PHOENIX SURVEYS, INC.

DUAL INDUCTION
GUARD LOG
GAMMA RAY

Company
Well
Field
County
State/Prv

Company	Great Western Oil & Gas LLC
Well	Great Western 27-22
Field	Wildcat
County	Weld
State/Province	Colorado

Location
2329' FNL & 2145' FWL
SE 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 18, 2009		
Run Number	1		
Depth Driller	7290		
Depth Logger	7302		
Bottom Logged Interval	7302		
Top Log Interval	Casing		
Casing Driller	440		
Casing Logger	440		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.3 / 52		
pH / Fluid Loss	8.5 / 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.11 @ 86° F		
Rmf @ Meas. Temp	2.50 @ 86° F		
Rmc @ Meas. Temp	3.49 @ 86° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.20 @ 207° F		
Time Circulation Stopped	0415		
Time Logger on Bottom	1500		
Maximum Recorded Temperature	207° F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Ian Harris		
Witnessed By	Jay Pape	Robin Brackman	

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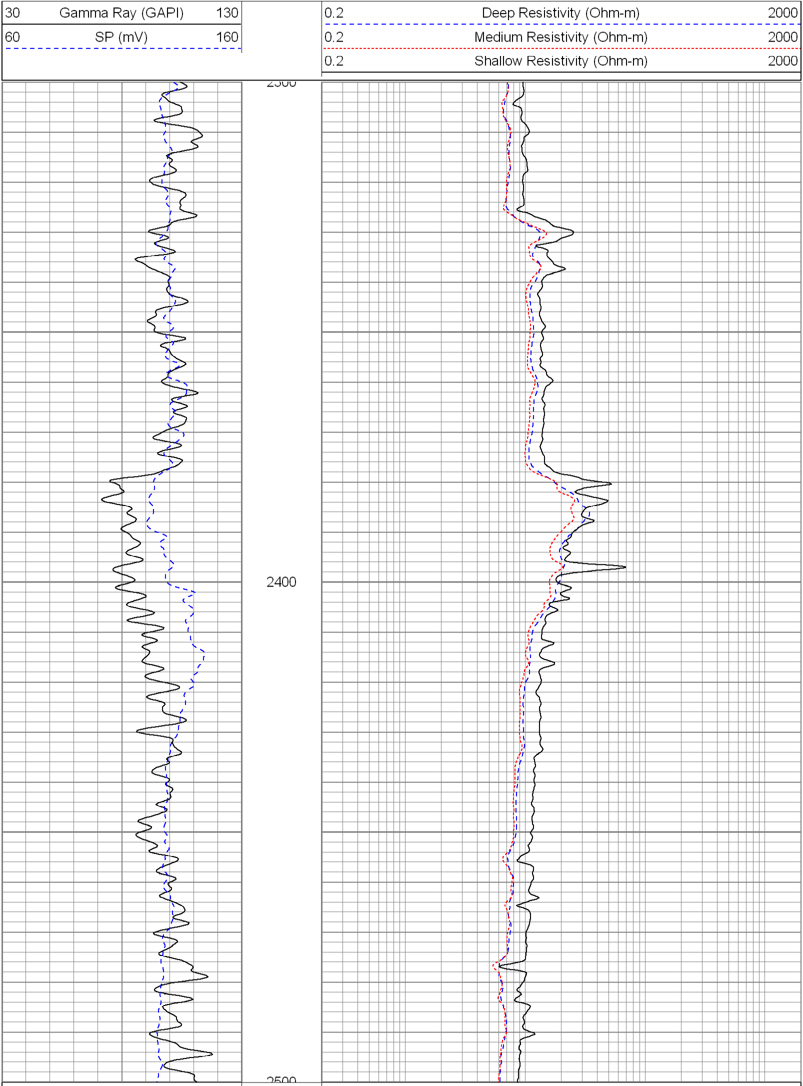
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 #: 05-123-29050-00

Database File: 10138.db
Dataset Pathname: pass5
Presentation Format: dil1
Dataset Creation: Fri Sep 18 15:09:54 2009 by Log Open-Cased 081212
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

