PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	**Great Western Oil & Gas LLC**
Well	**Appaloosa 33-14**
Field	**Eaton**
County	**Weld**
State/Province	**Colorado**

Location
SHL: 1415' FSL & 1536' FWL NE SW
BHL: 637' FSL & 637' FEL SW SW
Sec. 33, Twp. 7N, Rge. 65W

Other Services
Density
Neutron

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

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

Date	May 20, 2011		
Run Number	1		
Depth Driller	7470		
Depth Logger	7472		
Bottom Logged Interval	7472		
Top Log Interval	Casing		
Casing Driller	562		
Casing Logger	562		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.0 / 50		
pH / Fluid Loss	9.0 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.23 @ 75 F		
Rmf @ Meas. Temp	2.43 @ 75 F		
Rmc @ Meas. Temp	3.88 @ 75 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.18 @ 204 F		
Time Circulation Stopped	0215		
Time Logger on Bottom	1000		
Maximum Recorded Temperature	204 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Jay Pape	Mark Scanniello	

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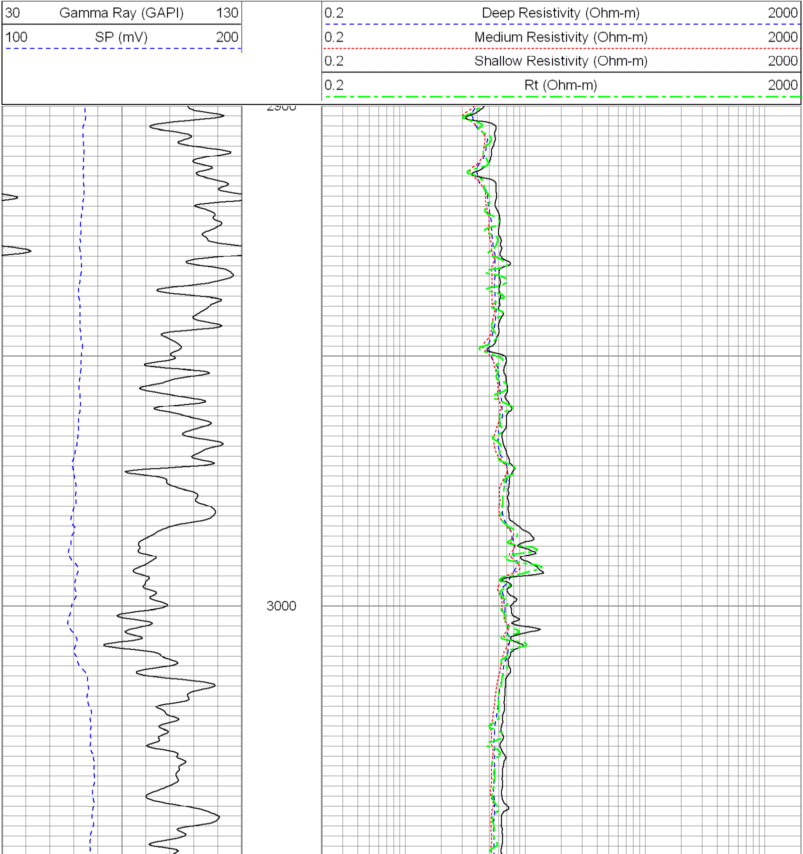
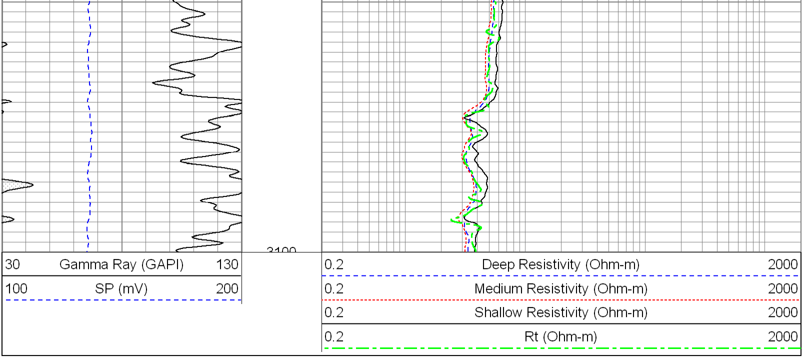
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 7
Thank you for using Phoenix Surveys!!
API #: 05-123-32999-00
No Repeat Due To Hole Conditions

