PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas, LLC		
Well	Great Western 27-31		
Field	Wattenberg		
County	Weld	State/Province	Colorado

Location
SHL: 1367' FNL & 1221' FEL
BHL: 662' FNL & 1958' FEL
NW NE Sec. 27, Twp. 6N, Rge. 67W

Other Services
Density
Neutron

Permanent Datum	GL	Elevation	4764
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4774
D.F. 4773
G.L. 4764

Date	Feburary 3, 2007		
Run Number	1		
Depth Driller	7420		
Depth Logger	7415		
Bottom Logged Interval	7415		
Top Log Interval	Casing		
Casing Driller	412		
Casing Logger	412		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 51		
pH / Fluid Loss	9.0 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.65 @ 75° F		
Rmf @ Meas. Temp	2.92 @ 75° F		
Rmc @ Meas. Temp	4.38 @ 75° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.04 @ 210° F		
Time Circulation Stopped	00:00		
Time Logger on Bottom	0800		
Maximum Recorded Temperature	210° F		
Equipment Number	4078		
Location	Brighton, CO		
Recorded By	Peter Dhaliwal	Matt Gill	
Witnessed By	Jeff Reale	Mark Scanniello	J. Pape

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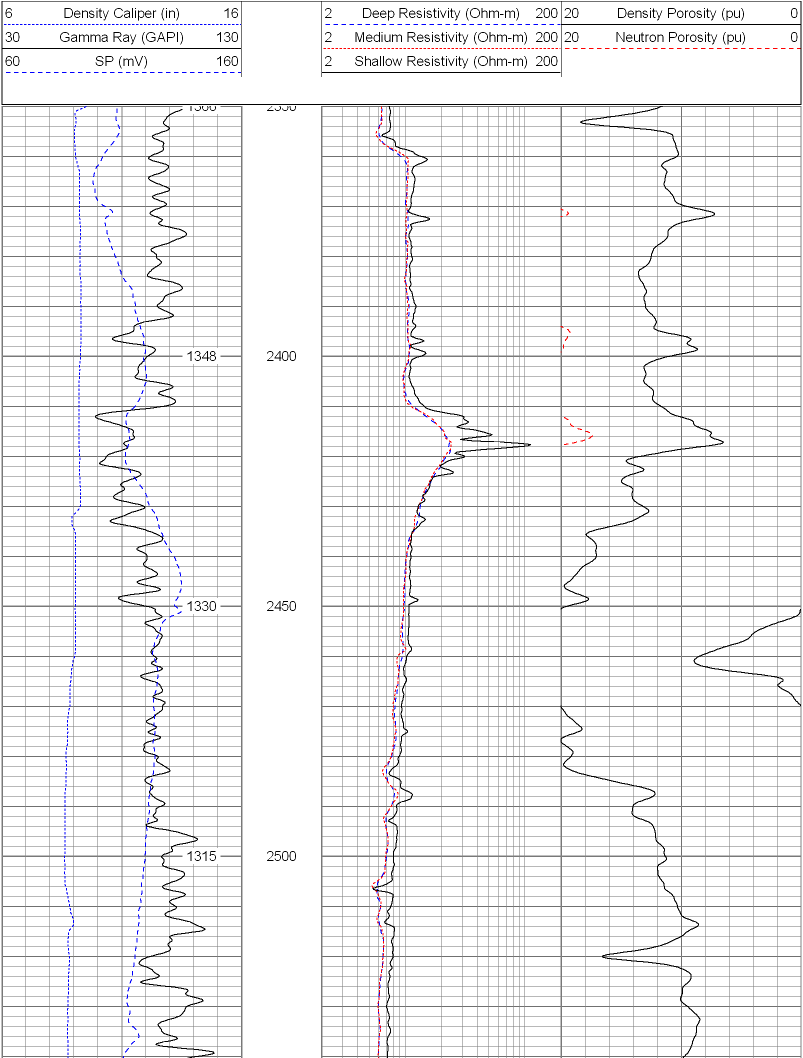
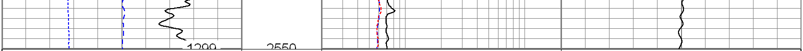
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Drilling Rig 32
Thank you for using Phoenix Surveys!!
API #: 05-123-24283-00

