PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION

Company Great Western Oil & Gas LLC
Well Hood 6-2-20
Field Wattenberg
County Weld State/Province Colorado

Company
Well
Field
County
State/Prv

Location SHL: 659' FSL & 653' FEL SE SE
Sec. 17, Twp. 6N, Rge. 66W
BHL: 1302' FNL & 1240' FEL NE NE
Sec. 20, Twp. 6N, Rge. 66W

Other Services
Density
Neutron

Permanent Datum	GL	Elevation	4771
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4785
D.F. 4784
G.L. 4771

Date	November 26, 2011		
Run Number	1		
Depth Driller	7663		
Depth Logger	7653		
Bottom Logged Interval	7653		
Top Log Interval	Casing		
Casing Driller	690		
Casing Logger	690		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 44		
pH / Fluid Loss	8.0 / 10.0		
Source of Sample	Mudpit		
Rm @ Meas. Temp	3.18 @ 74° F		
Rmf @ Meas. Temp	2.54 @ 74° F		
Rmc @ Meas. Temp	3.82 @ 74° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.14 @ 206° F		
Time Circulation Stopped	0545		
Time Logger on Bottom	1215		
Maximum Recorded Temperature	206° F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Randy Conley		
Witnessed By	Jay Pape	Tekabe Gedamu	

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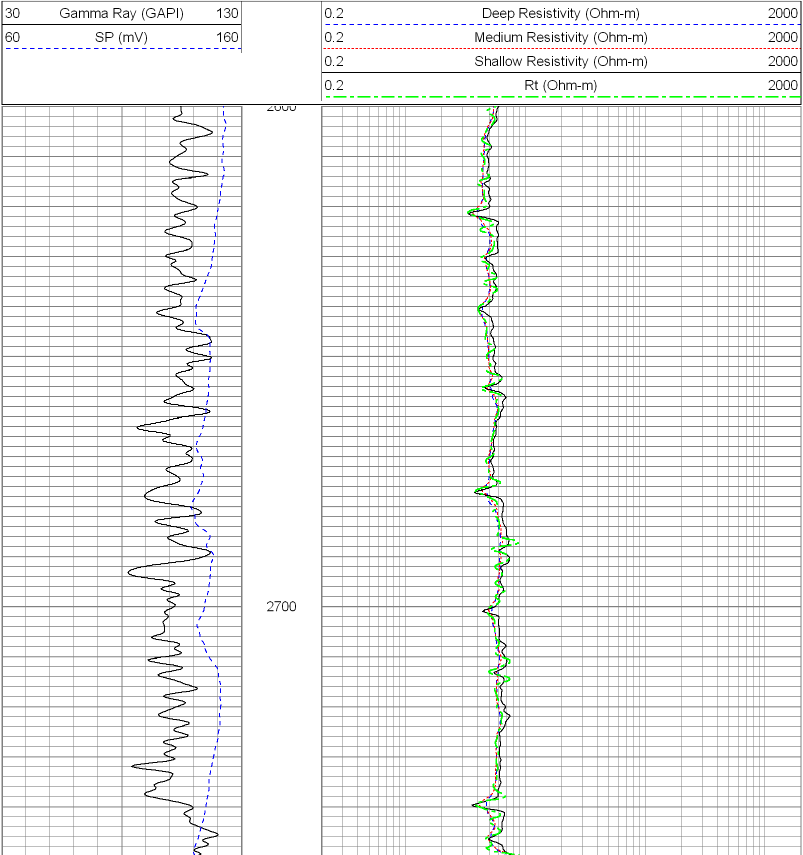
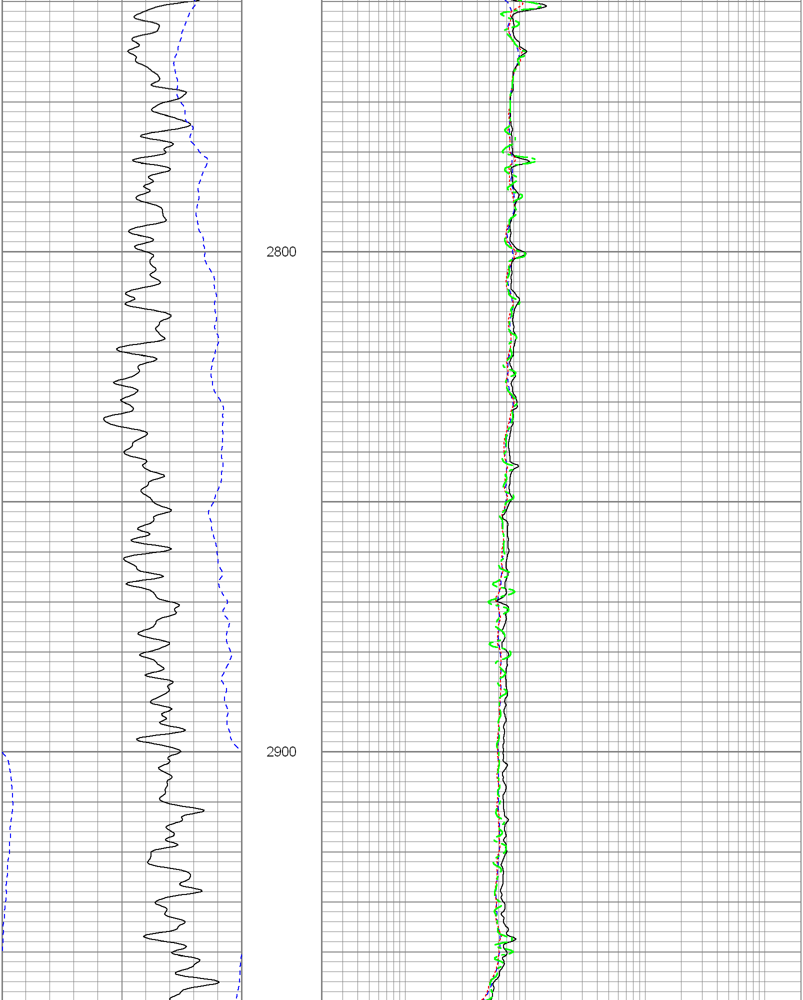
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