Database File:	11618.db
Dataset Pathname:	final
Presentation Format:	dil1
Dataset Creation:	Fri May 20 10:13:30 2011
Charted by:	Depth in Feet scaled 1:240





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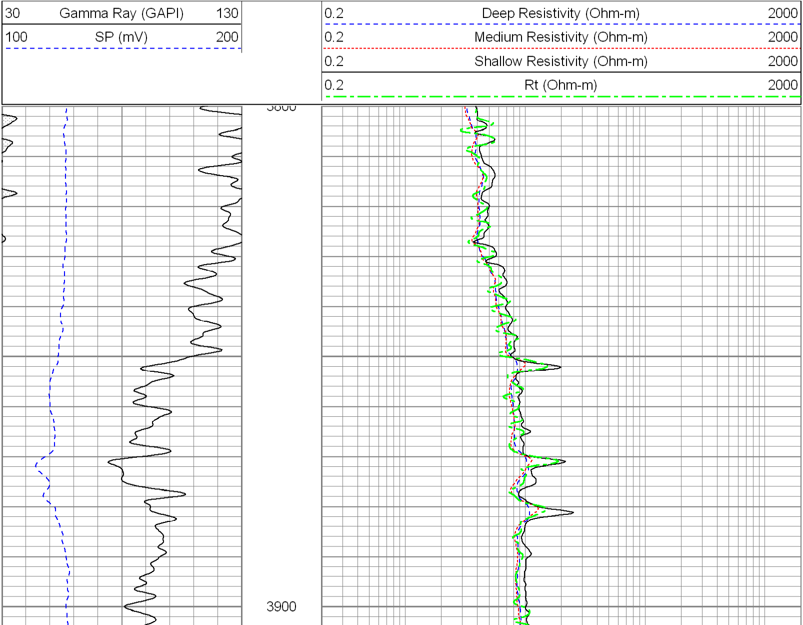

