PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas LLC
Well	H-Y 29-21-3
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
SHL: 739' FNL & 1936' FWL NENW Sec. 29
BHL: 31' FSL & 2634' FWL SESW
Sec. 20, Twp. 6N, Rge. 67W

Other Services
None

Permanent Datum	GL	Elevation	4784
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4798
D.F. 4797
G.L. 4784

Date	June 25, 2012		
Run Number	1		
Depth Driller	7413		
Depth Logger	7400		
Bottom Logged Interval	7400		
Top Log Interval	Casing		
Casing Driller	841		
Casing Logger	841		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.2 / 50		
pH / Fluid Loss	8.5 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.00 @ 80 F		
Rmf @ Meas. Temp	2.30 @ 80 F		
Rmc @ Meas. Temp	3.90 @ 80 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.15 @ 209 F		
Time Circulation Stopped	0100		
Time Logger on Bottom	0700		
Maximum Recorded Temperature	209 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Armstrong	Scanniello	

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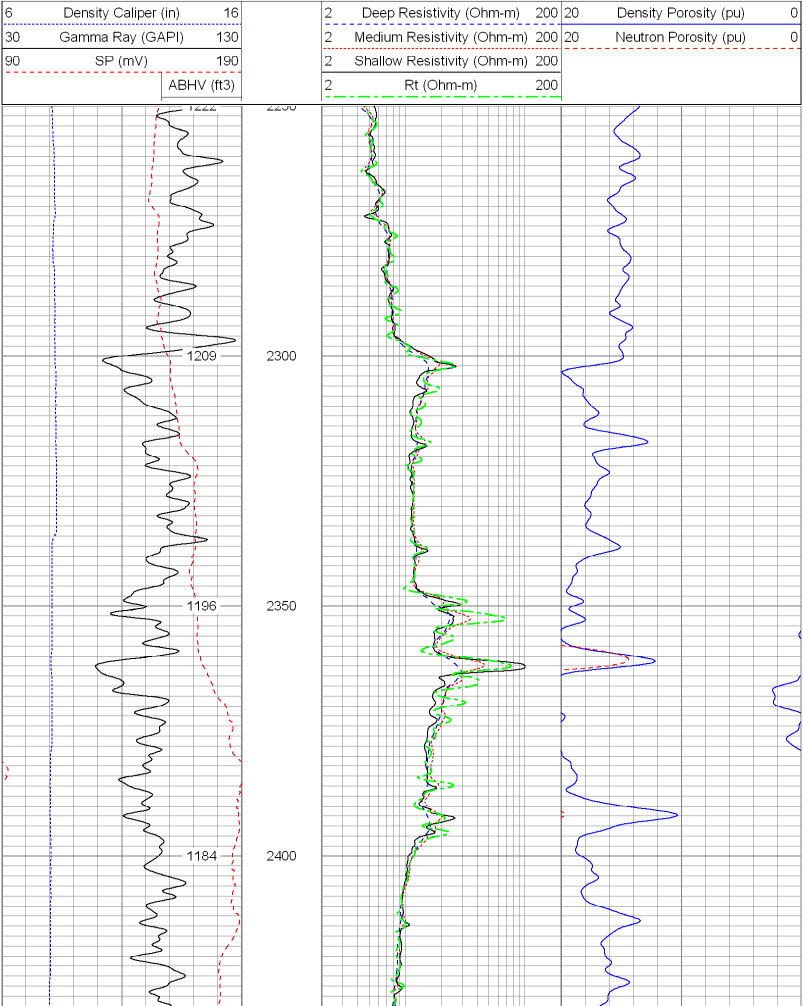
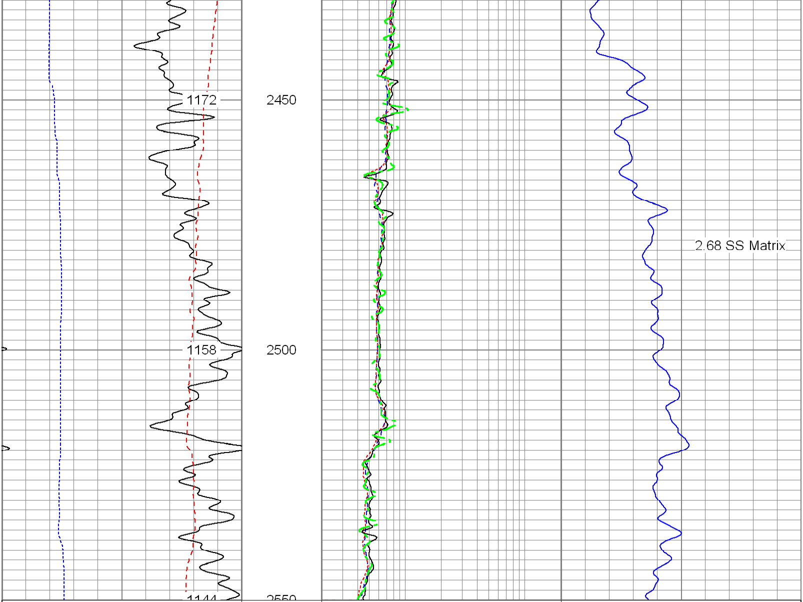
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Cade Drilling Rig 25
Thank you for using Phoenix Surveys!!
API #: 05-123-35426