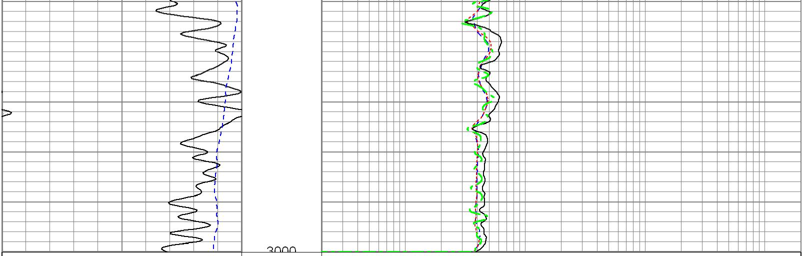
Comments

Annular volume calculated for 4-1/2" casing
Cade Drilling Rig 22
Thank you for using Phoenix Surveys!!
API #: 05-123-33252-00

Database File:	12204.db
Dataset Pathname:	final
Presentation Format:	dil1
Dataset Creation:	Sat Nov 26 12:34:39 2011
Charted by:	Depth in Feet scaled 1:240







30 Gamma Ray (GAPI) 130
60 SP (mV) 160

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

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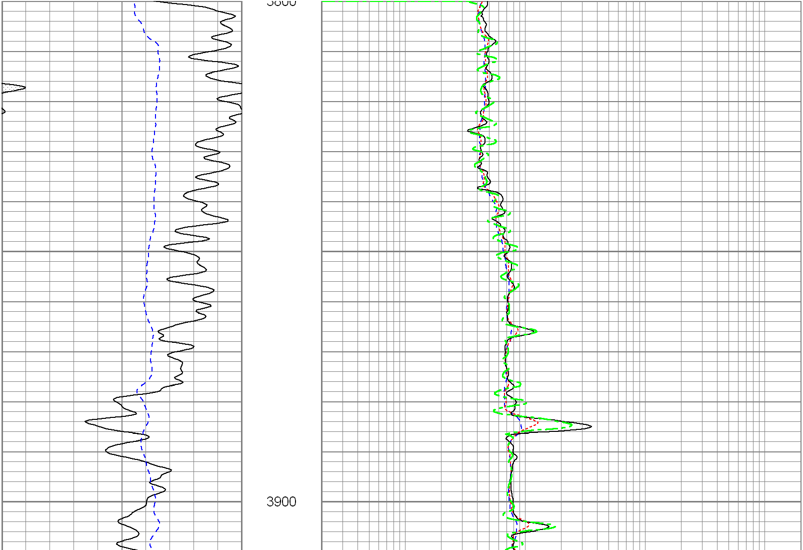