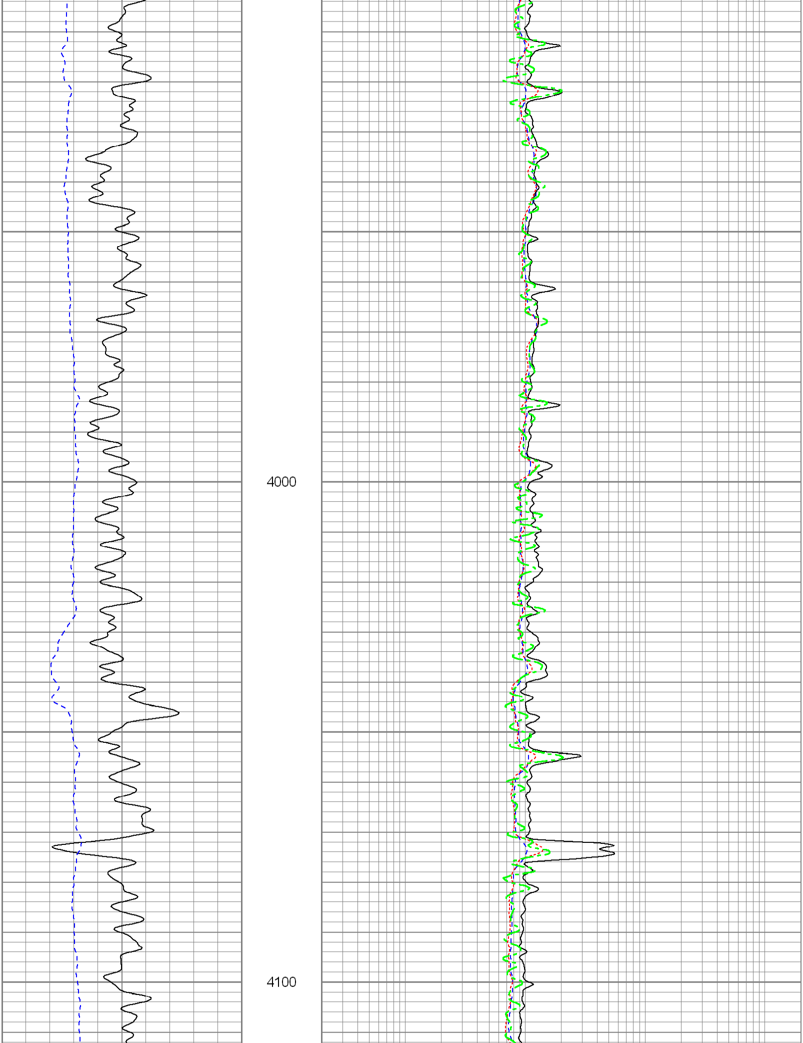

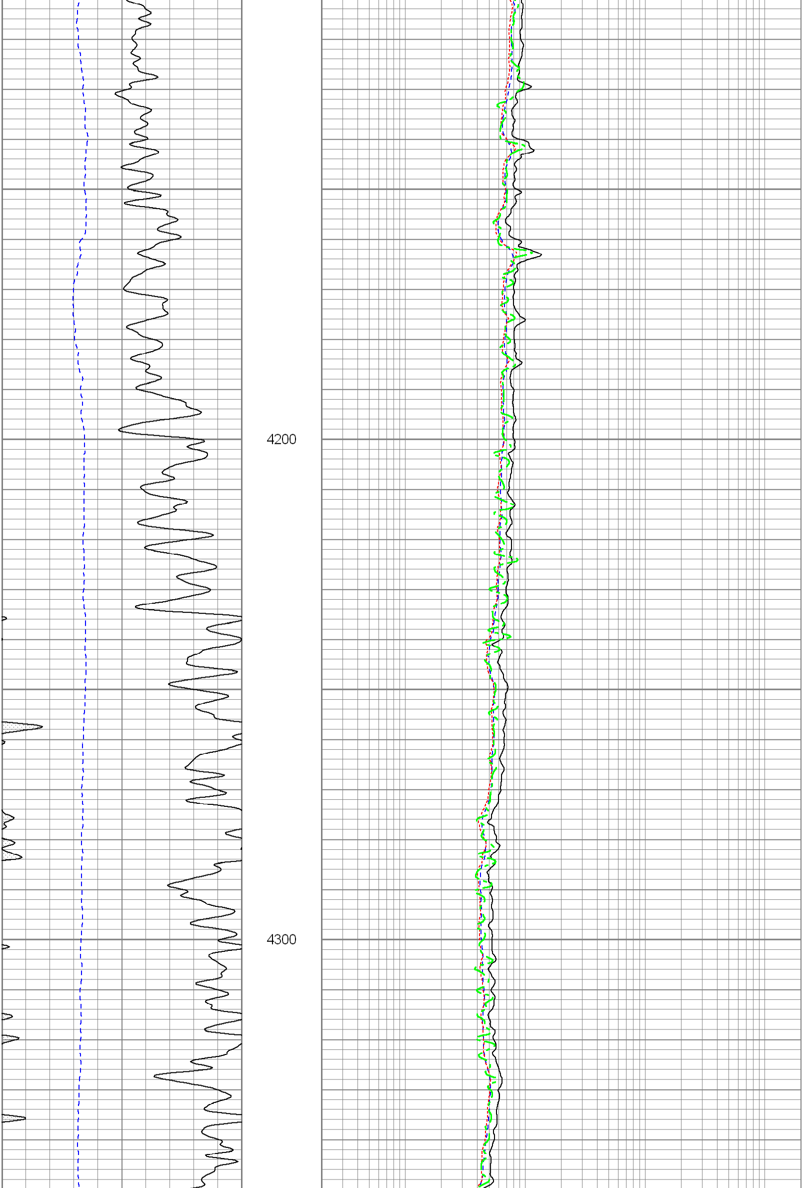