Database File: 12946.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Mon Jun 25 08:31:34 2012
Charted by: Depth in Feet scaled 1:240





6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
90 SP (mV) 190	2 Shallow Resistivity (Ohm-m) 200	
ABHV (ft3)	2 Rt (Ohm-m) 200	

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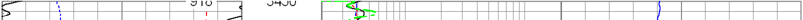

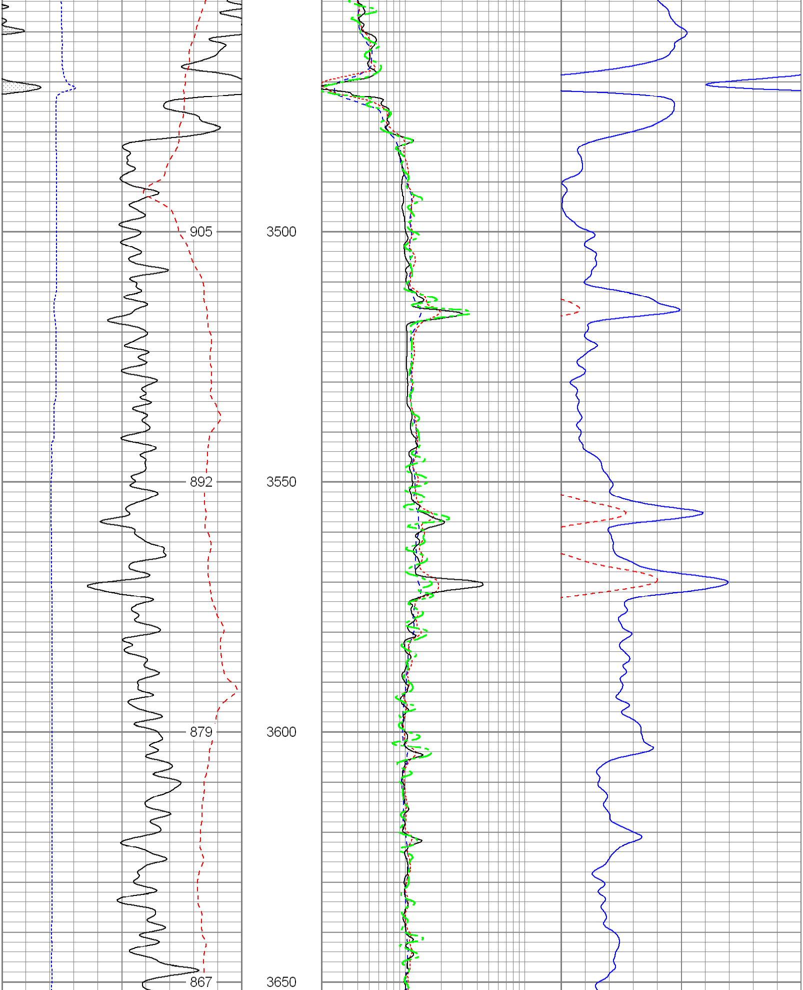

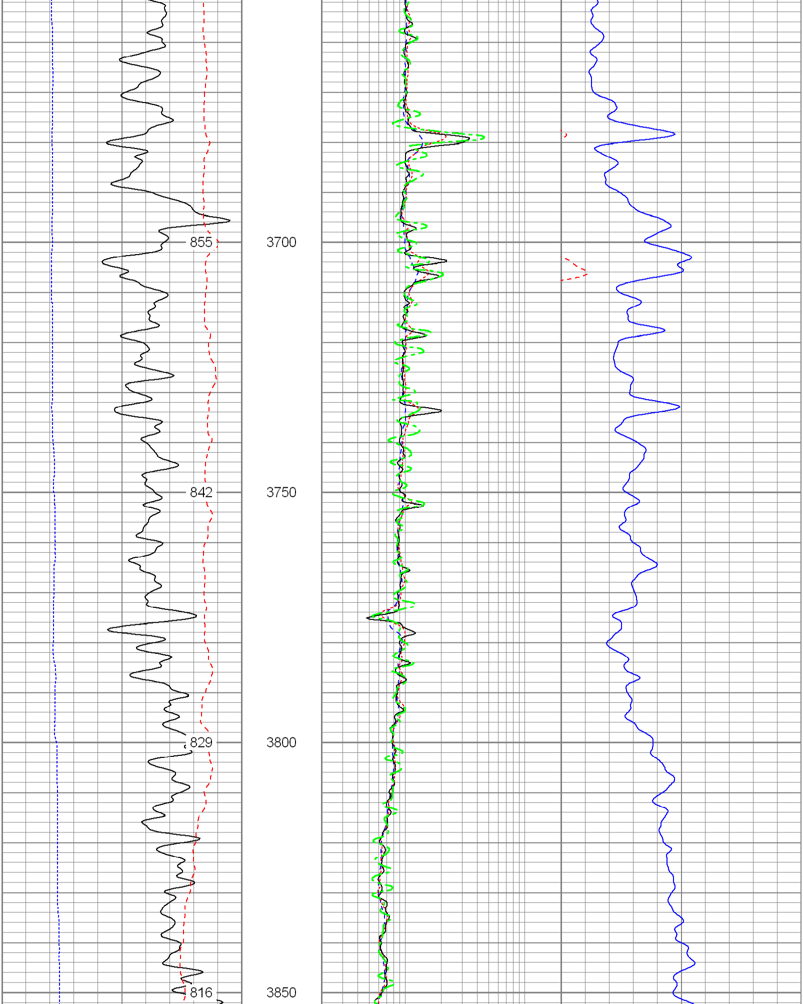

