PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company
Well
Field
County
State/Prv

Company Great Western Oil & Gas LLC
Well Schmunk 31-41
Field Wattenberg
County Weld **State/Province** Colorado

Location 642' FNL & 589' FEL
NE NE
Sec 31, Twp - 7N, Rge - 65W

Other Services
Induction

Elevation
K.B. 4883
D.F. 4882
G.L. 4867

Permanent Datum	GL	Elevation	4867
Log Measured From	KB		
Drilling Measured From	KB		

Date	February 21, 2010		
Run Number	1		
Depth Driller	7458		
Depth Logger	7461		
Bottom Logged Interval	7441		
Top Log Interval	2850		
Casing Driller	601		
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	3.41 @ 65° F		
Rmf @ Meas. Temp	2.69 @ 65° F		
Rmc @ Meas. Temp	3.93 @ 65° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.15 @ 204° F		
Time Circulation Stopped	0630		
Time Logger on Bottom	1500		
Maximum Recorded Temperature	204° F		
Equipment Number	4800		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Jay Pape	Mark Scanniello	

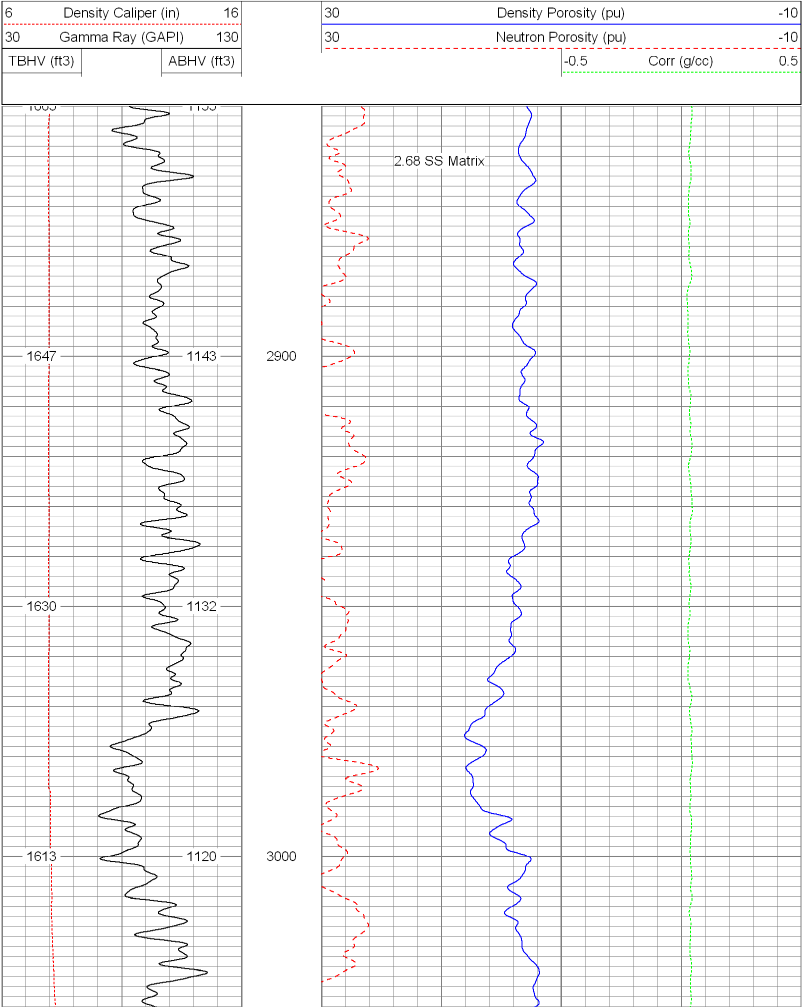
<<< Fold Here >>>

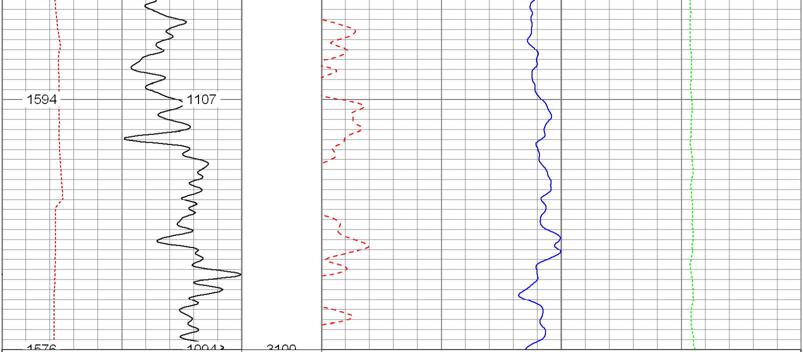
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 #: 05-123-25562-00