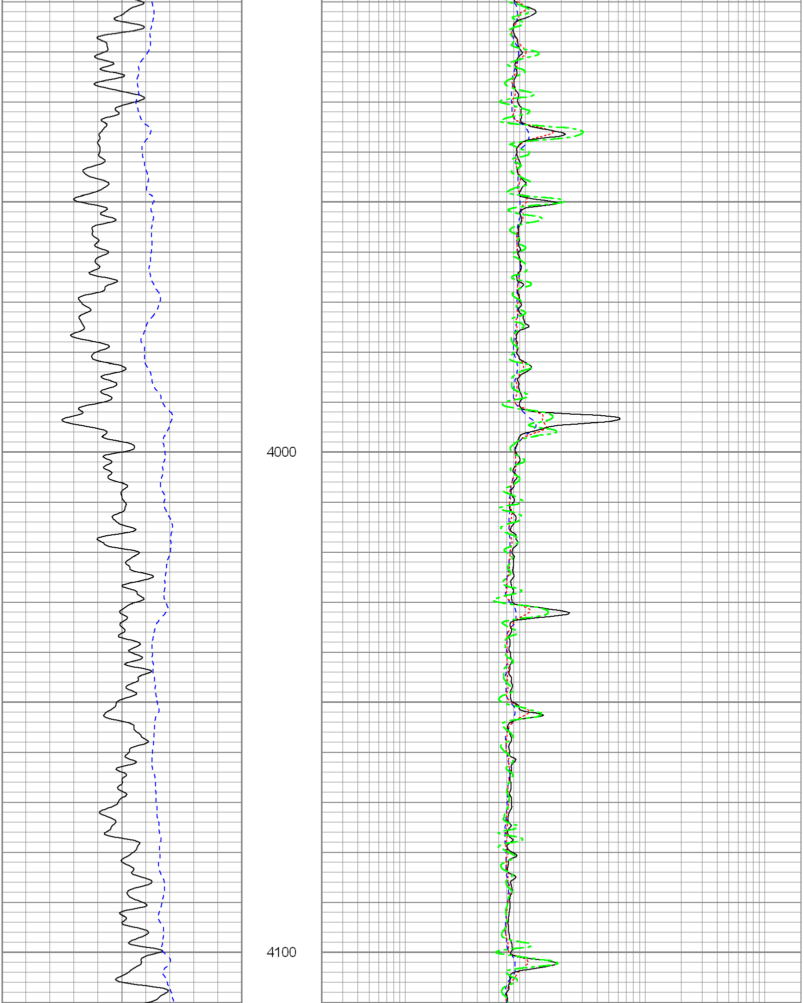

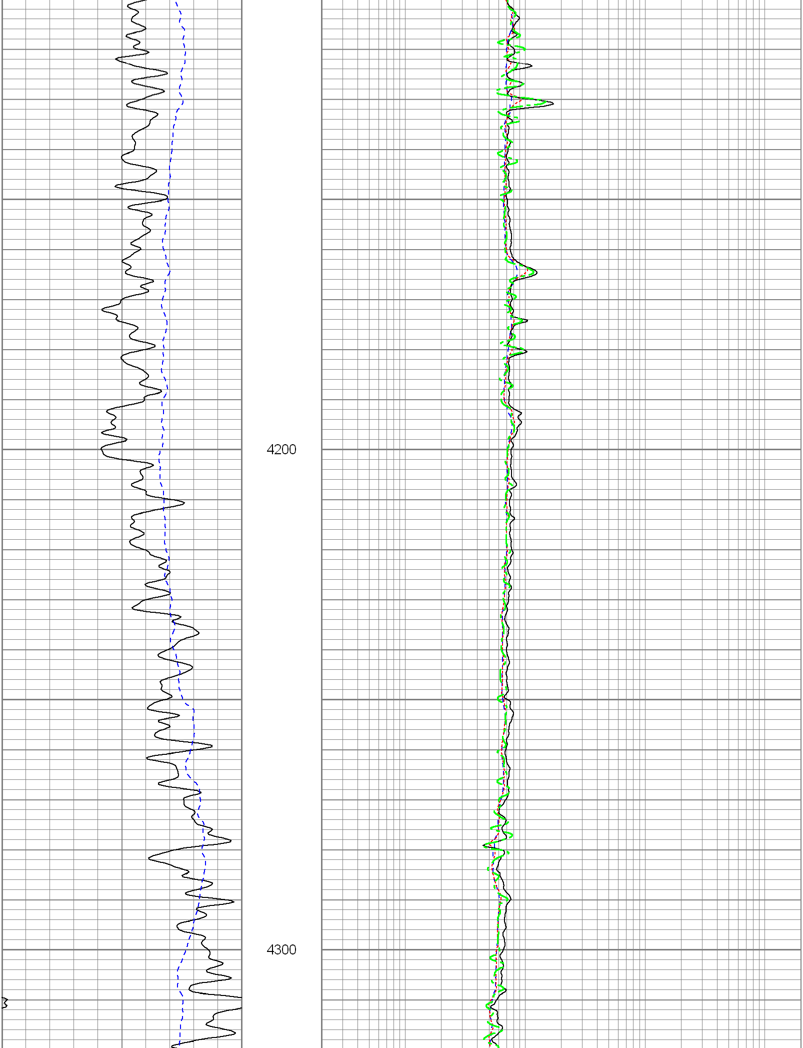

