PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	**Great Western Oil & Gas LLC**
Well	**Great Western 27-11**
Field	**Wattenberg**
County	**Weld**
State/Province	**Colorado**

Location
SHL: 2329' FNL & 2105' FWL SE NW
BHL: 676' FNL & 601' FWL NW NW
Sec. 27, Twp. 6N, Rge. 67W

Other Services
Density
Neutron

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

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

Date	September 29, 2009		
Run Number	1		
Depth Driller	7779		
Depth Logger	7773		
Bottom Logged Interval	7773		
Top Log Interval	Casing		
Casing Driller	423		
Casing Logger	423		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 60		
pH / Fluid Loss	9.0 / 8.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.11 @ 87° F		
Rmf @ Meas. Temp	2.50 @ 87° F		
Rmc @ Meas. Temp	3.48 @ 87° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.16 @ 211° F		
Time Circulation Stopped	0600		
Time Logger on Bottom	1345		
Maximum Recorded Temperature	211° F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Jay Pape	Larry Goolsby	

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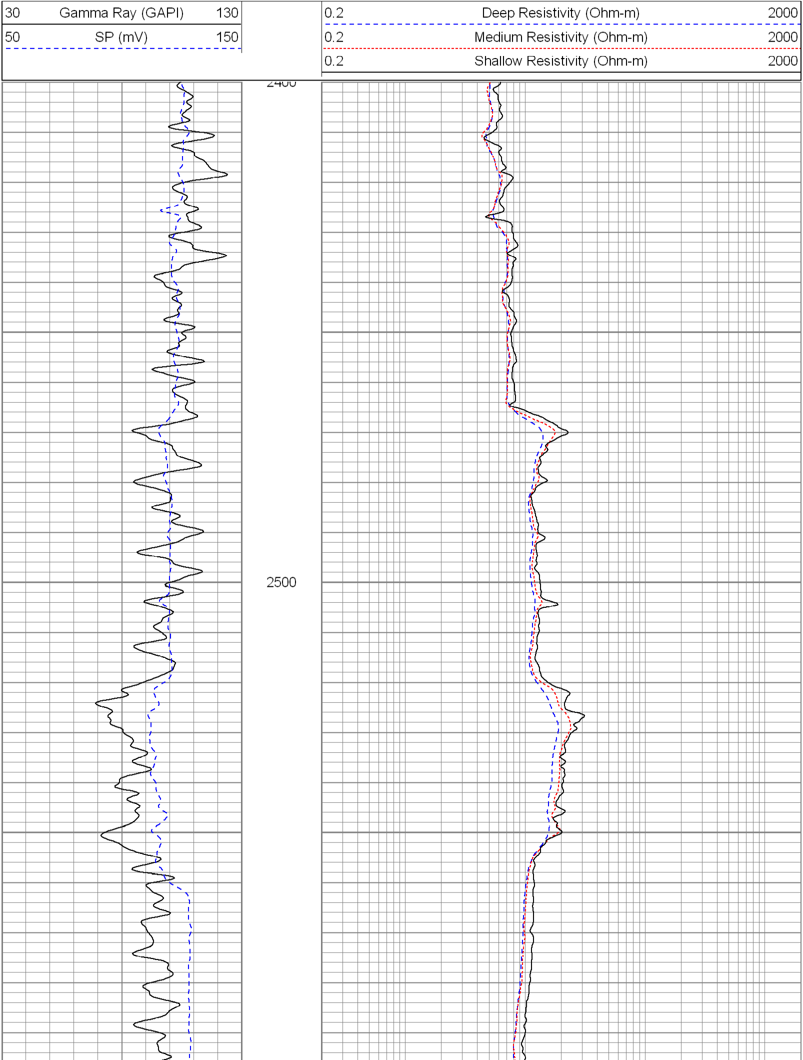
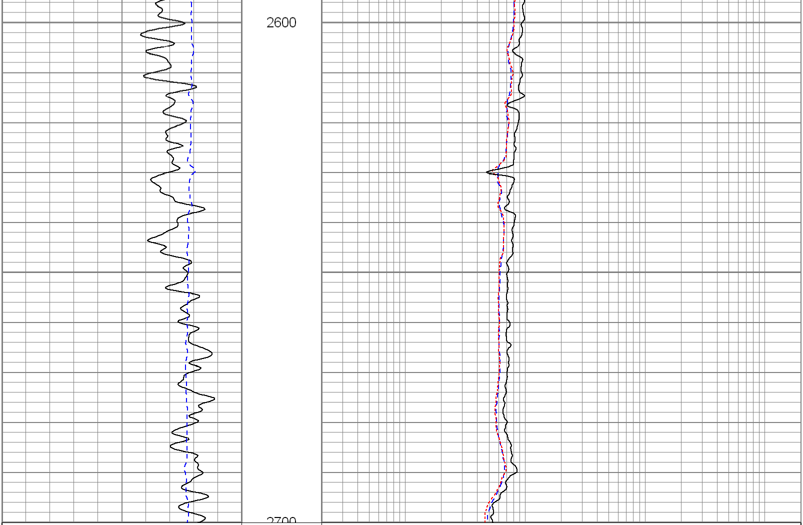
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 #: 05-123-29049-00

