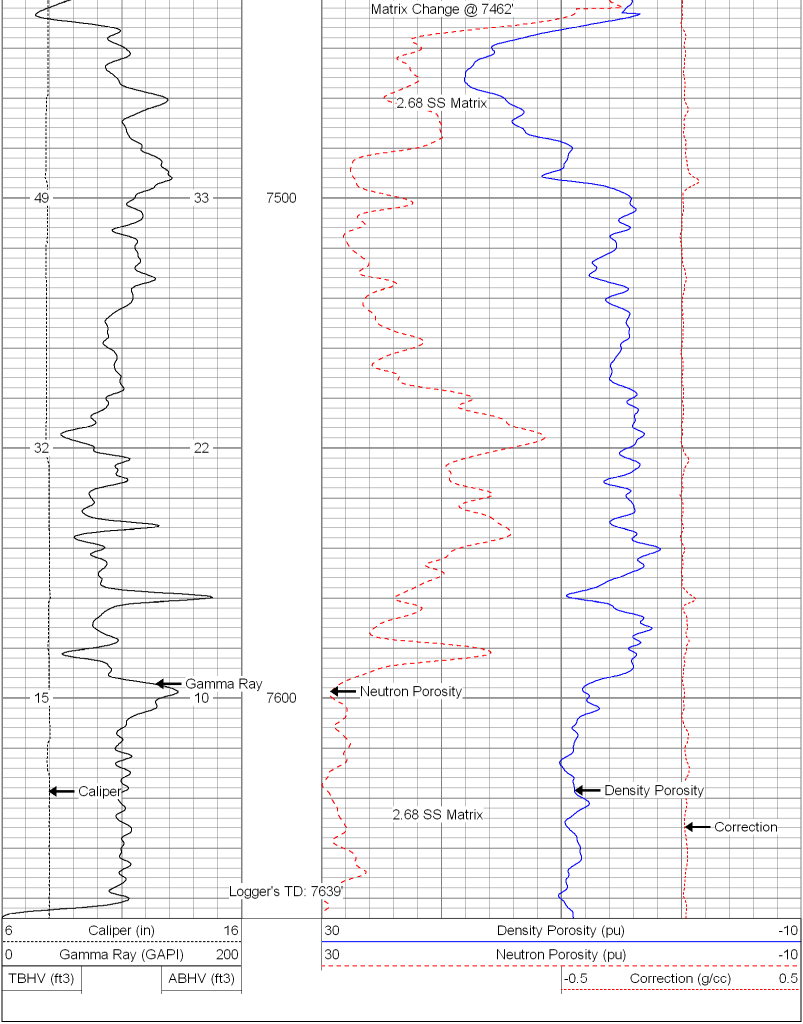


6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
TBHV (ft3)		ABHV (ft3)

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

Database File:	10089.db
Dataset Pathname:	pass4.1
Presentation Format:	poro
Dataset Creation:	Sun Sep 13 15:18:26 2009 by Calc Open-Cased 070814
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
30	Neutron Porosity (pu)	-10
-0.5	Correction (g/cc)	0.5