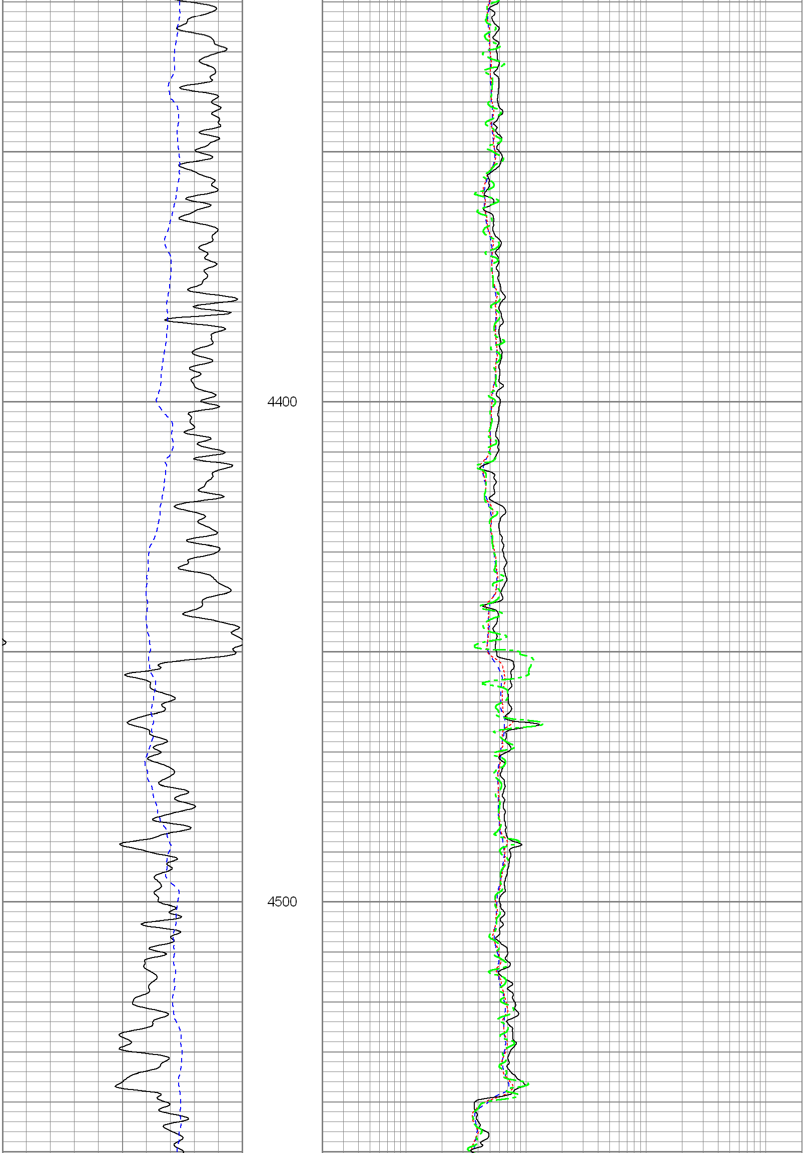

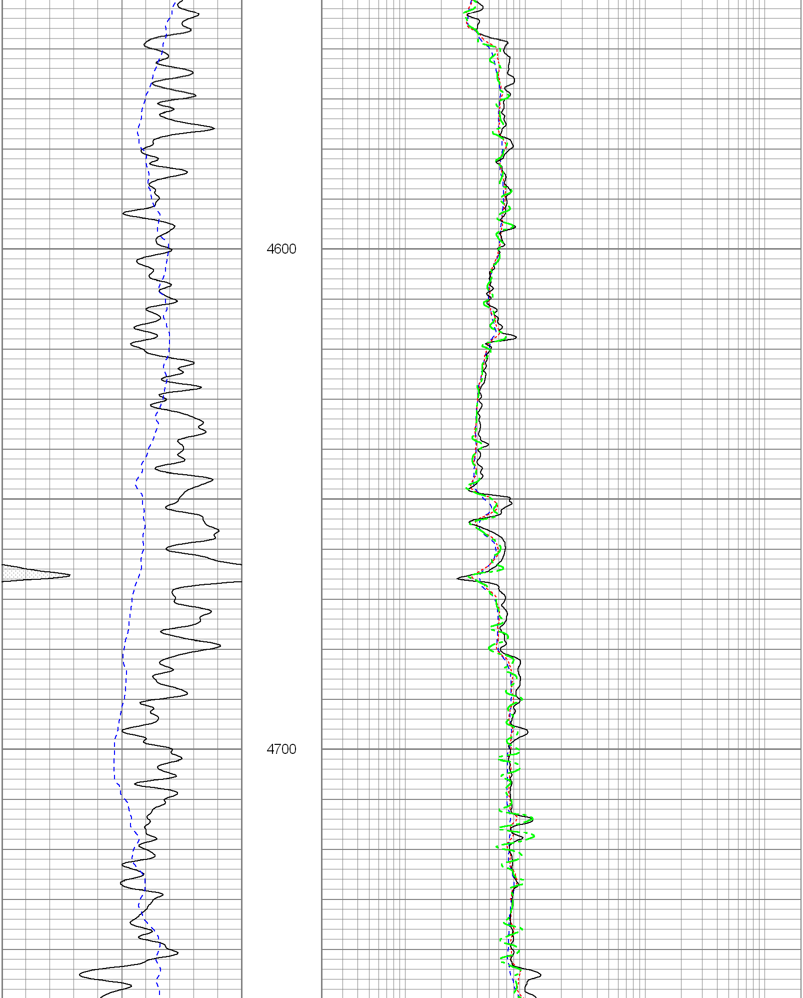