Database File: 10090.db
Dataset Pathname: final
Presentation Format: dil1
Dataset Creation: Tue Sep 29 14:59:07 2009
Charted by: Depth in Feet scaled 1:240





30 Gamma Ray (GAPI) 130
50 SP (mV) 150

0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000

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Presentation Format:	dil1
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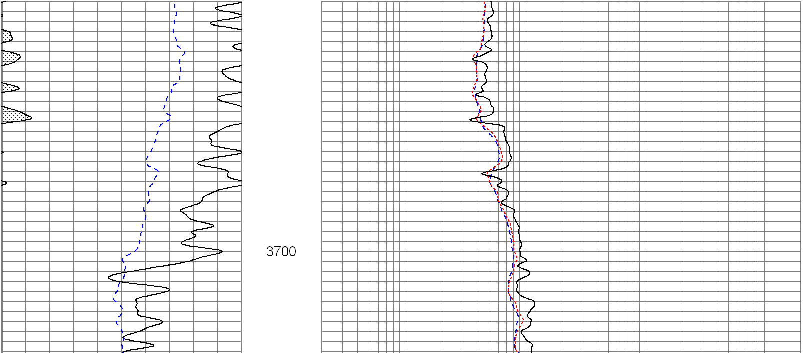

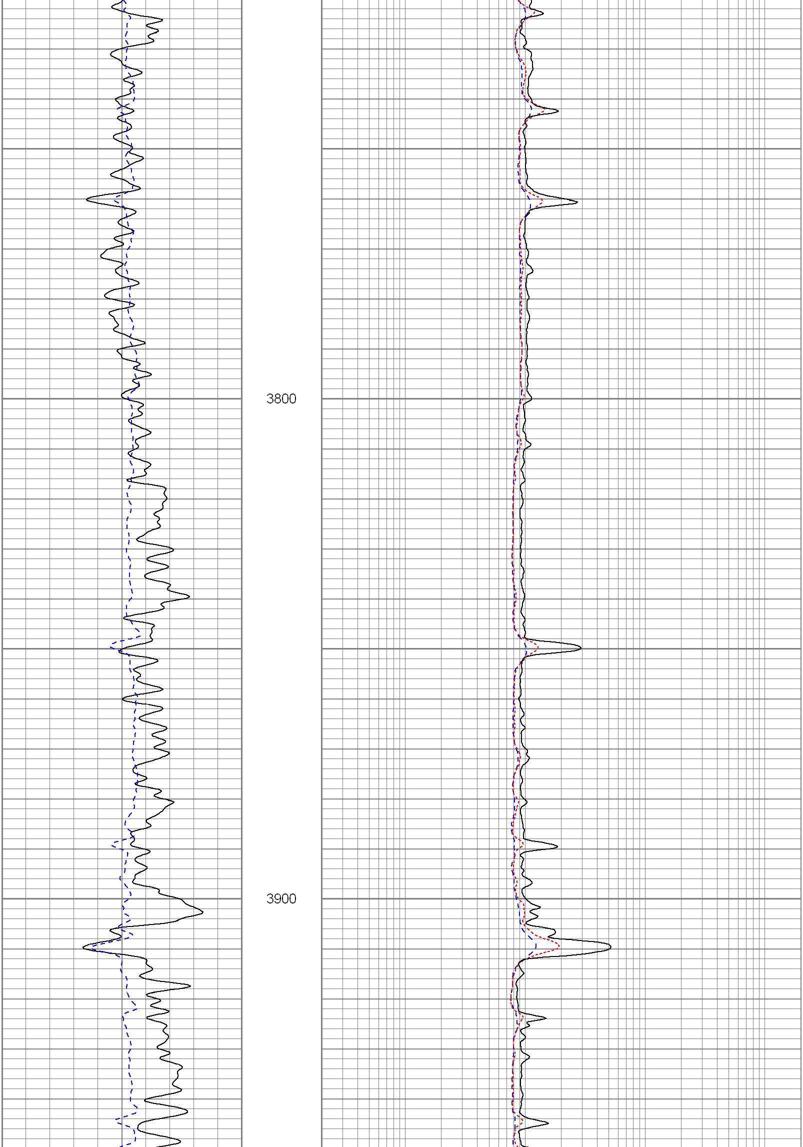

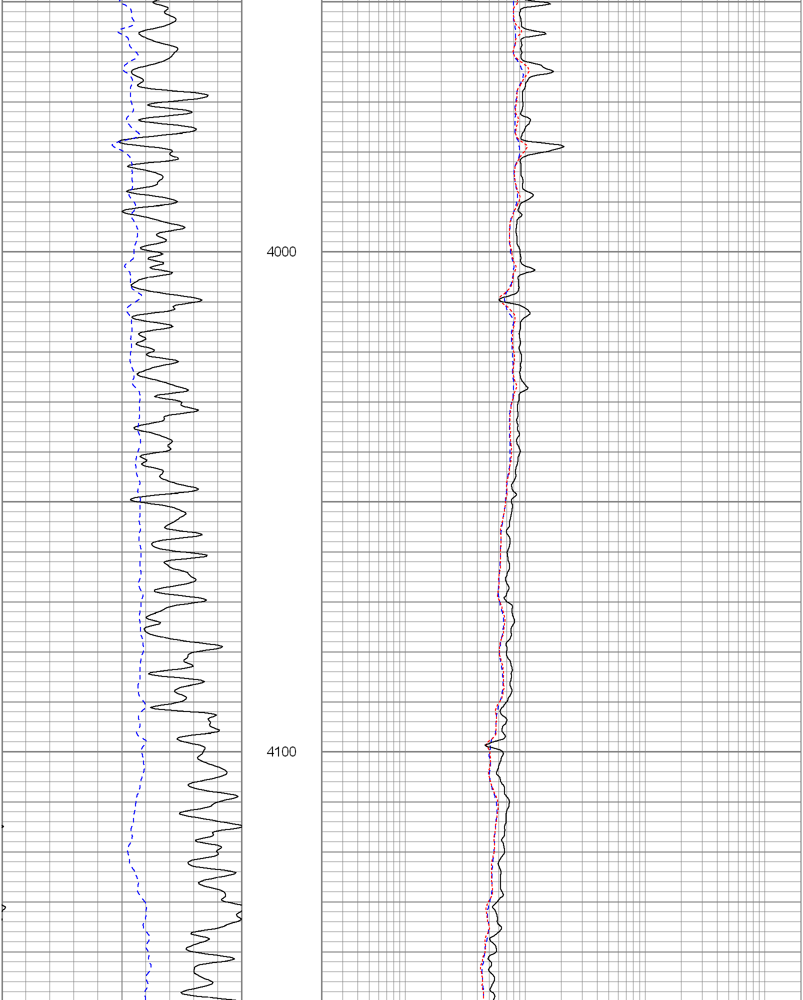

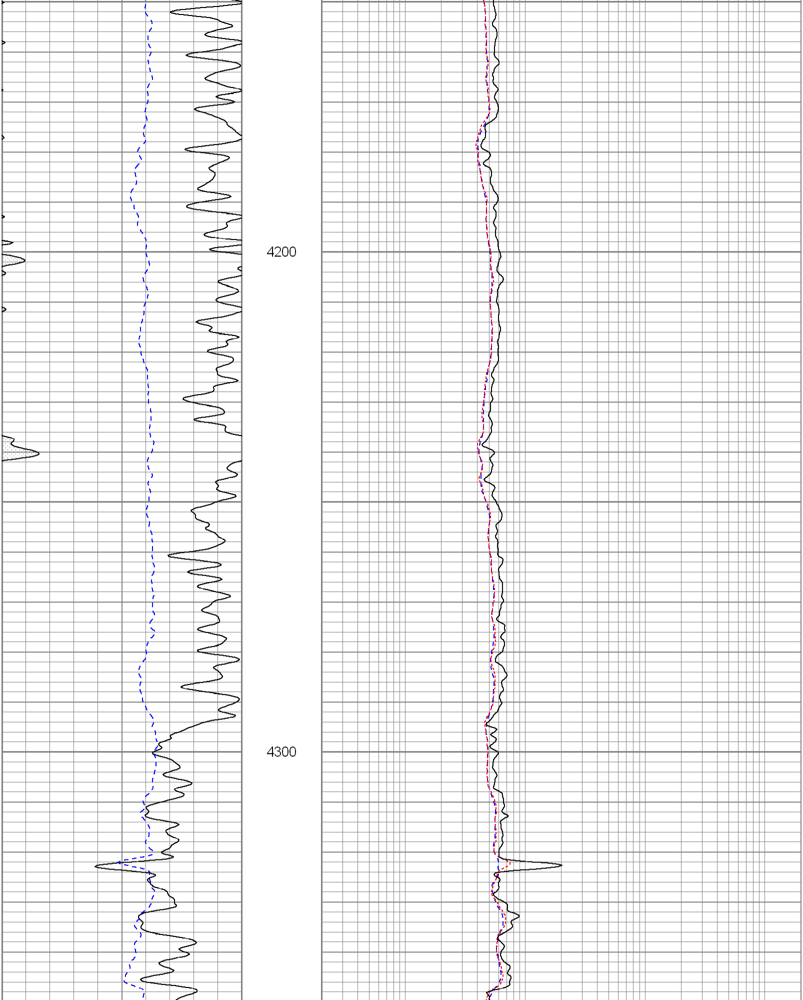