Database File:	6830.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Sat Feb 03 09:23:22 2007
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
60	SP (mV)	160	2	Shallow Resistivity (Ohm-m)	200			

Database File:	6830.db
Dataset Pathname:	pass4
Presentation Format:	pdc1
Dataset Creation:	Sat Feb 03 08:16:41 2007 by Log Open-Cased 051020
Charted by:	Depth in Feet scaled 1:240

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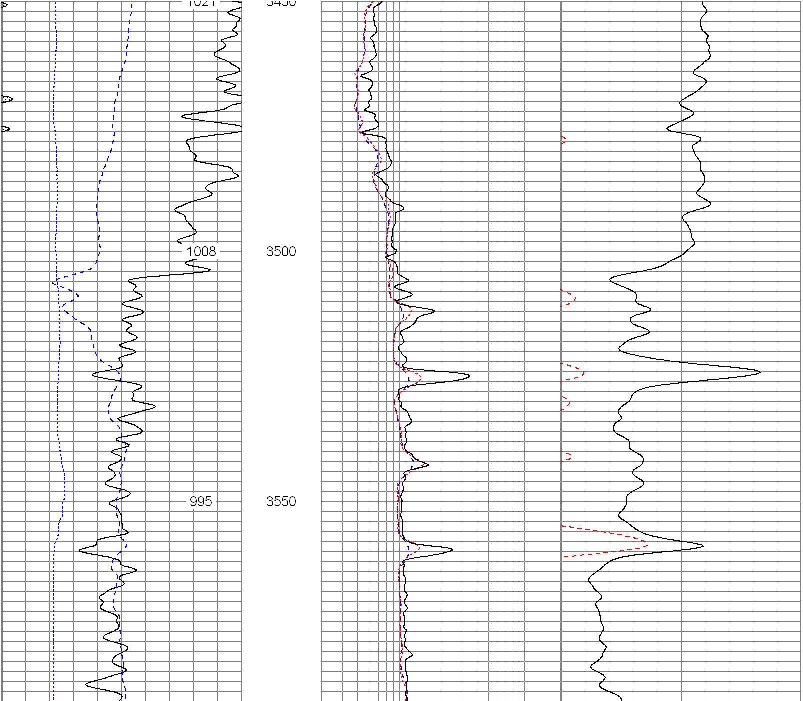