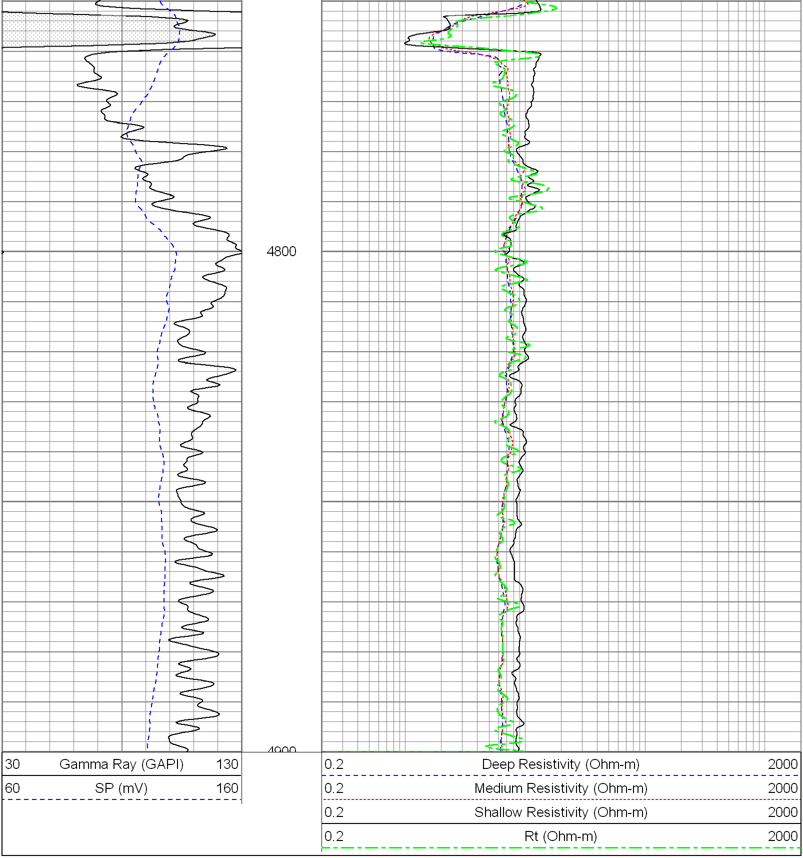