Database File:	10355.db
Dataset Pathname:	pass3
Presentation Format:	poro1
Dataset Creation:	Sun Feb 21 14:52:11 2010 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240





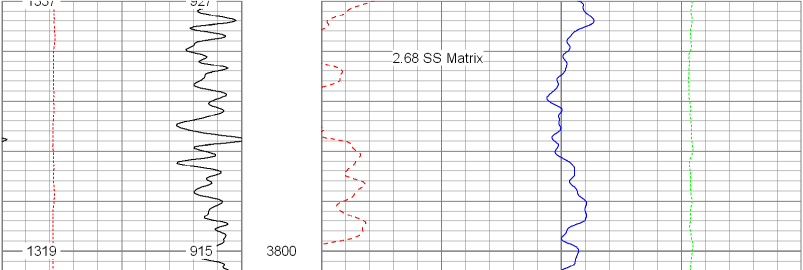
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
TBHV (ft3)		ABHV (ft3)

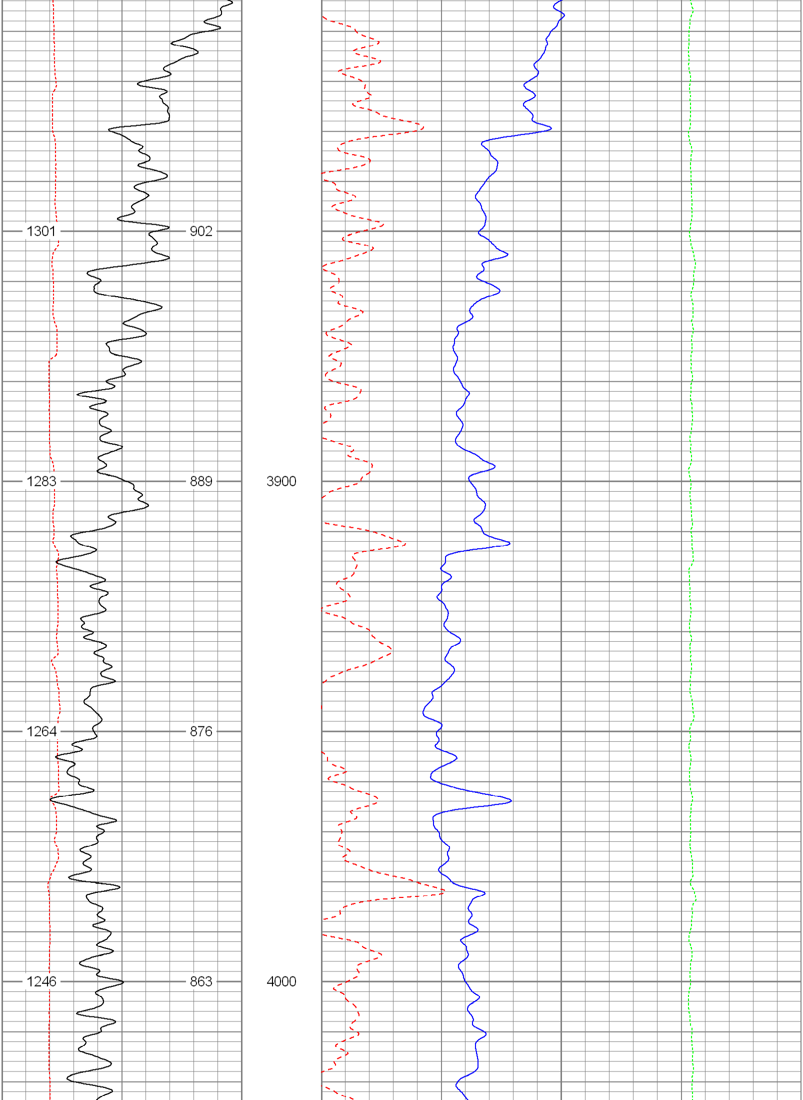
30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
-0.5	Corr (g/cc)	0.5