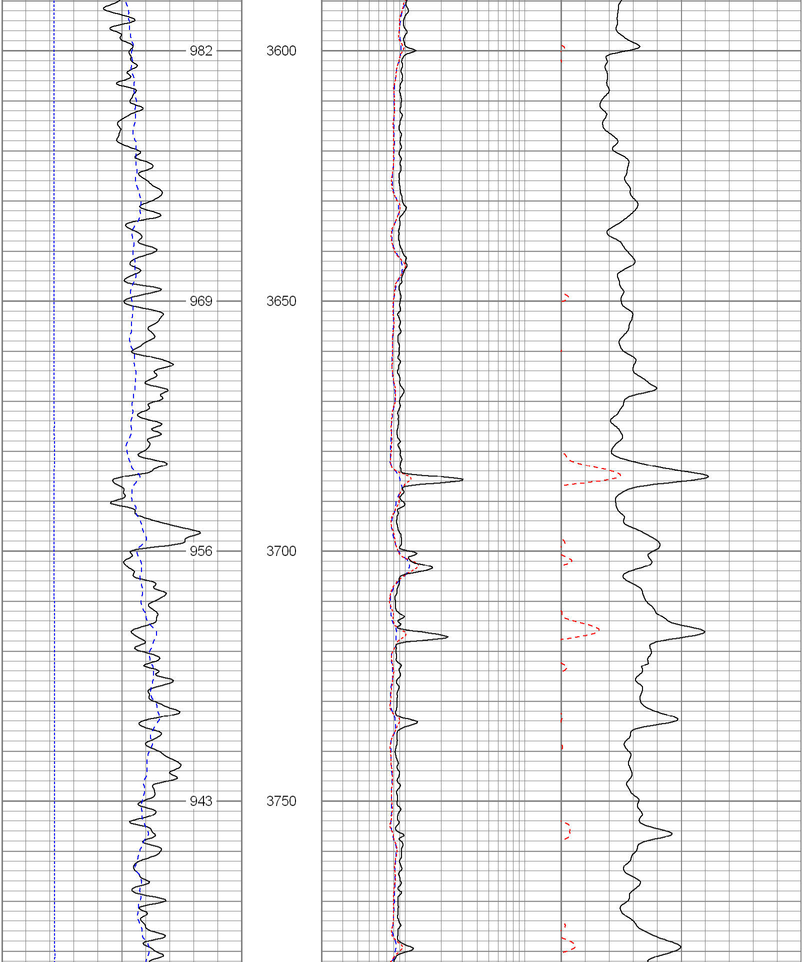

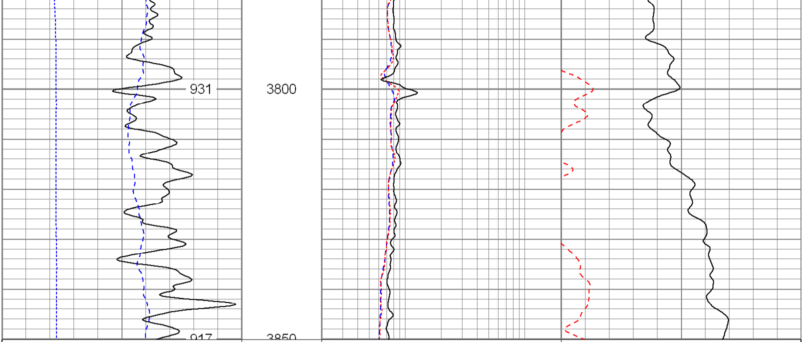

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Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Sat Feb 03 09:23:22 2007
Charted by: Depth in Feet scaled 1:240

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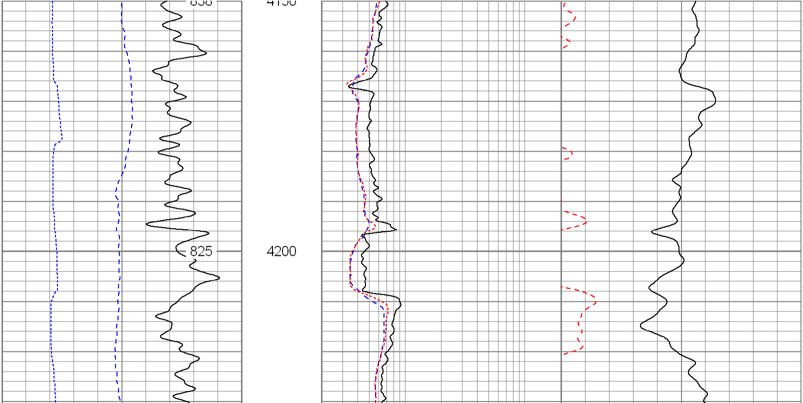