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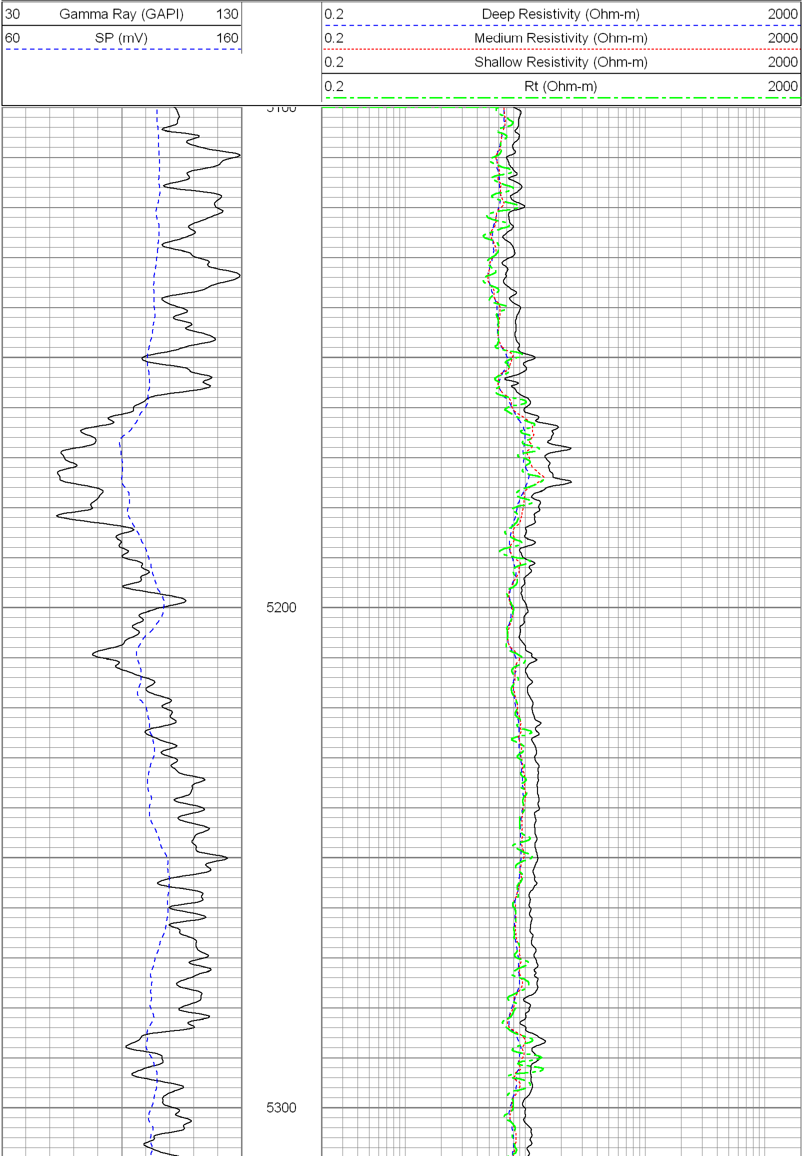