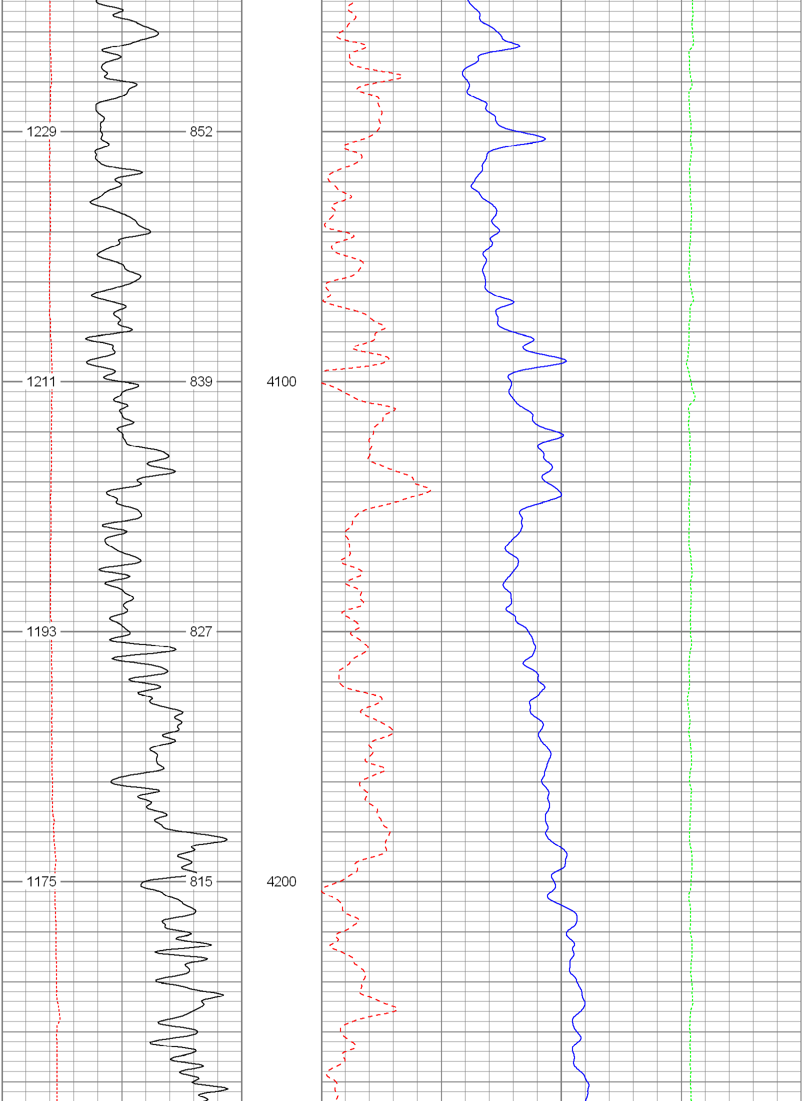
Database File:	10355.db
Dataset Pathname:	pass3
Presentation Format:	poro1
Dataset Creation:	Sun Feb 21 14:52:11 2010 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240