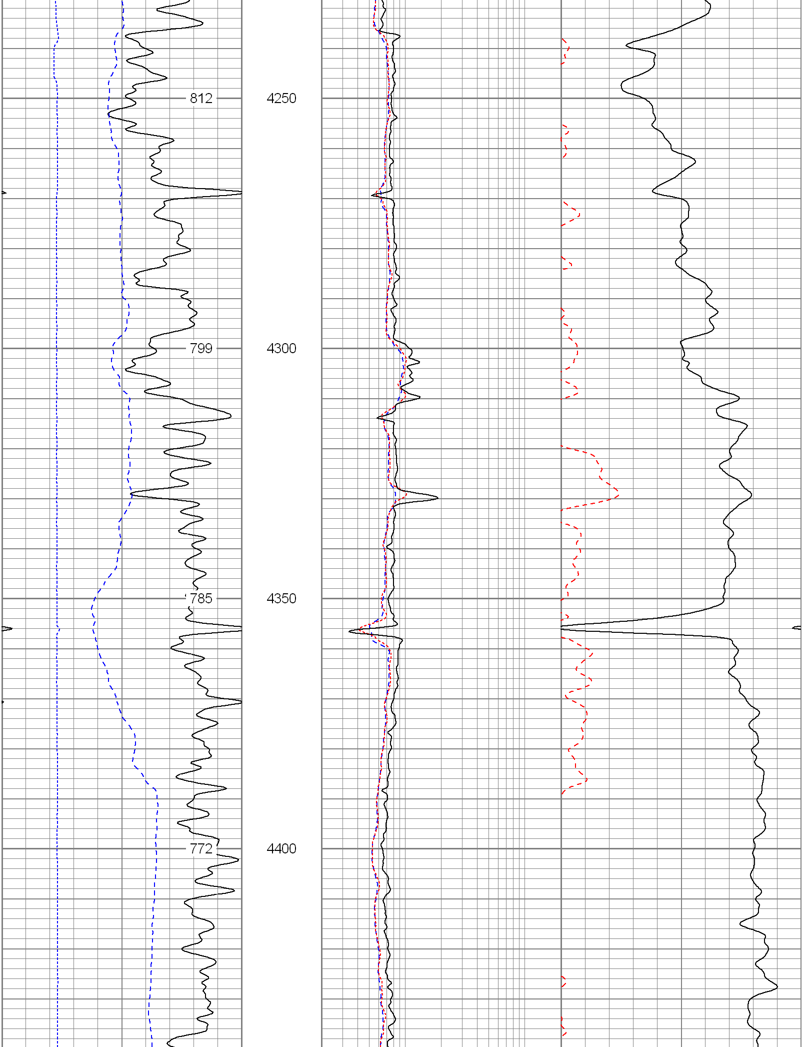

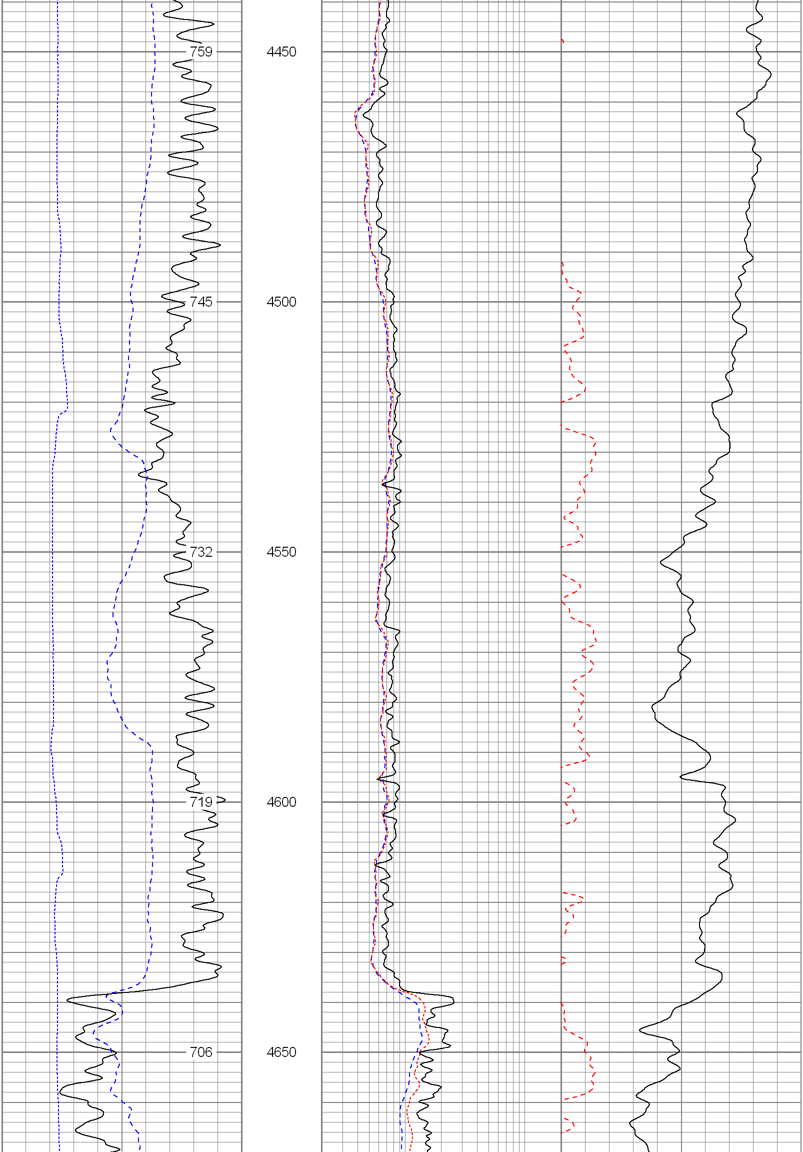