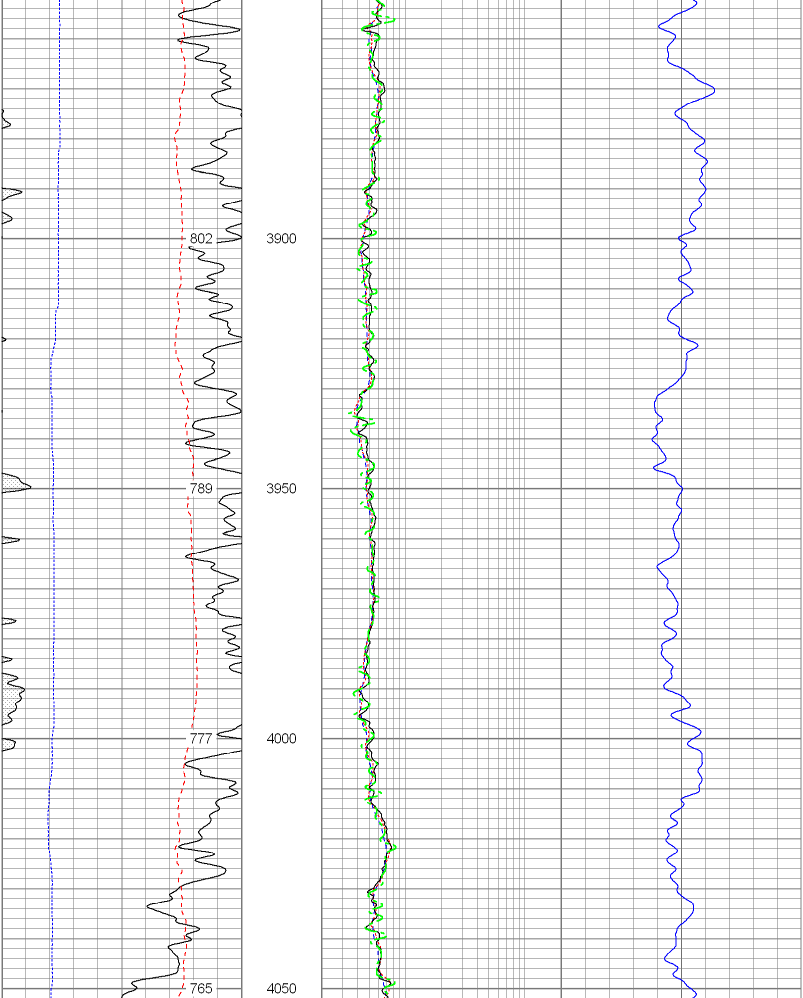

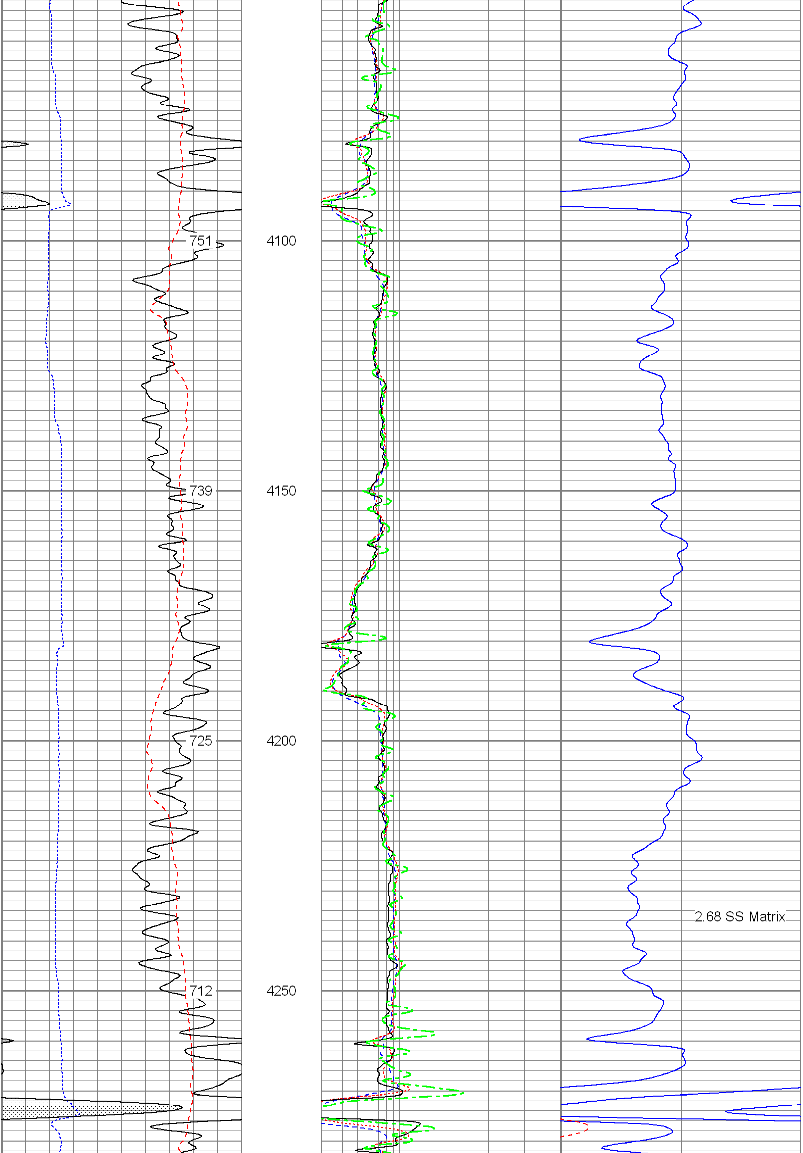

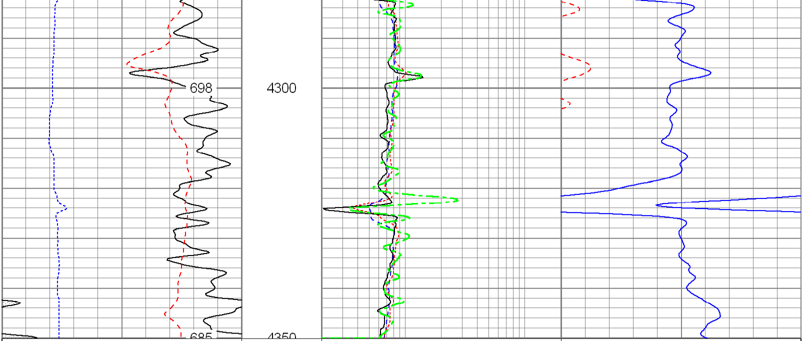

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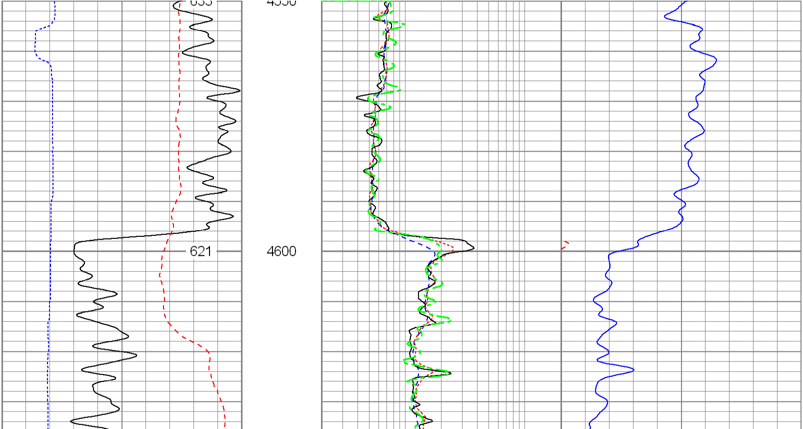