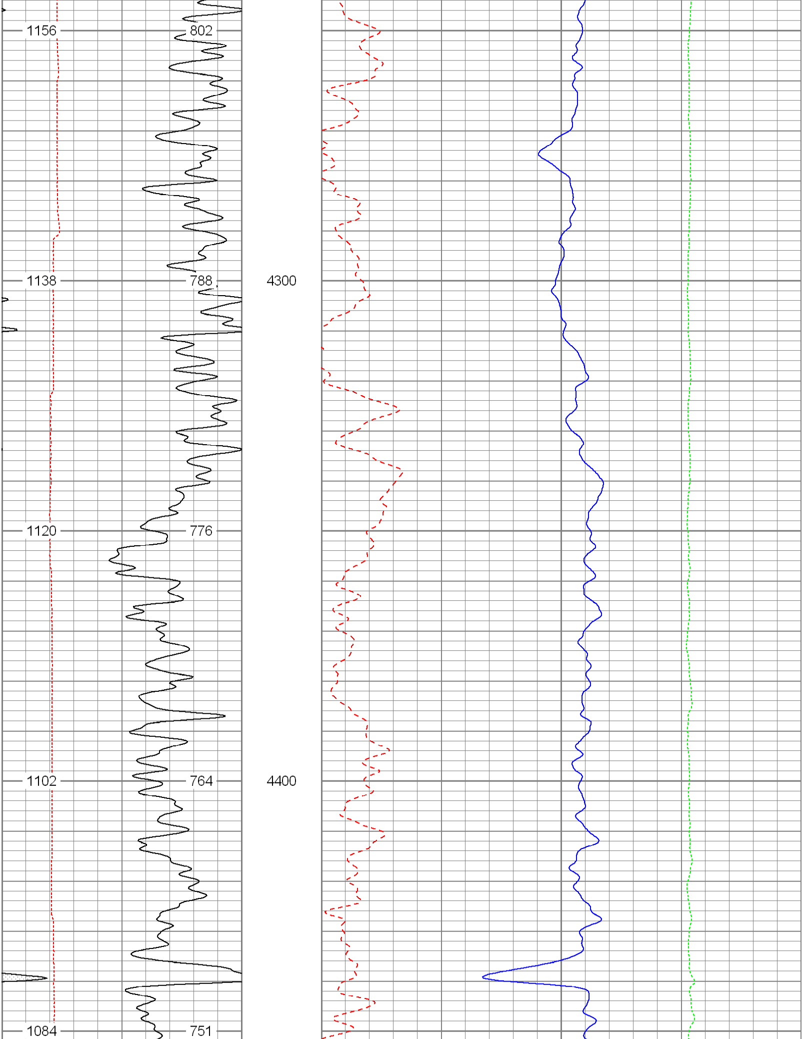
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
TBHV (ft3)		ABHV (ft3)

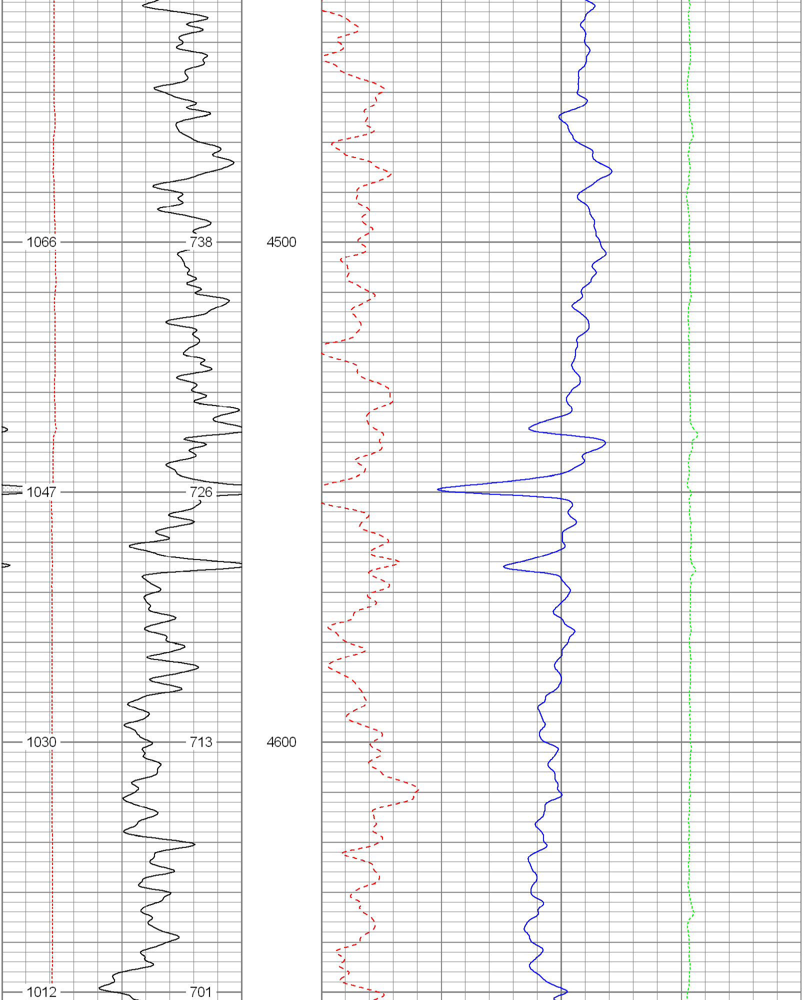
30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
-0.5	Corr (g/cc)	0.5