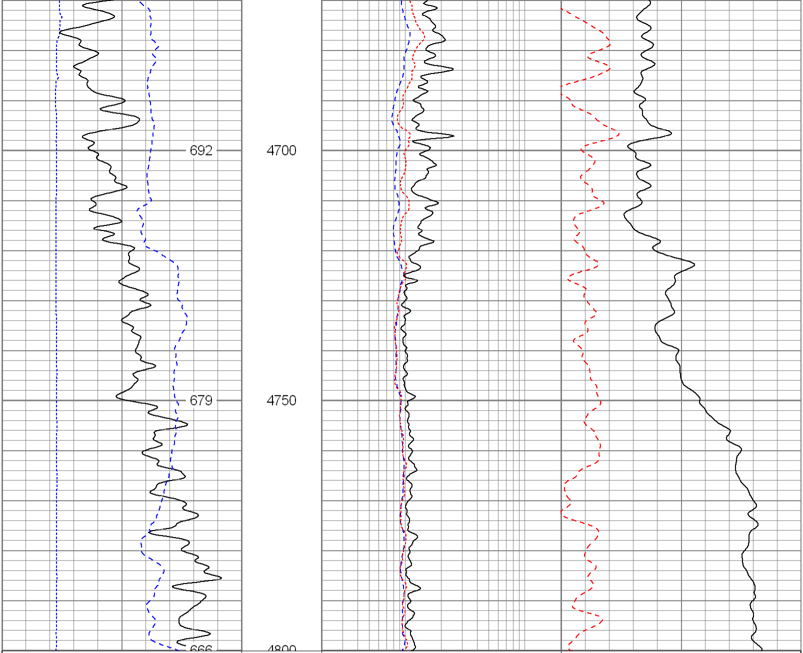