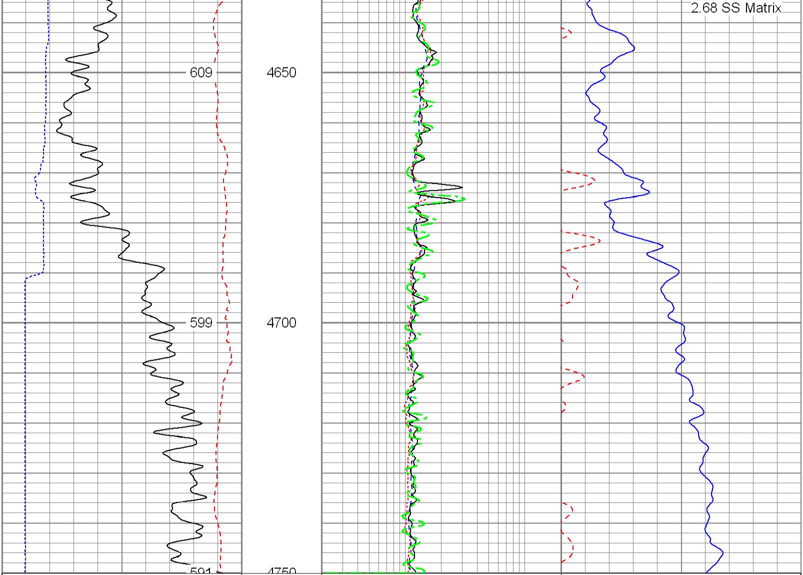

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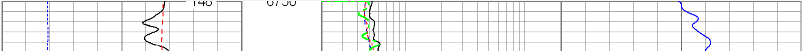