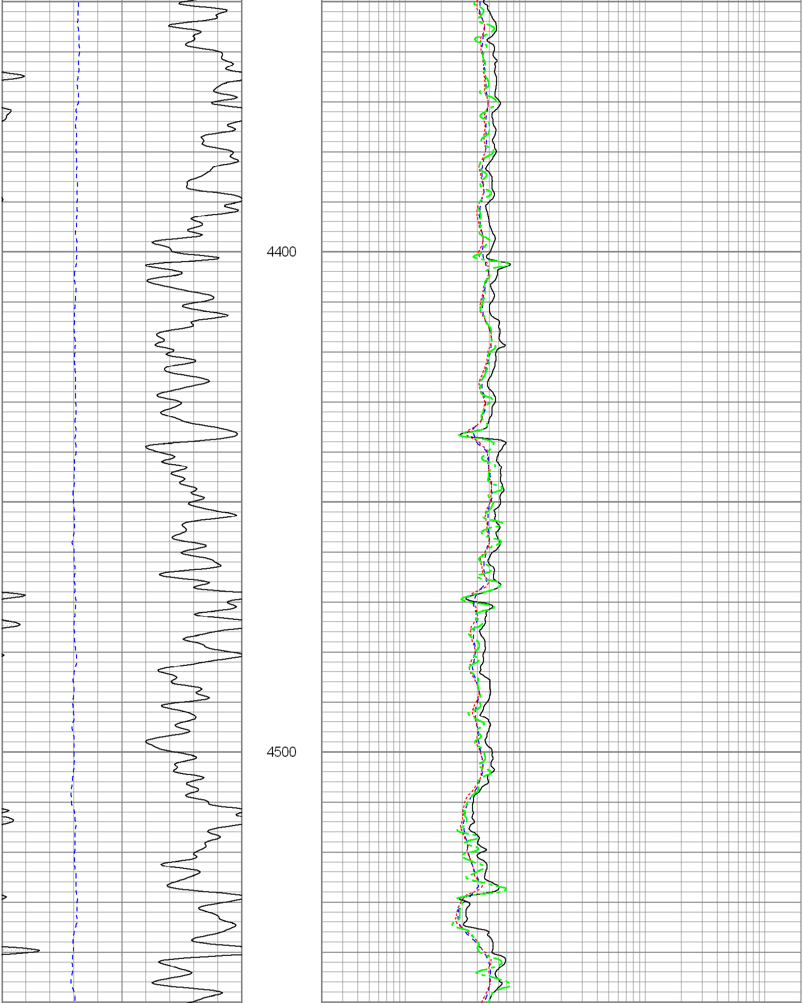

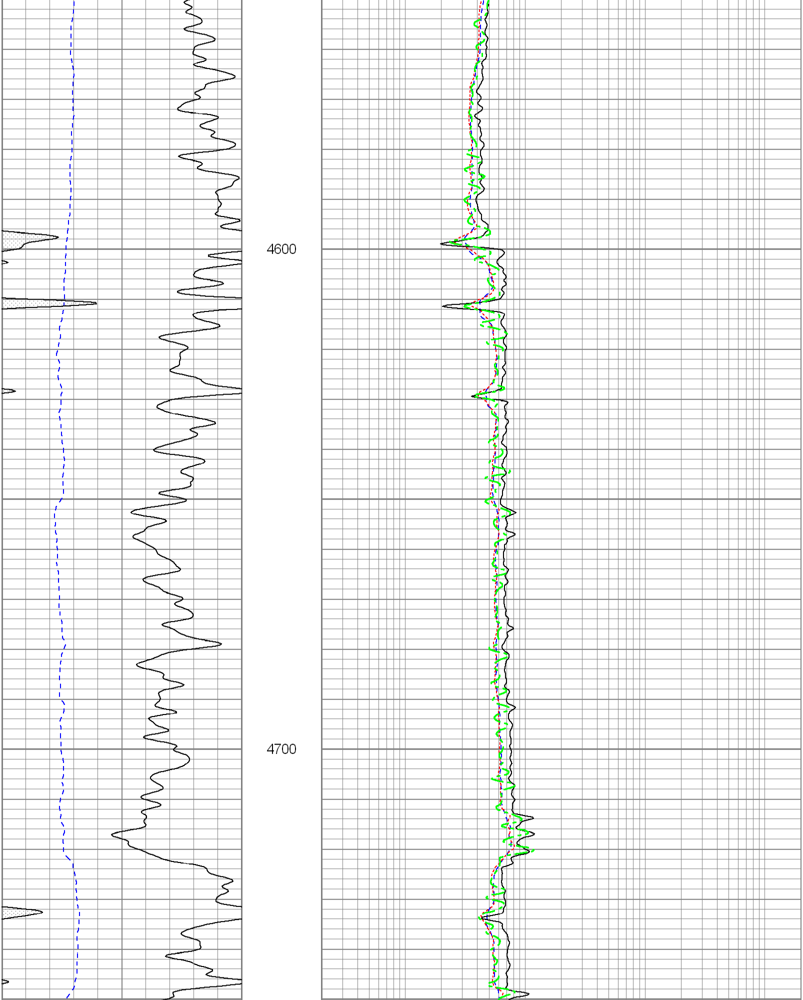