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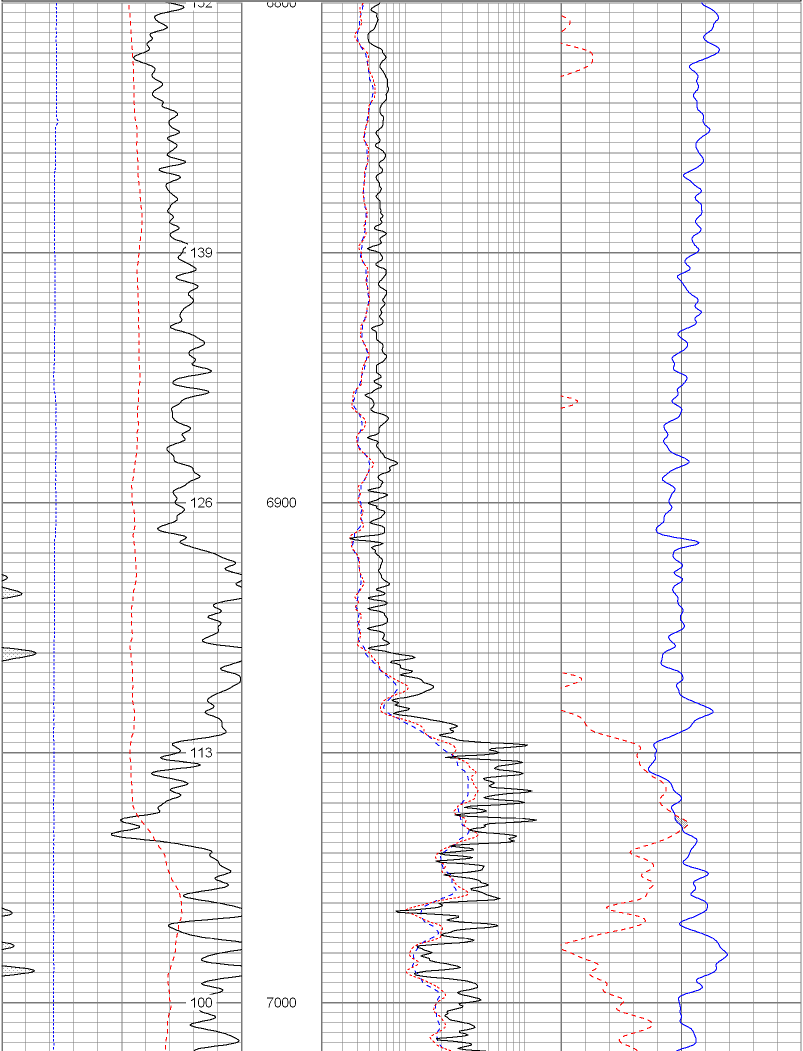