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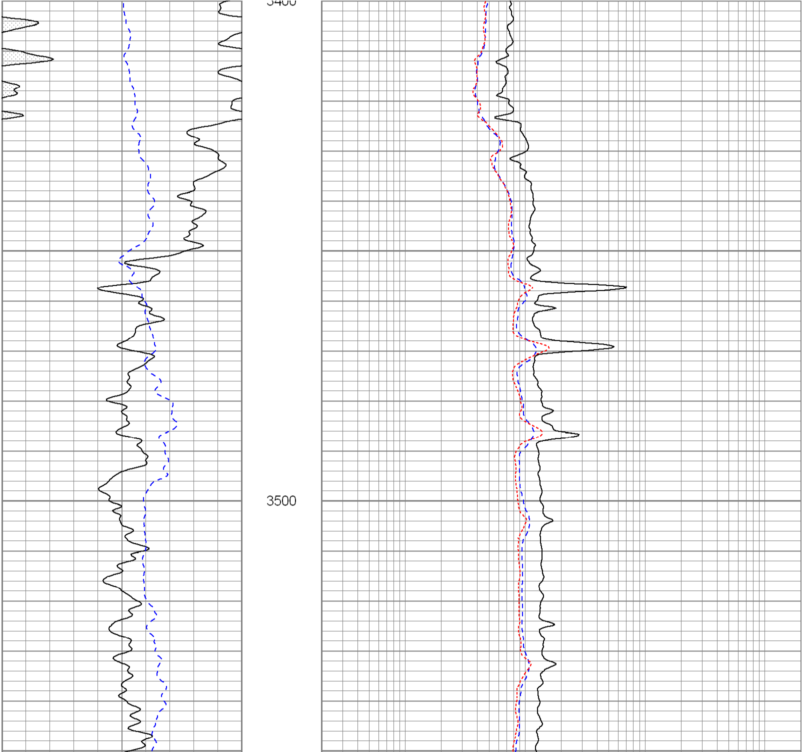