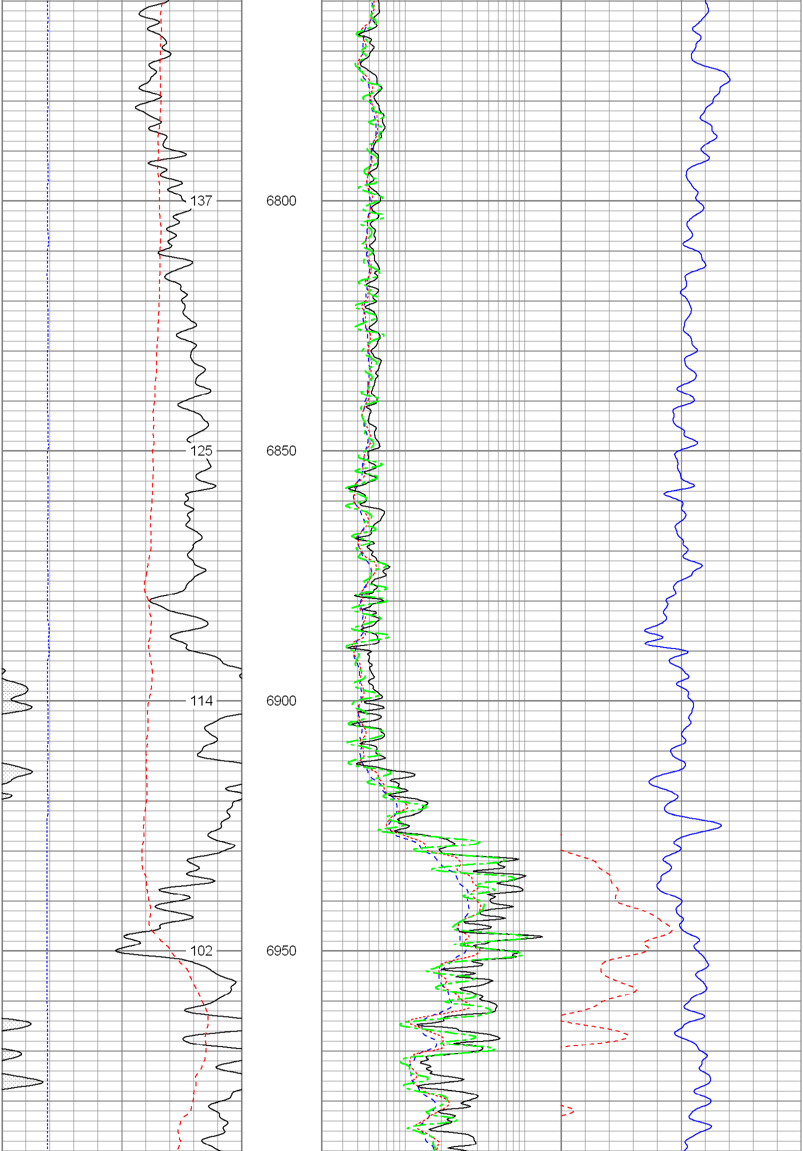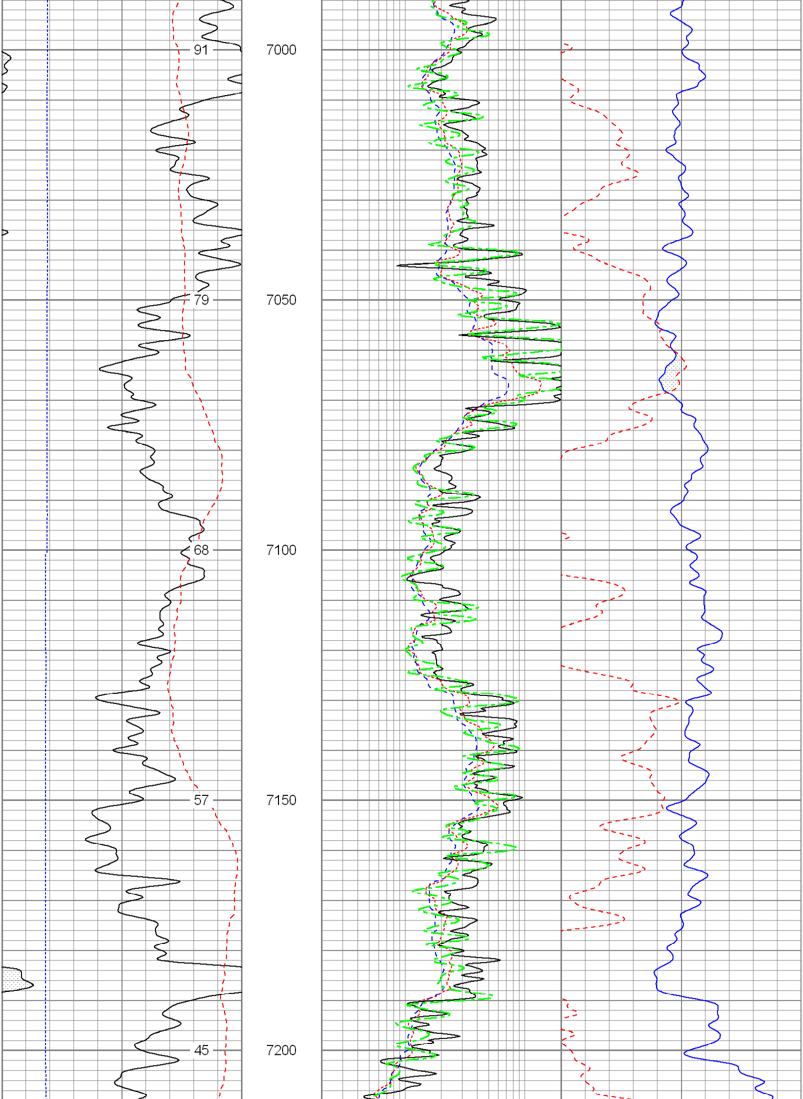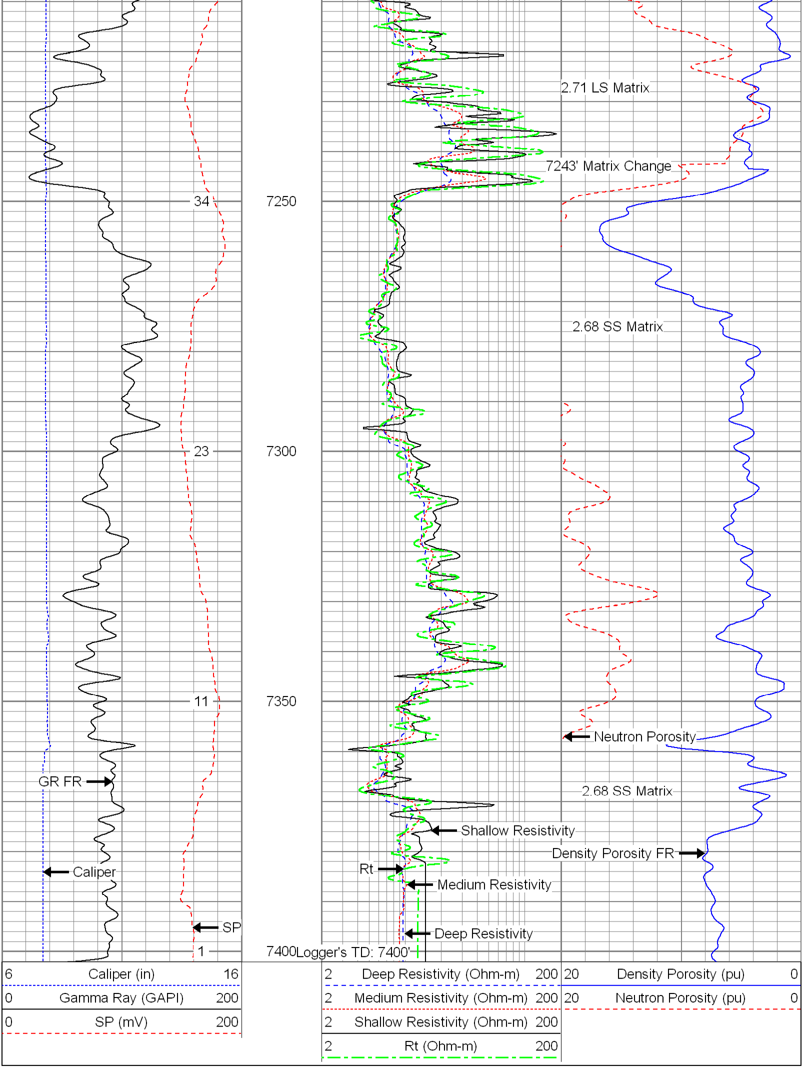6	Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
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