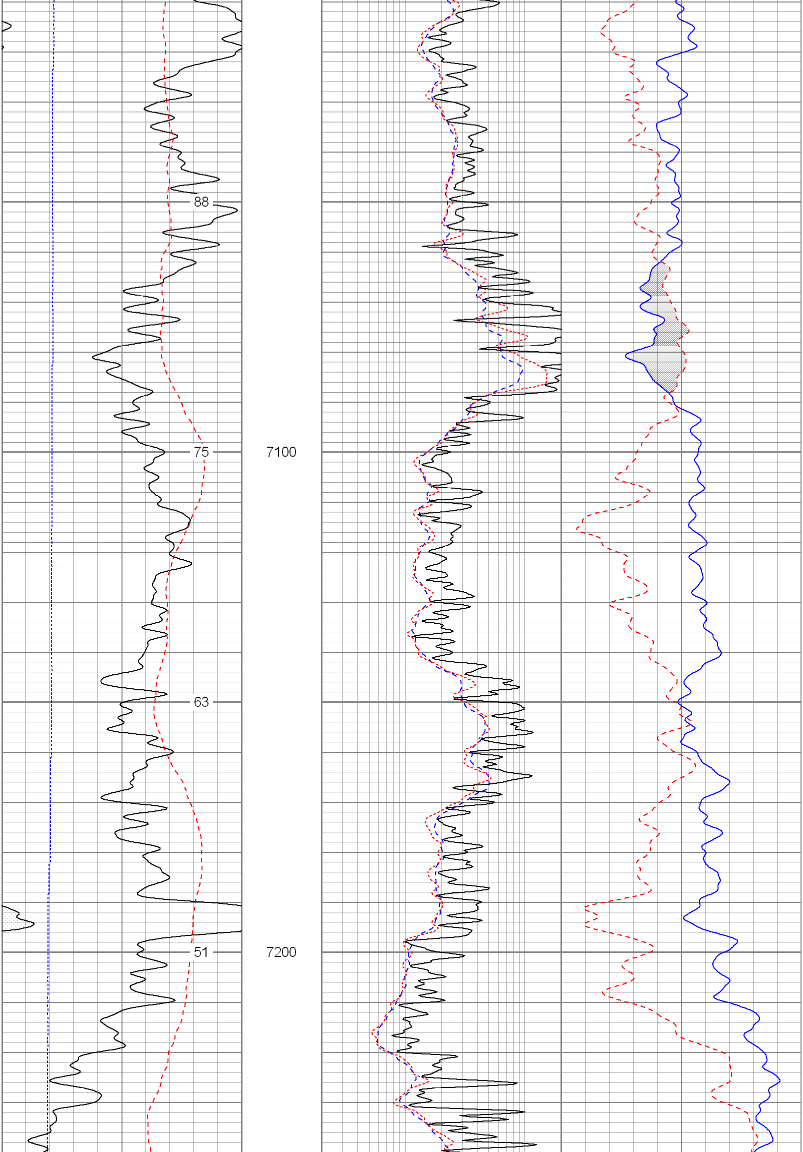

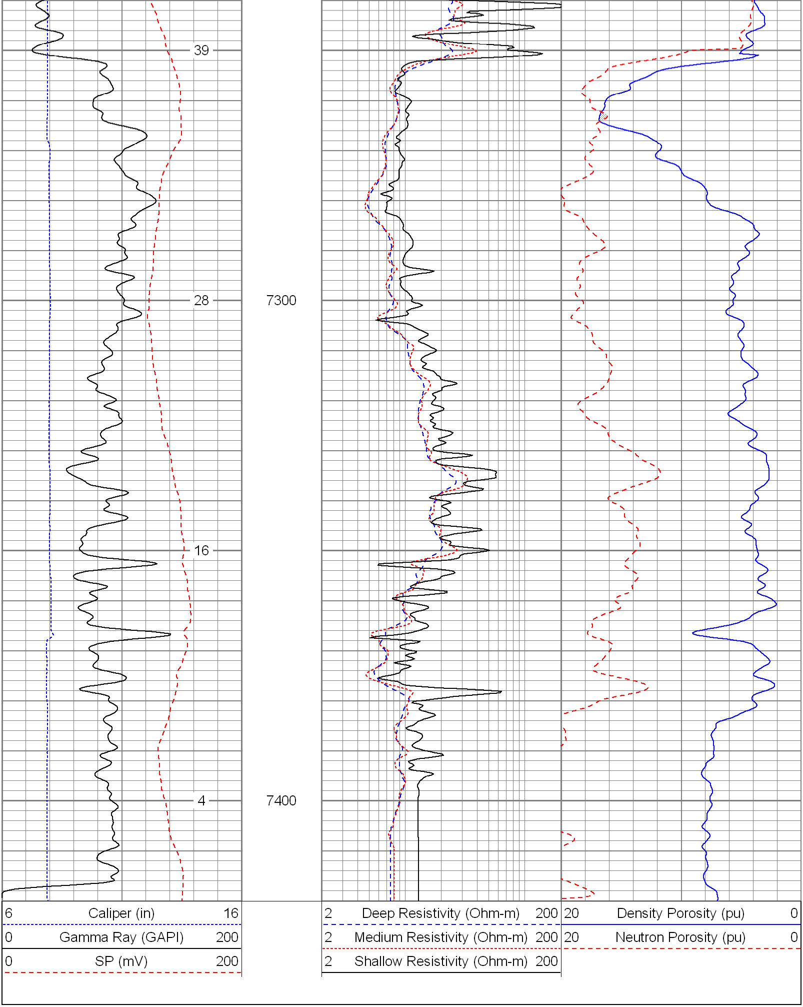
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28
16
4
7300
7400
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