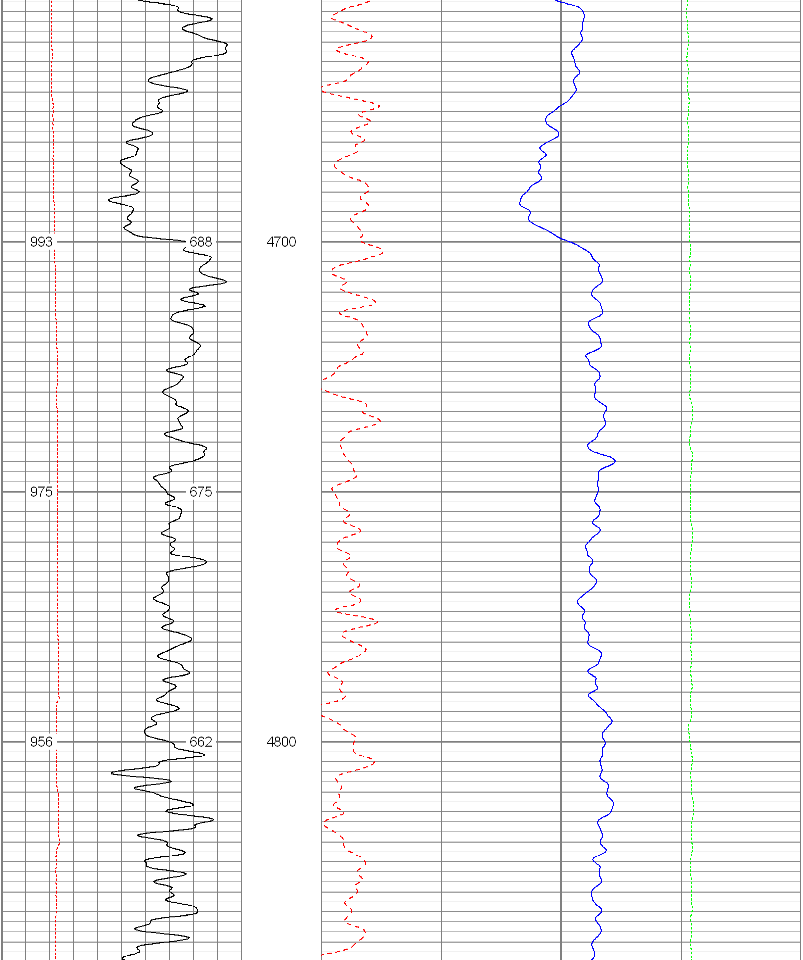


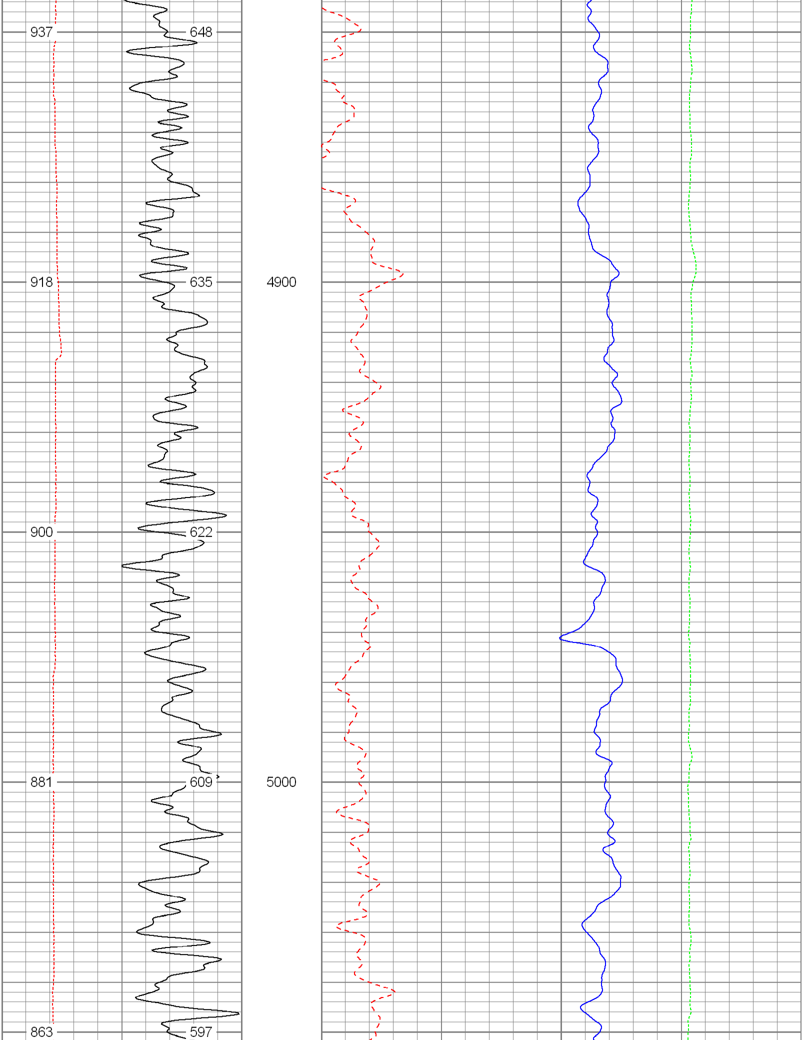


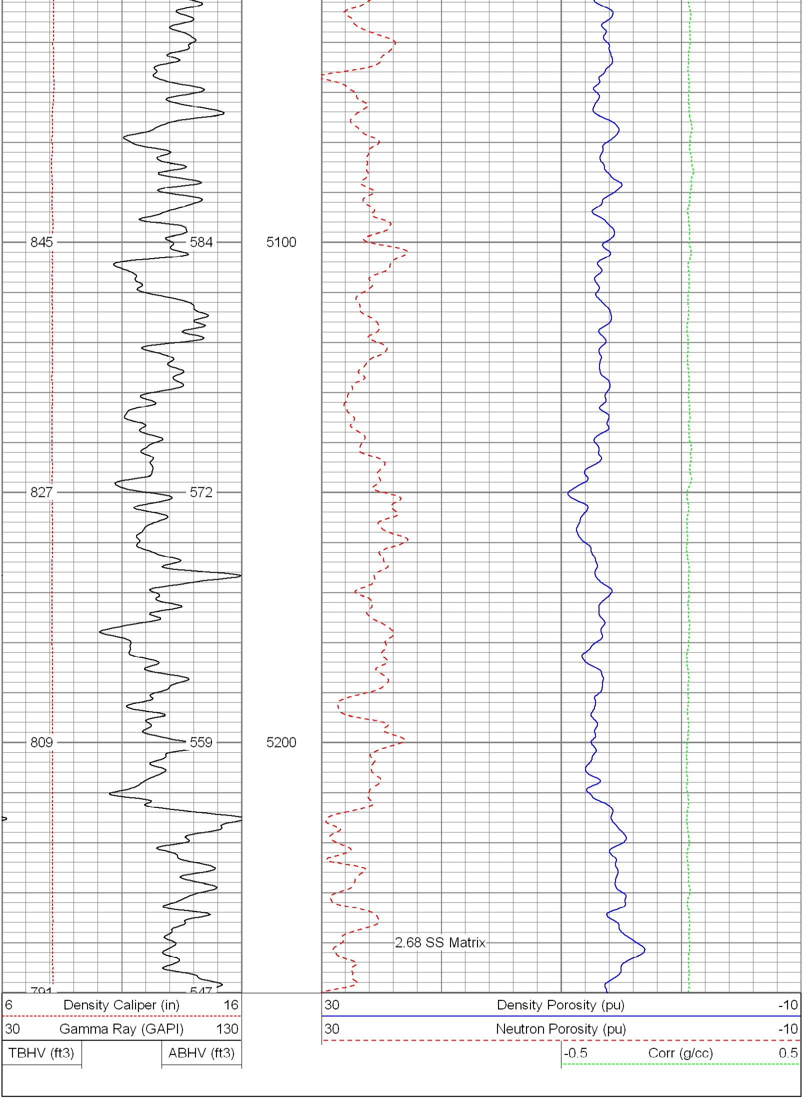












Database File:	10355.db
Dataset Pathname:	pass3.1
Presentation Format:	poro
Dataset Creation:	Sun Feb 21 15:08:35 2010 by Calc Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240