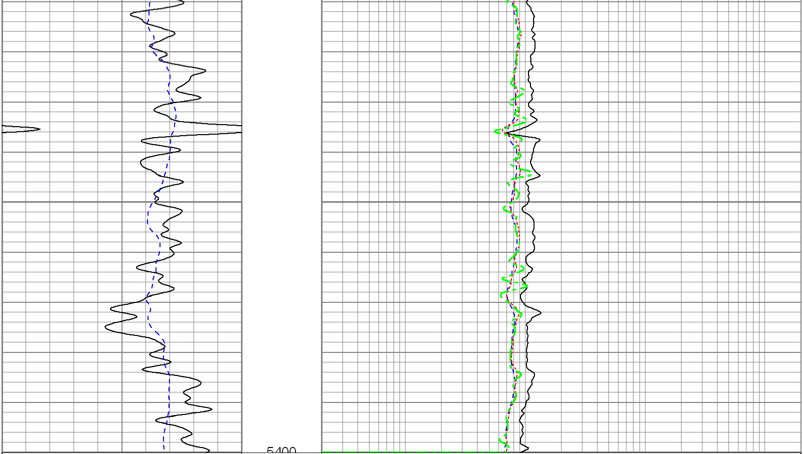

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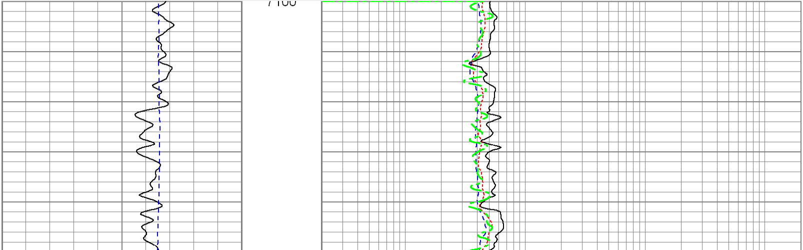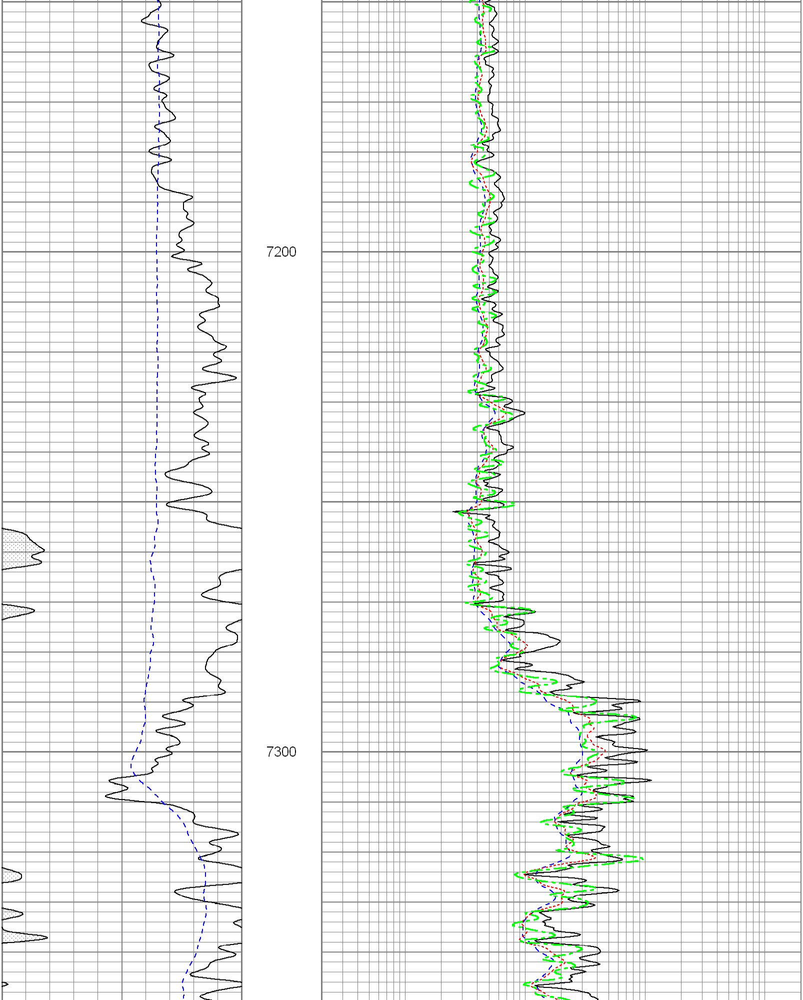