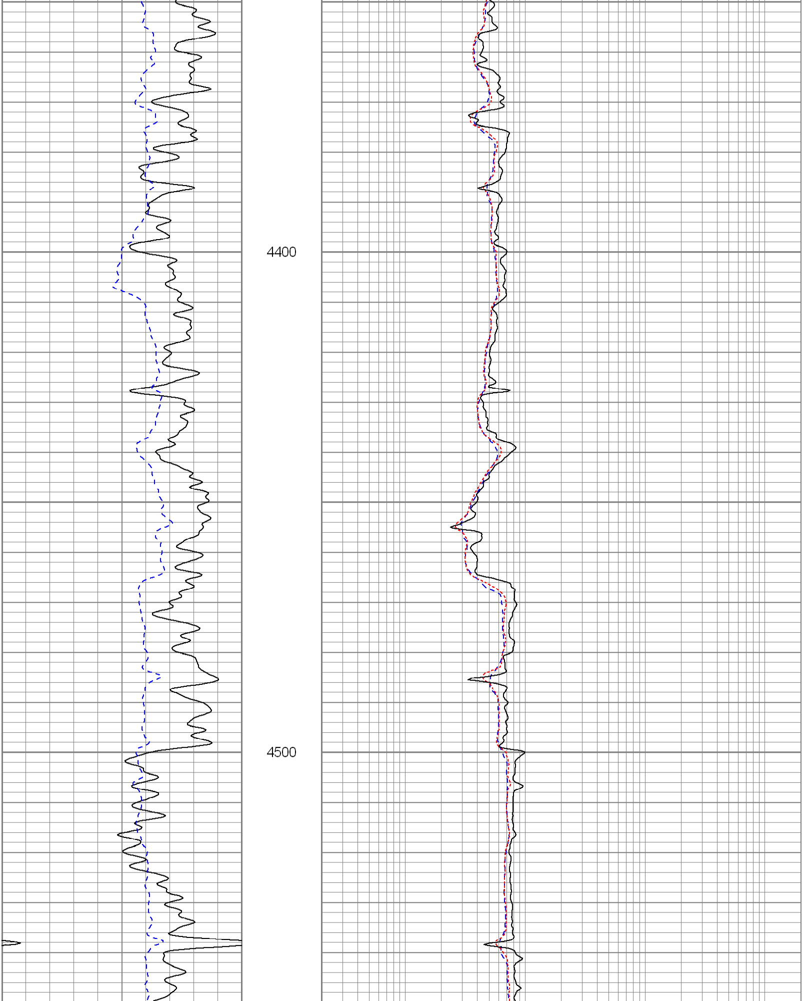

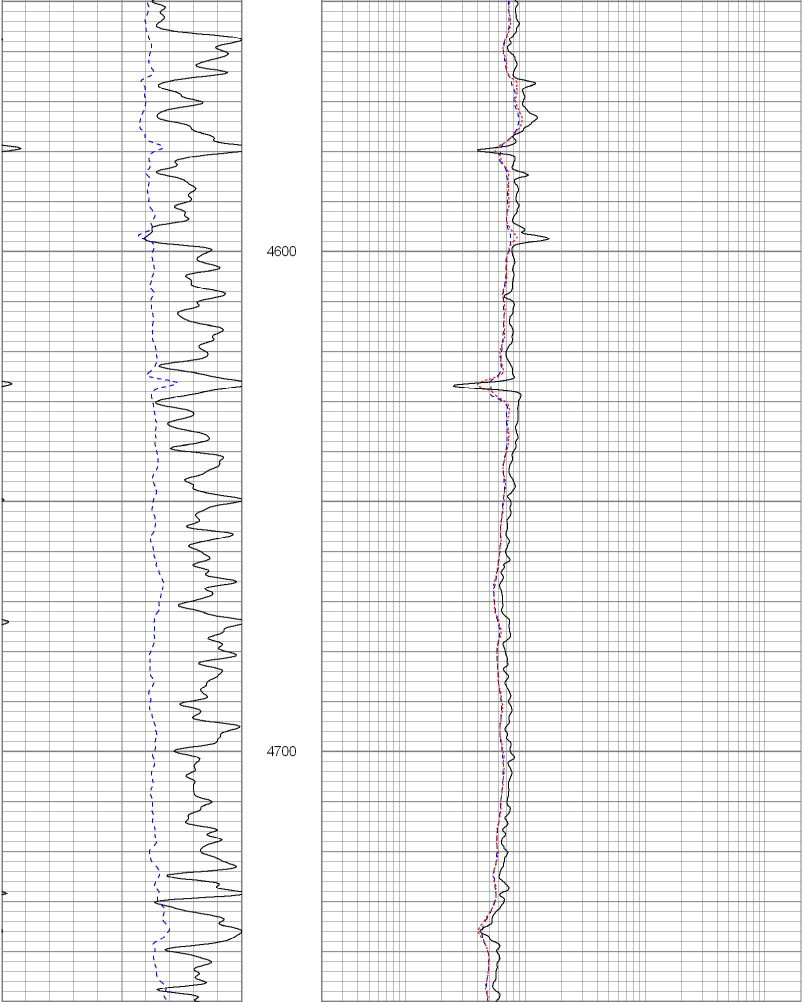

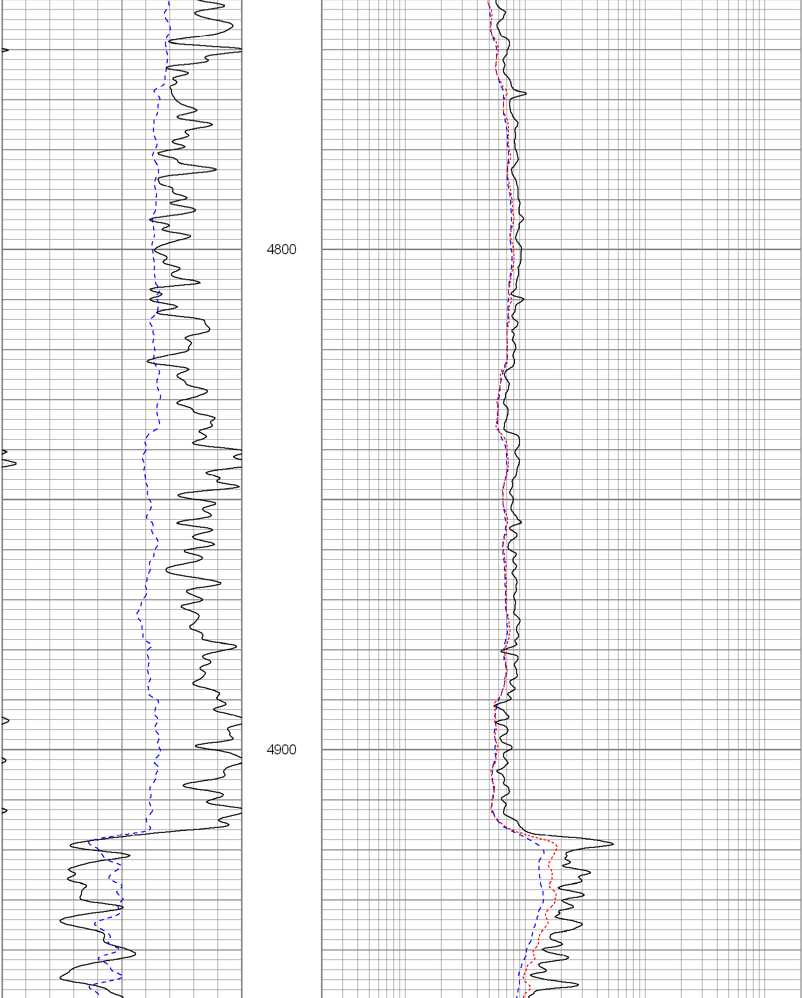

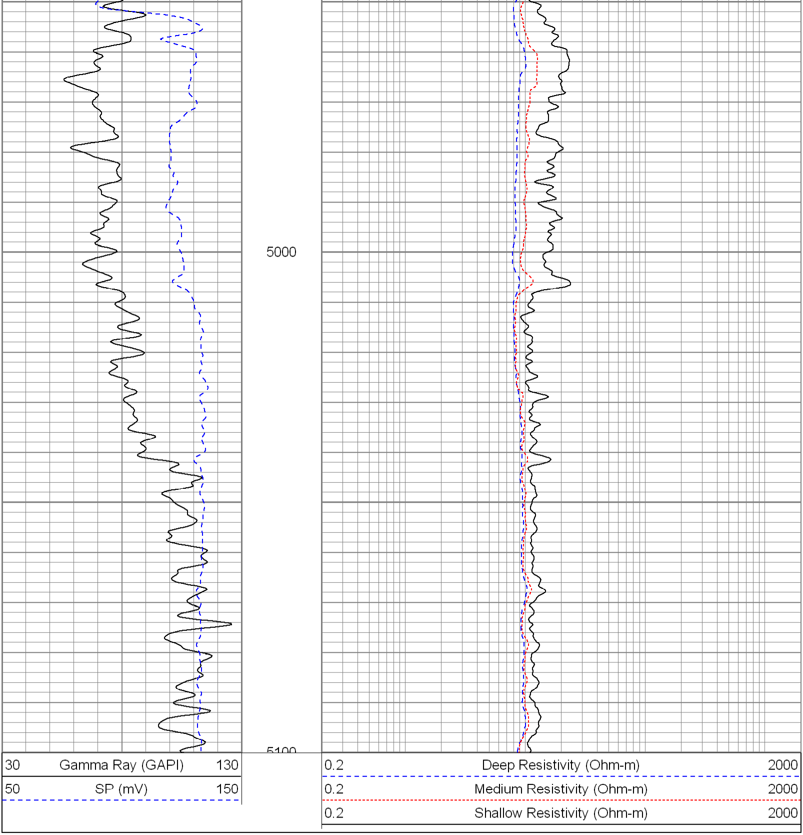