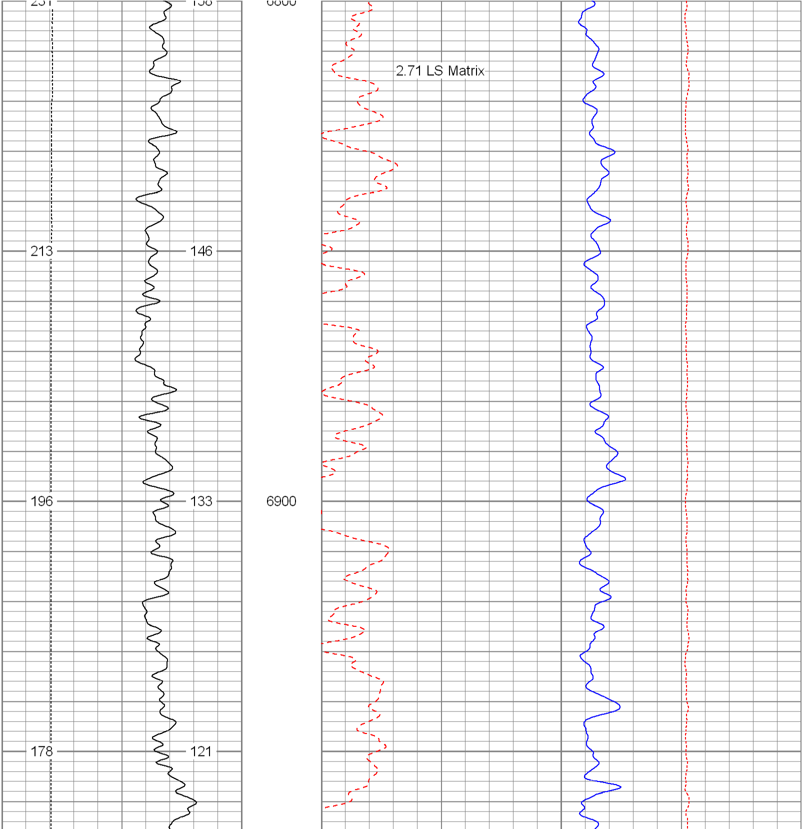
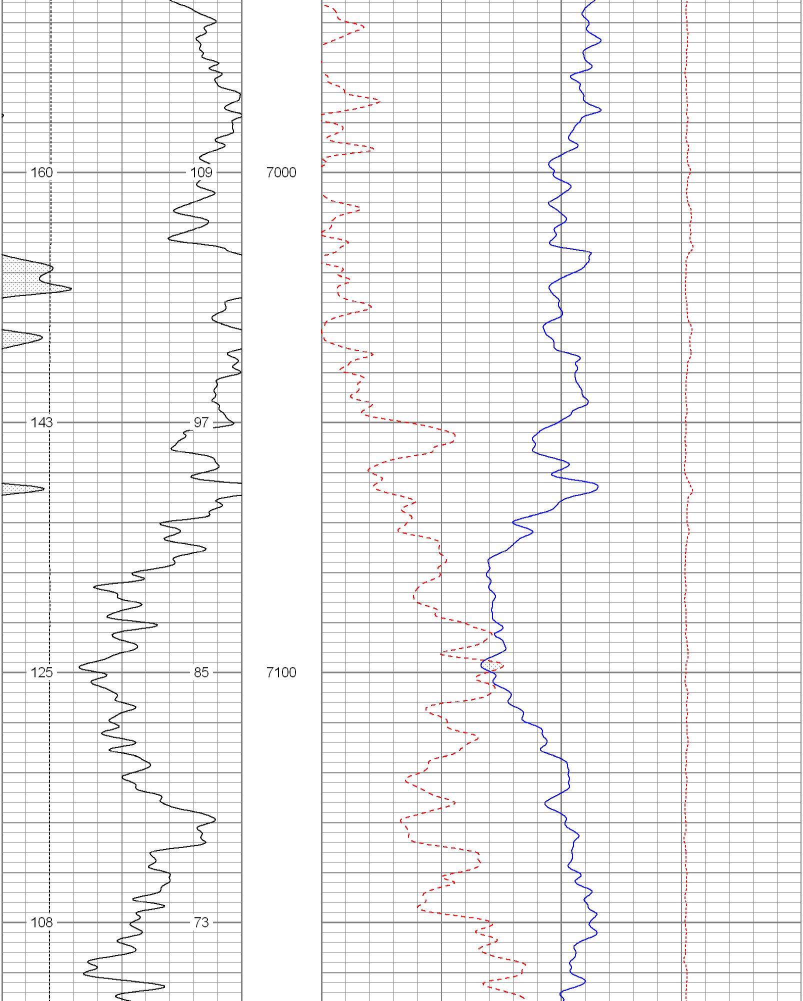
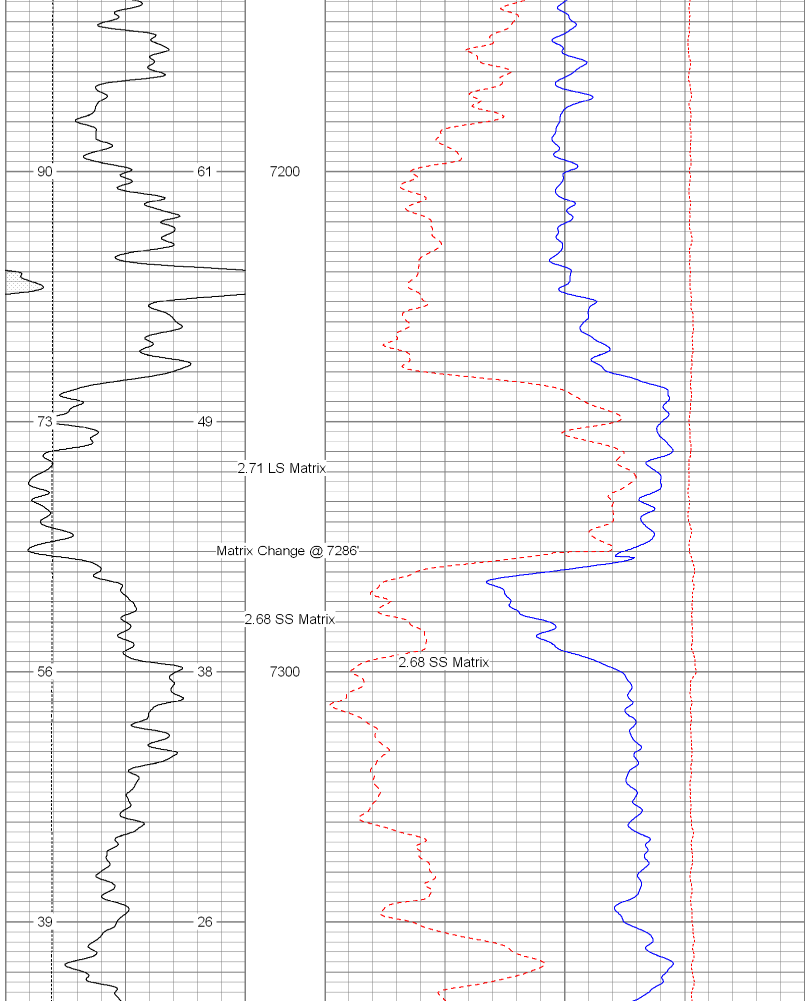