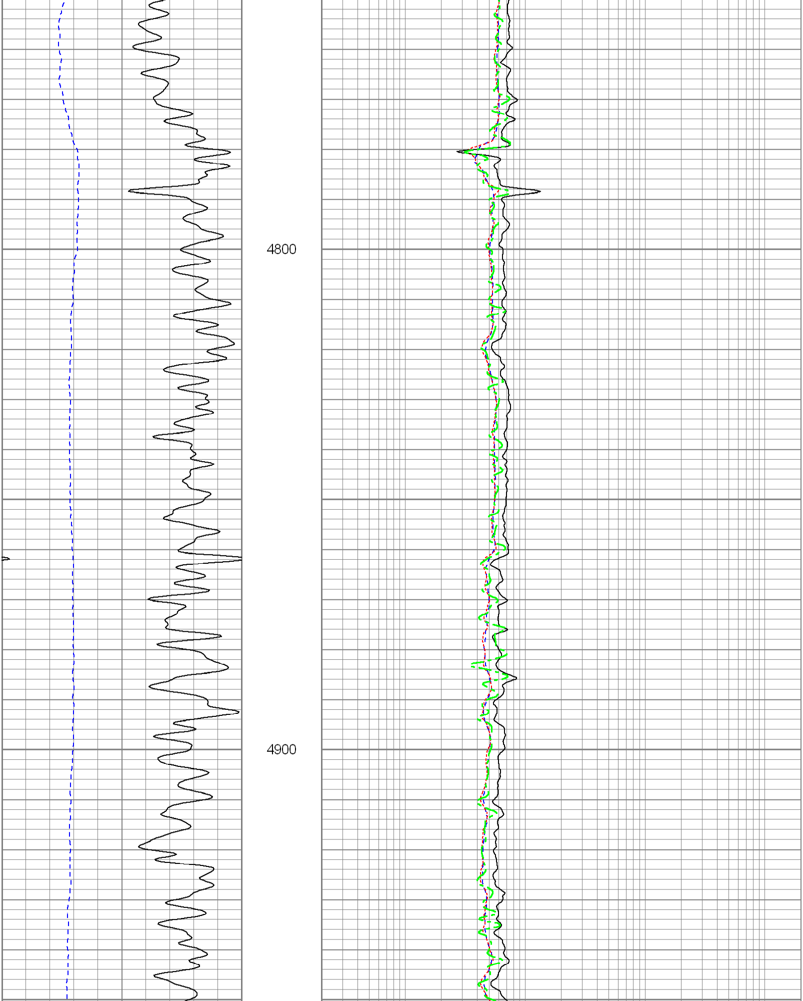

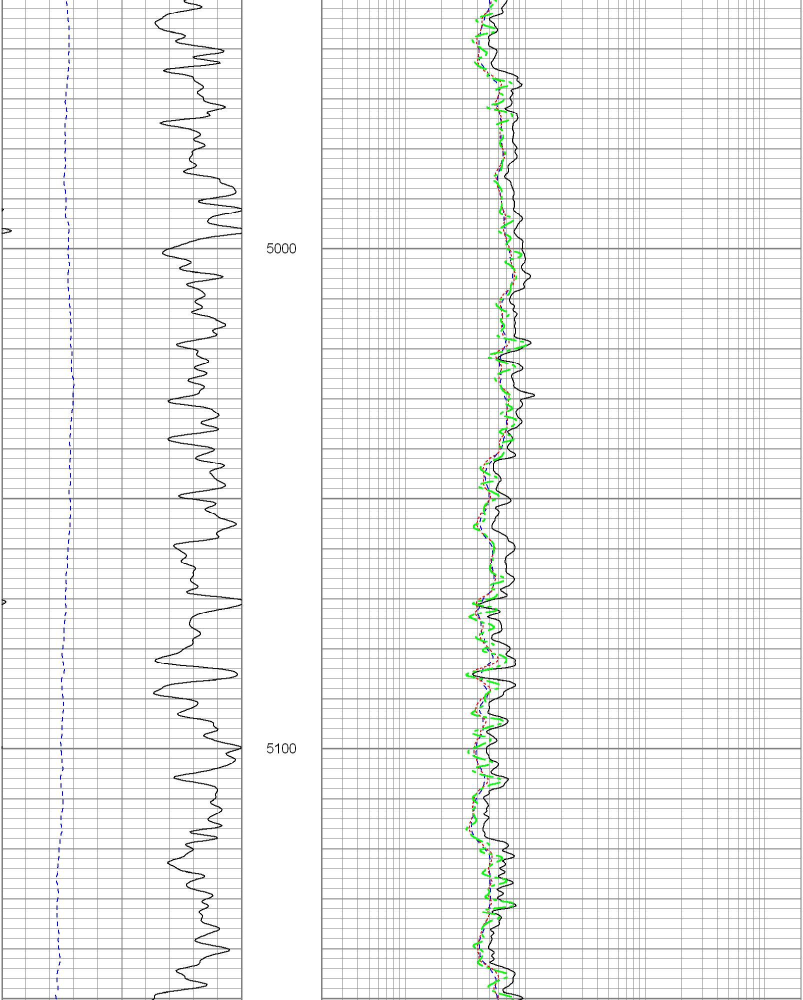

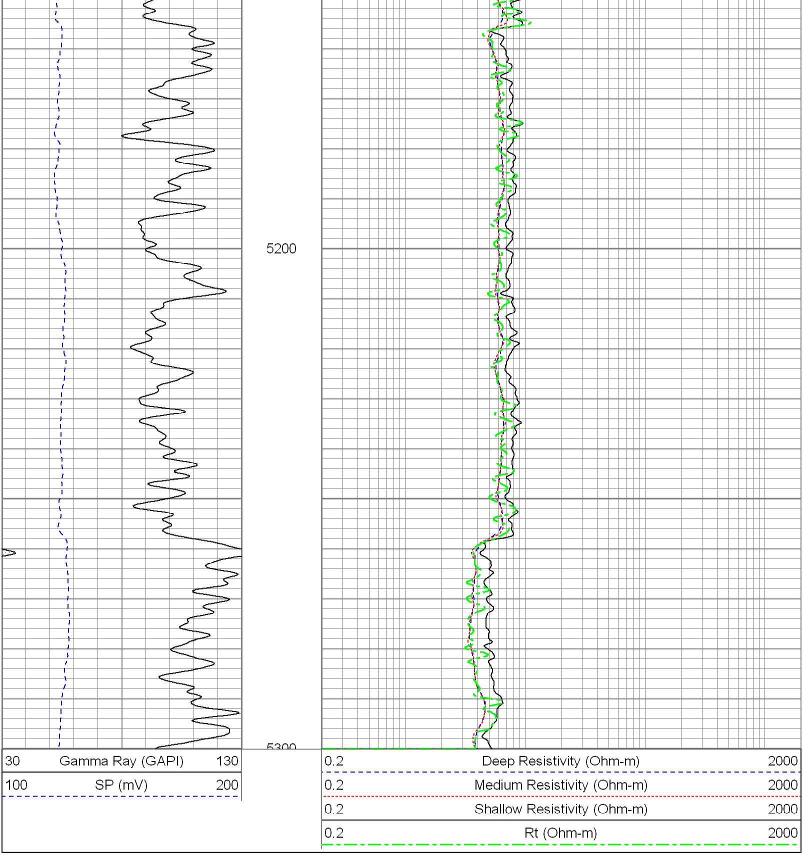