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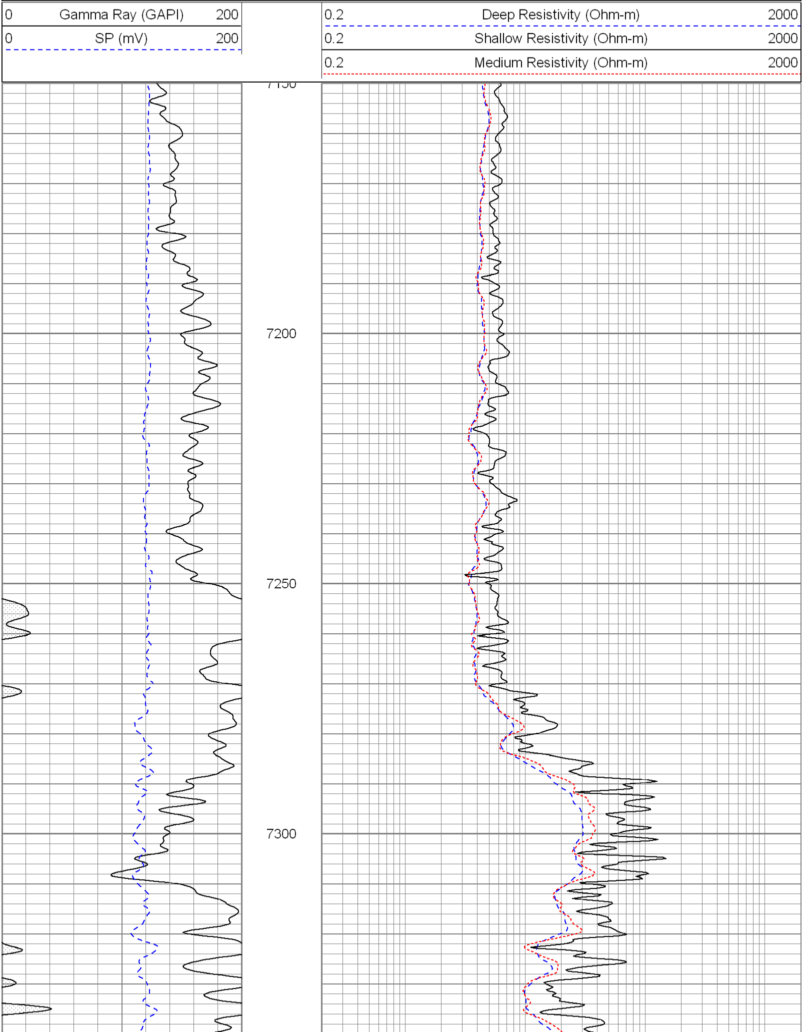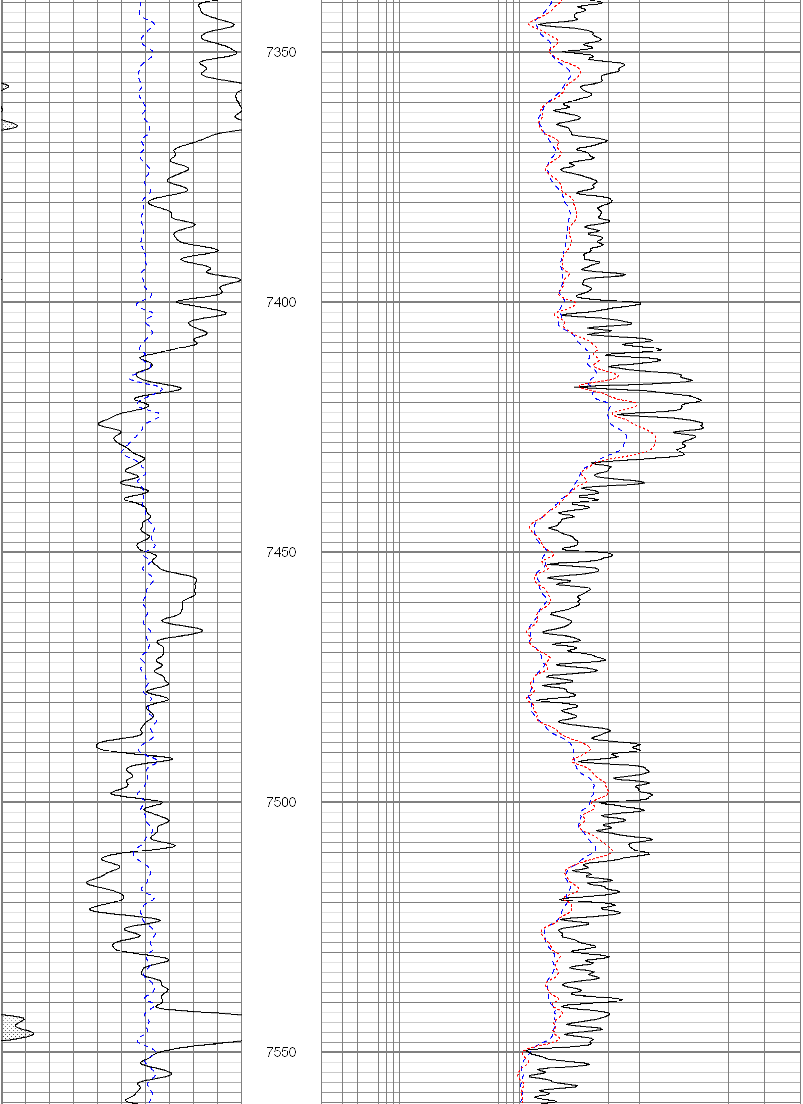