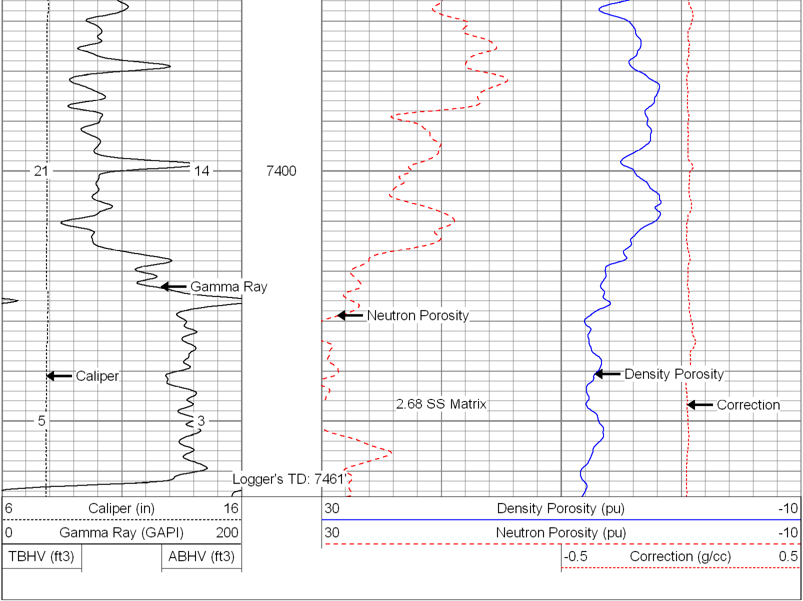
6 Caliper (in) 16

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