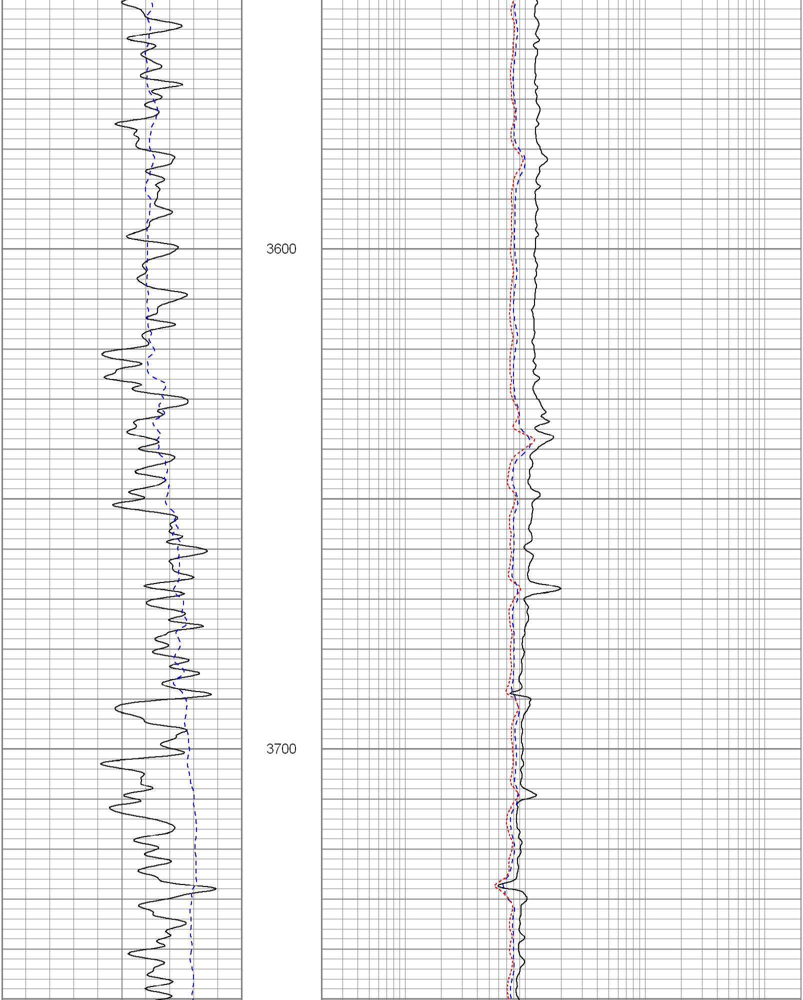

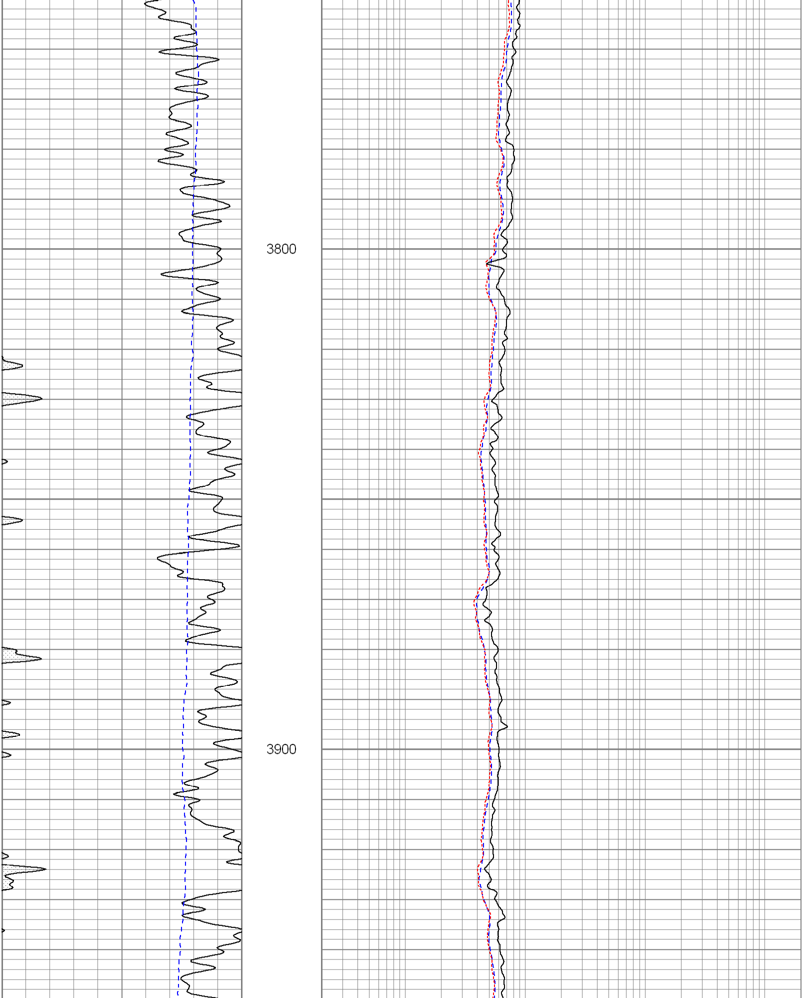

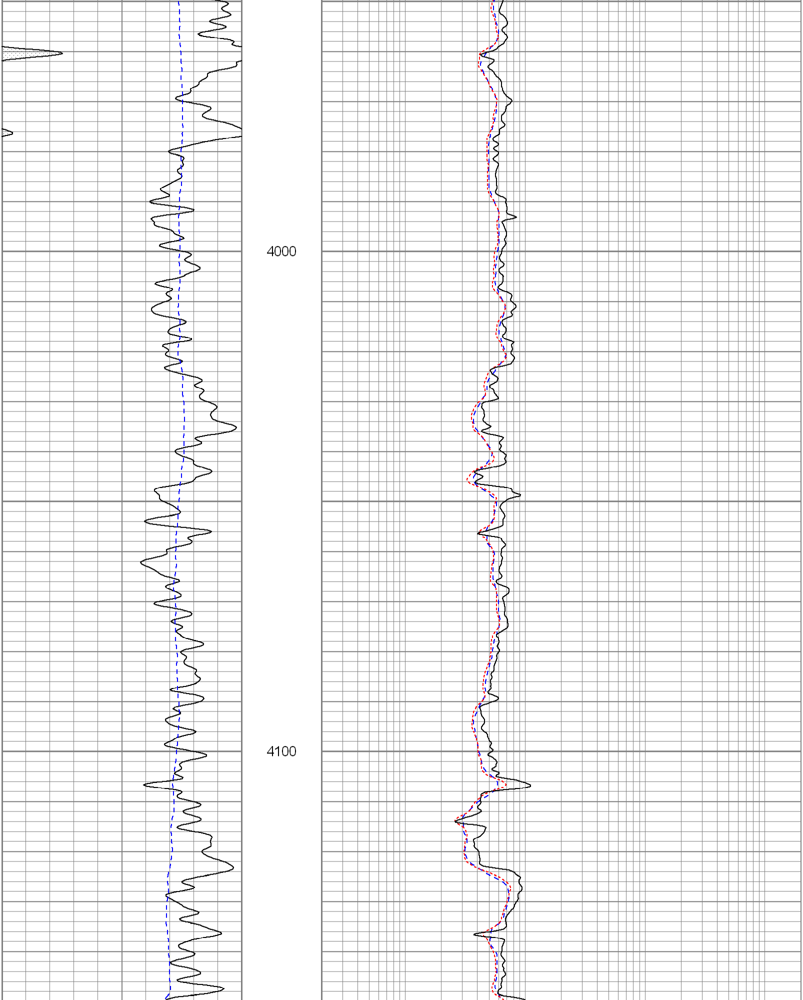