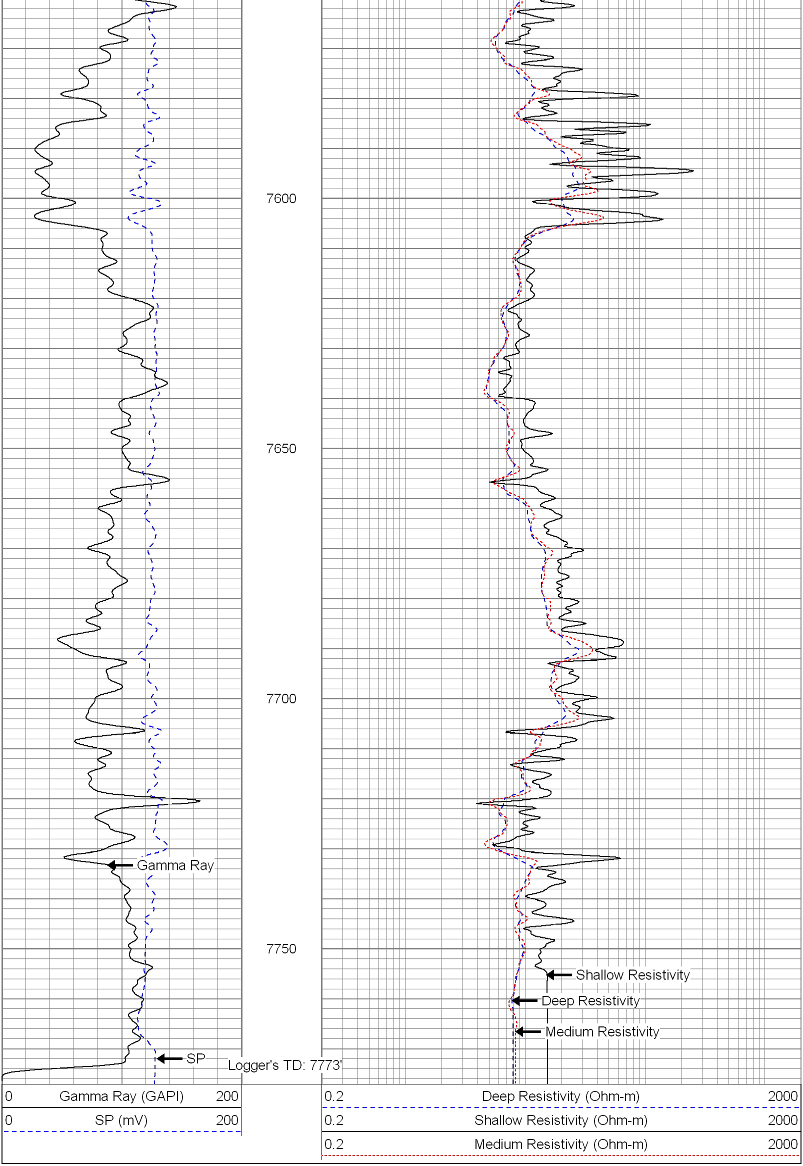
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0.2 Medium Resistivity (Ohm-m) 2000
7150
7200
7250
7300