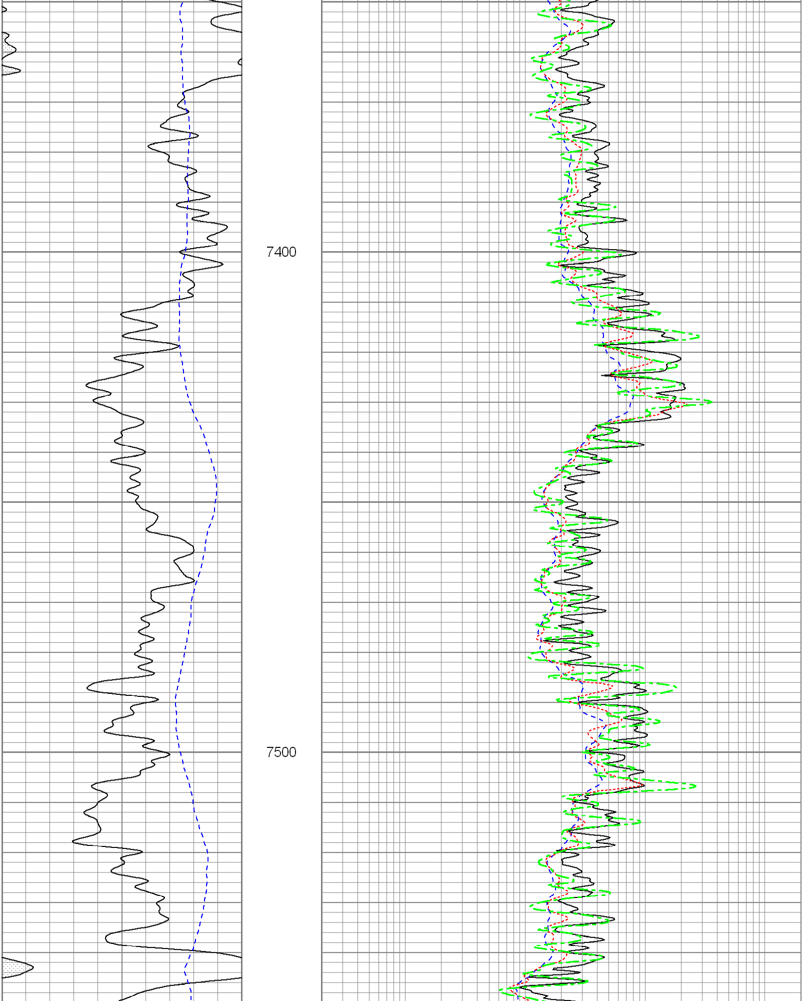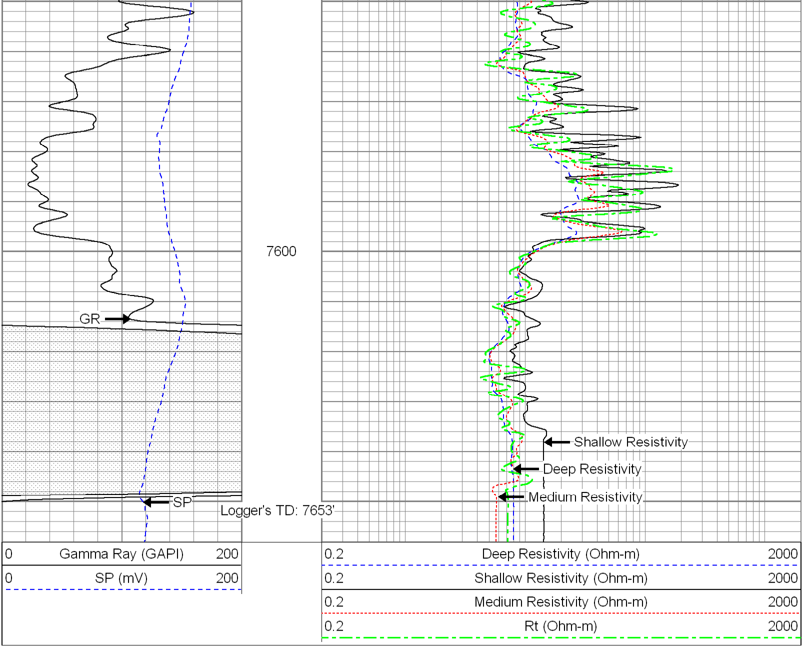0.2	Deep Resistivity (Ohm-m)	2000
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