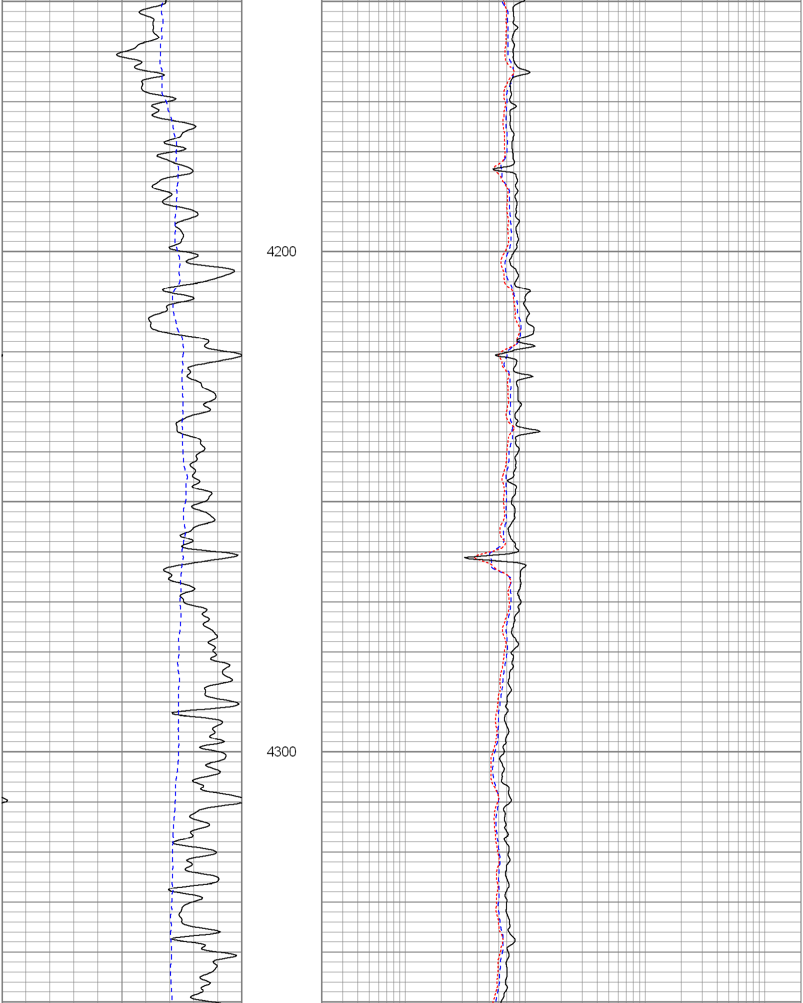

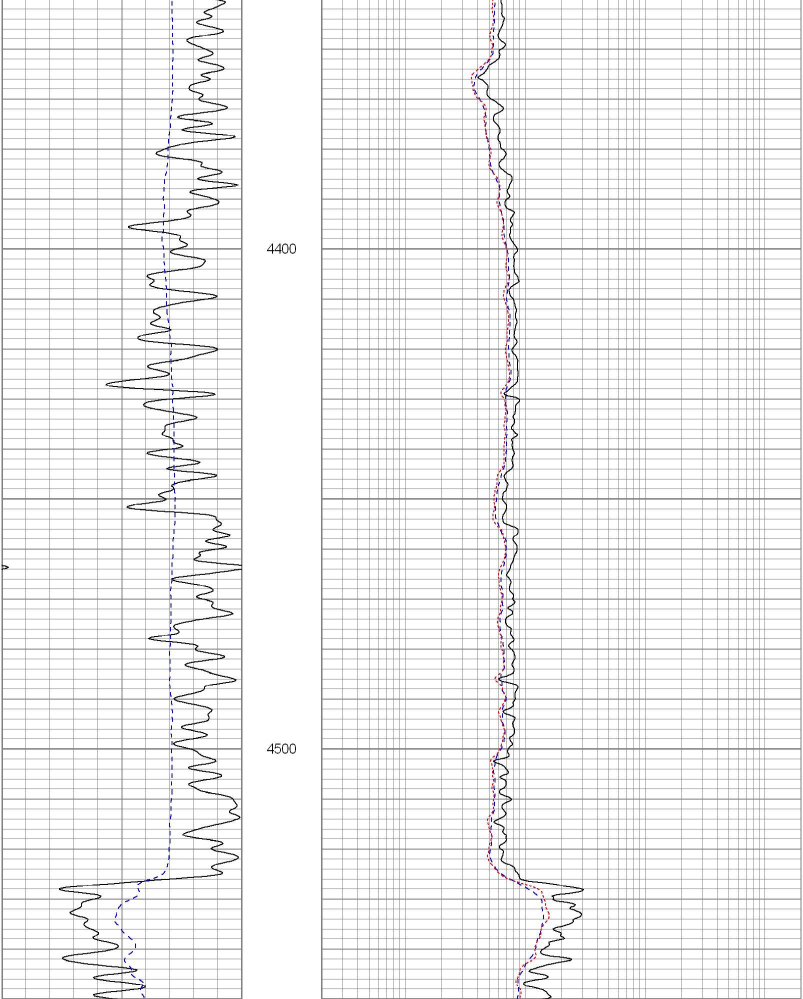

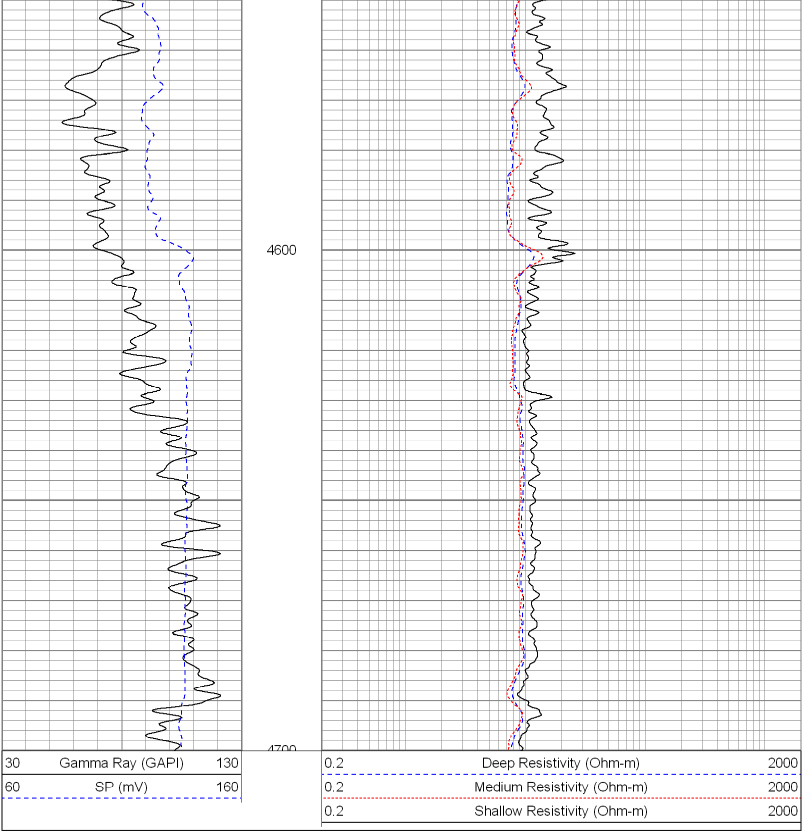