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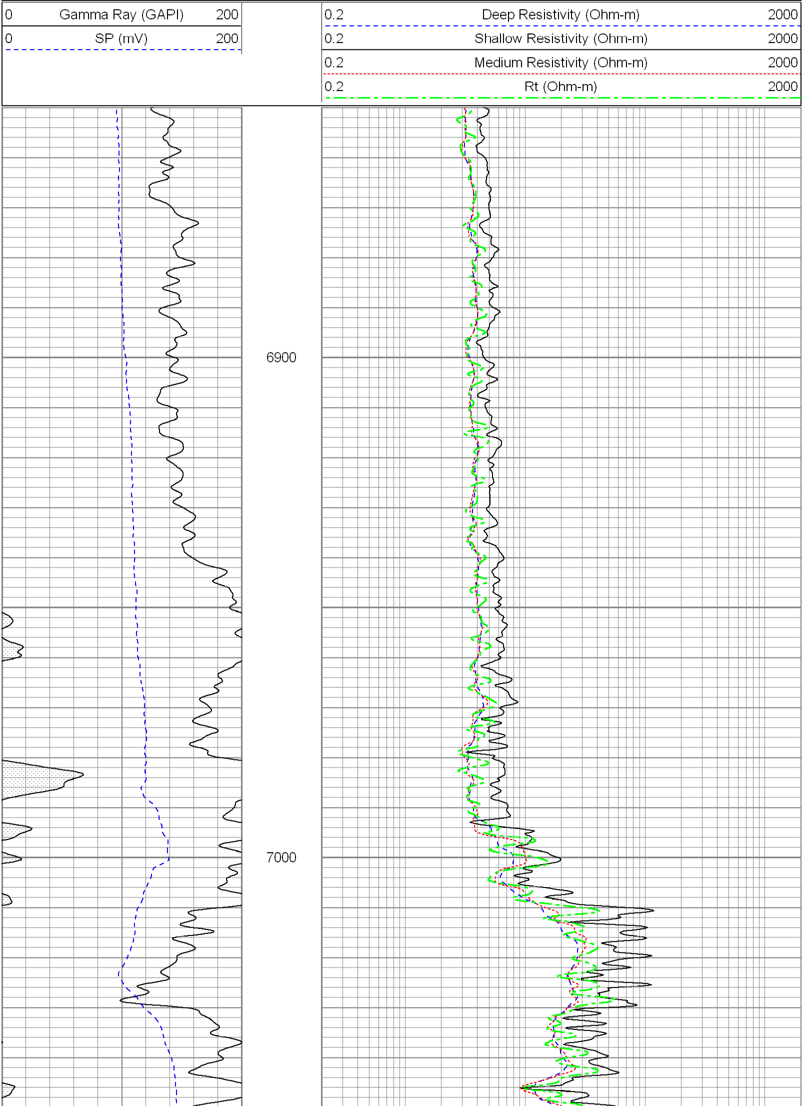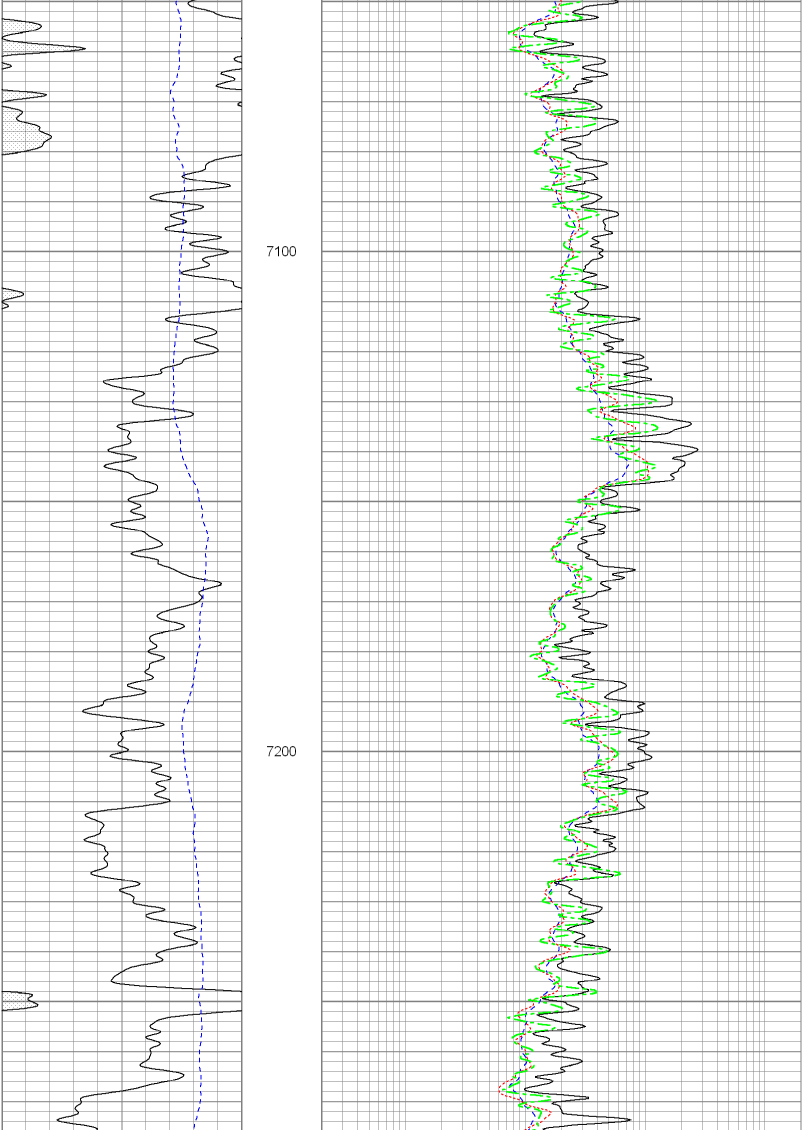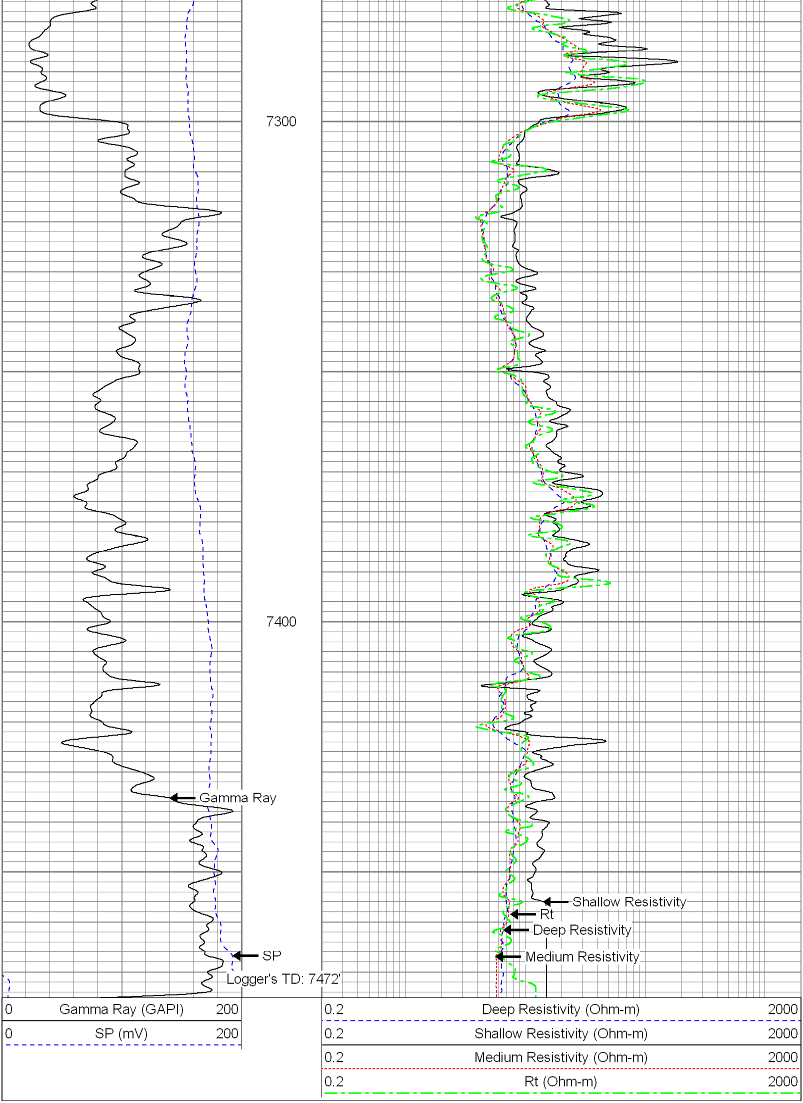
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Rt (Ohm-m) 2000
6900
7000