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Dataset Pathname: pass5.1
Presentation Format: dil
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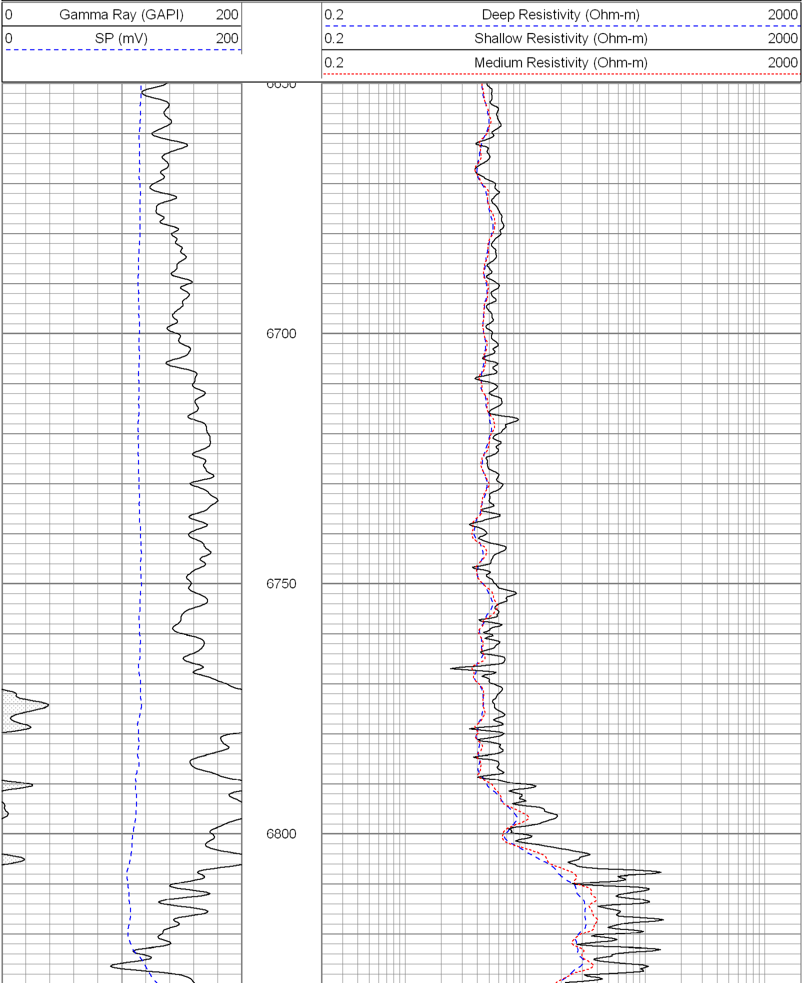
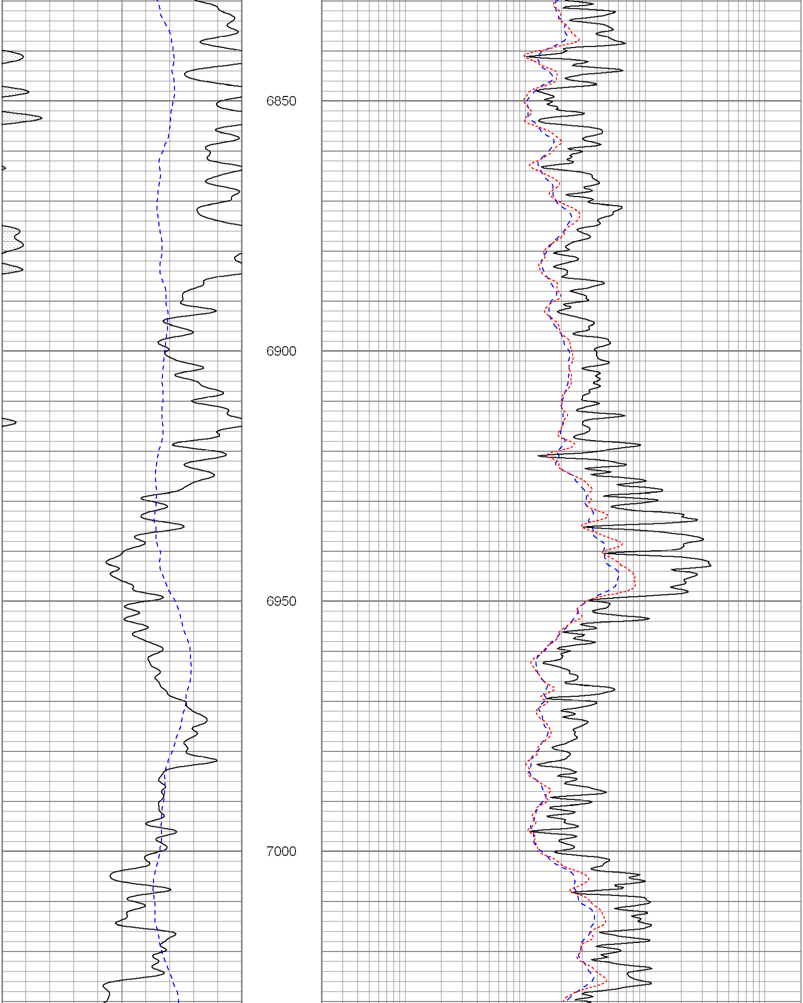
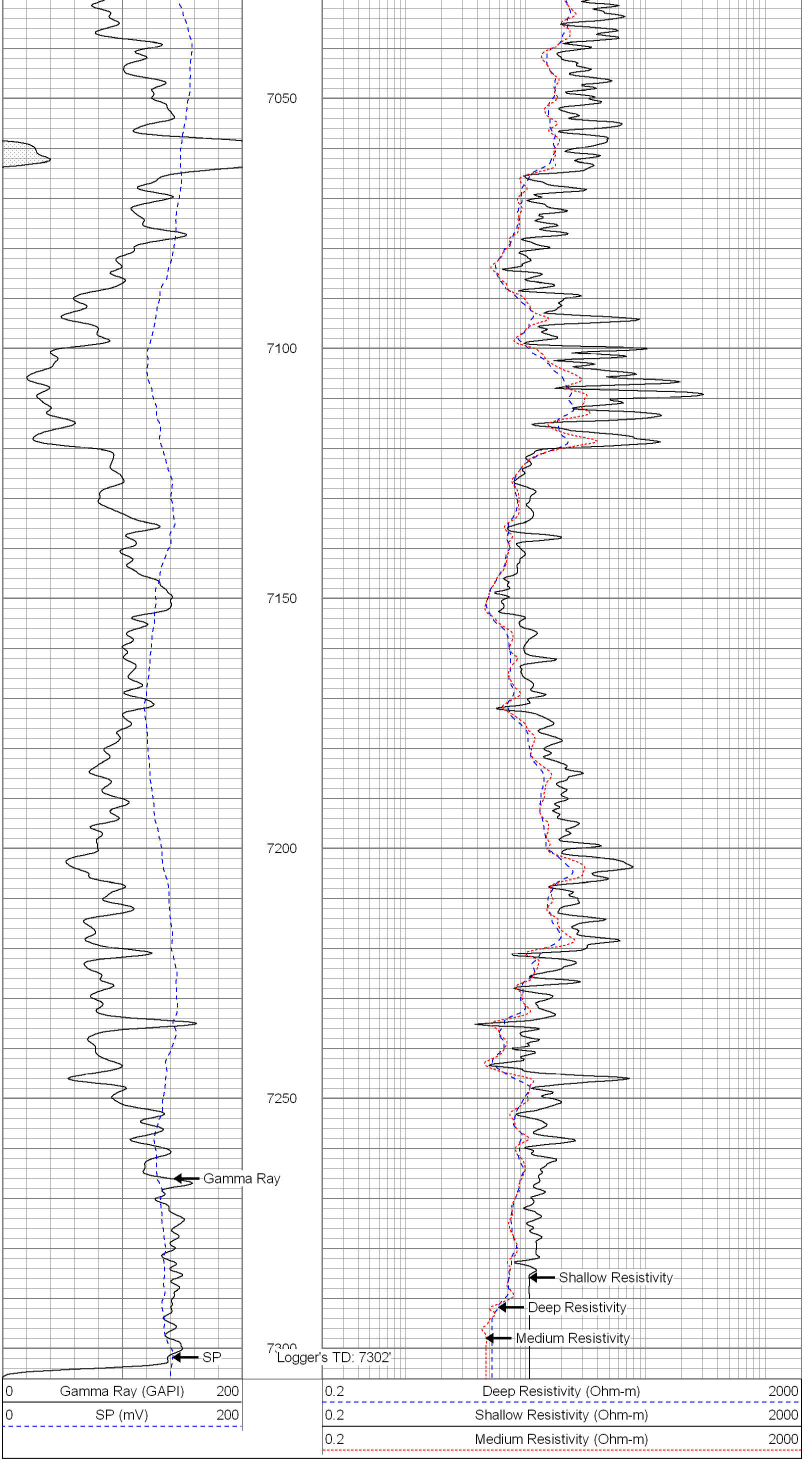
Charted by: Depth in Feet scaled 1:240


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
6700
6750
6800