PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	Petroleum Development Corporation
Well	Wells Ranch 42-34
Field	Wattenberg
County	Weld
State/Province	Colorado

Location
2003' FNL & 664' FEL
SE NE
Sec. 34, Twp. 6N, Rge. 63W

Other Services
None

Elevation
K.B. 4830
D.F. 4829
G.L. 4820

Permanent Datum	GL	Elevation	4820
Log Measured From	KB		
Drilling Measured From	KB		

Date	May 22, 2006		
Run Number	1		
Depth Driller	6989		
Depth Logger	6984		
Bottom Logged Interval	6984		
Top Log Interval	Casing		
Casing Driller	408		
Casing Logger	408		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	8.7 / 55		
pH / Fluid Loss	11.0 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.11 @ 87° F		
Rmf @ Meas. Temp	2.48 @ 87° F		
Rmc @ Meas. Temp	3.73 @ 87° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.24 @ 202° F		
Time Circulation Stopped	14:00		
Time Logger on Bottom	18:45		
Maximum Recorded Temperature	202° F		
Equipment Number	4041		
Location	Brighton, CO		
Recorded By	Peter Dhaliwal		
Witnessed By	Dan Green		

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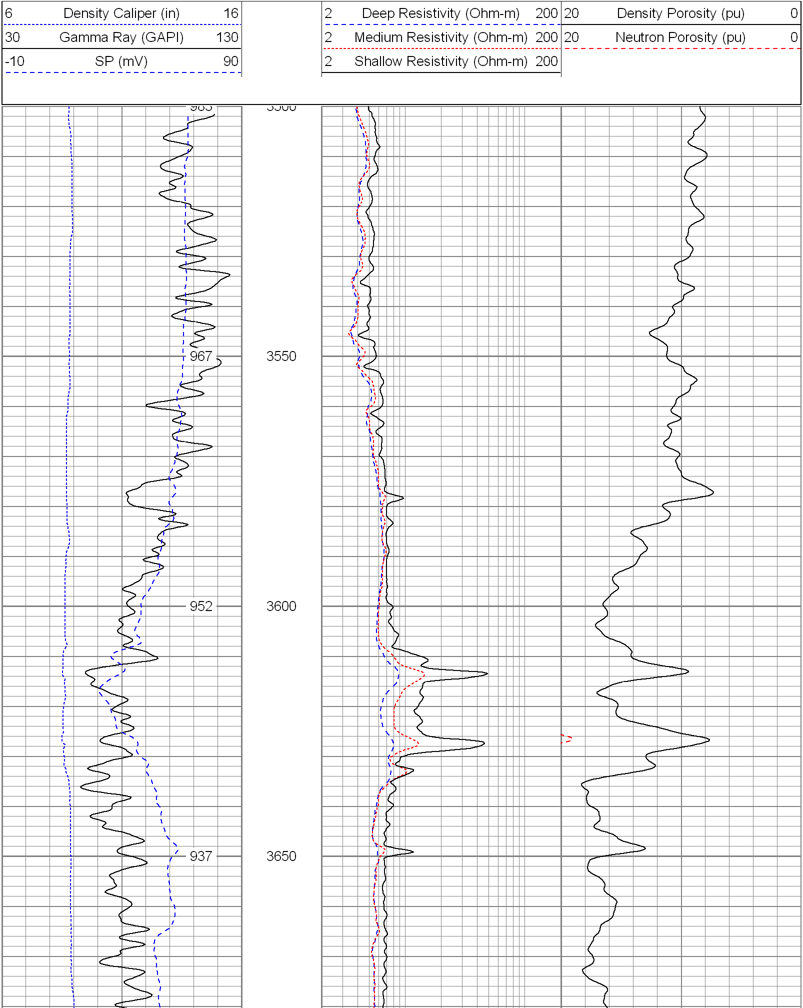
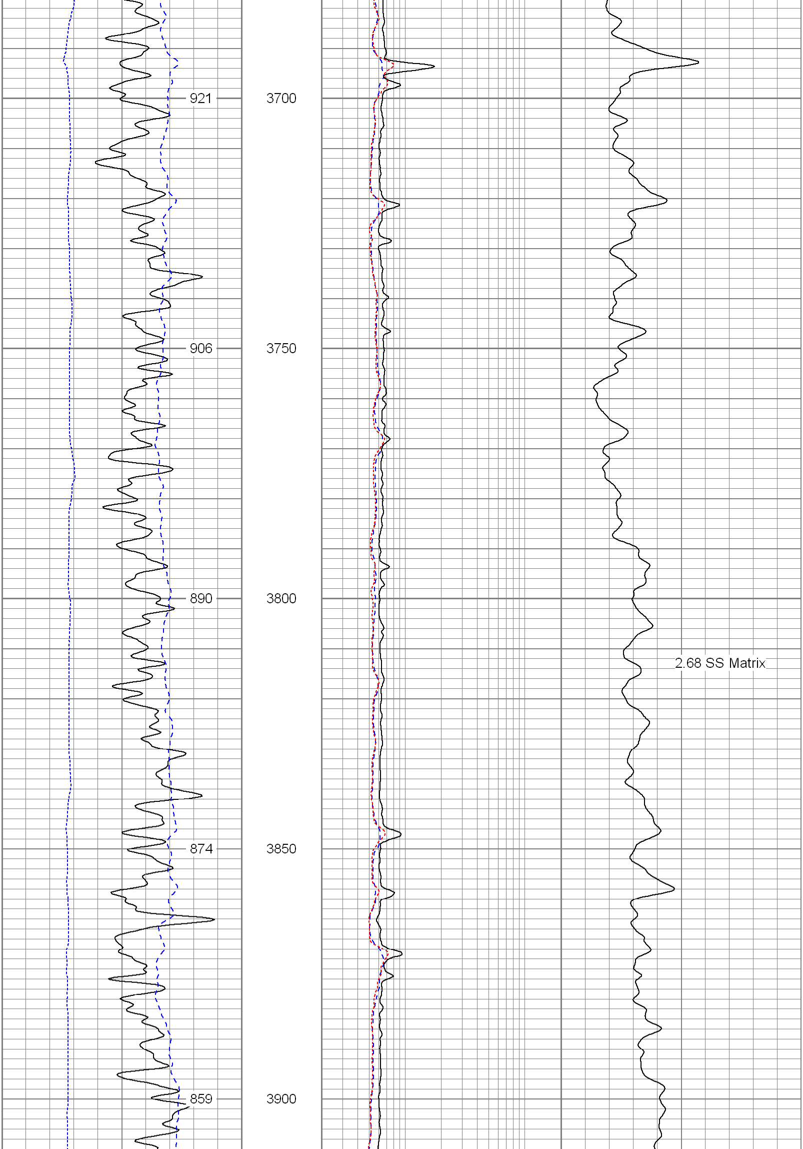
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

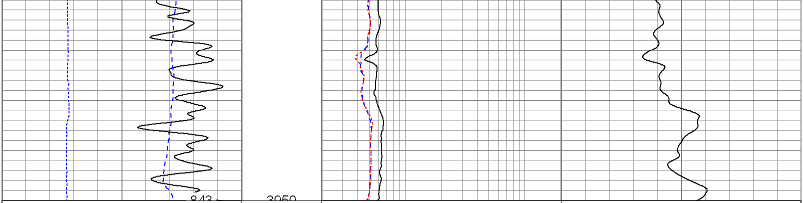
Comments

Annular volume calculated for 4-1/2" casing
Ensign Drilling Rig 1
Thank you for using Phoenix Surveys!!
API #: 05-123-20983-00

Database File:	5993.db
Dataset Pathname:	final
Presentation Format:	pdc1
Dataset Creation:	Mon May 22 19:12:05 2006
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
-10	SP (mV)	90	2	Shallow Resistivity (Ohm-m)	200			

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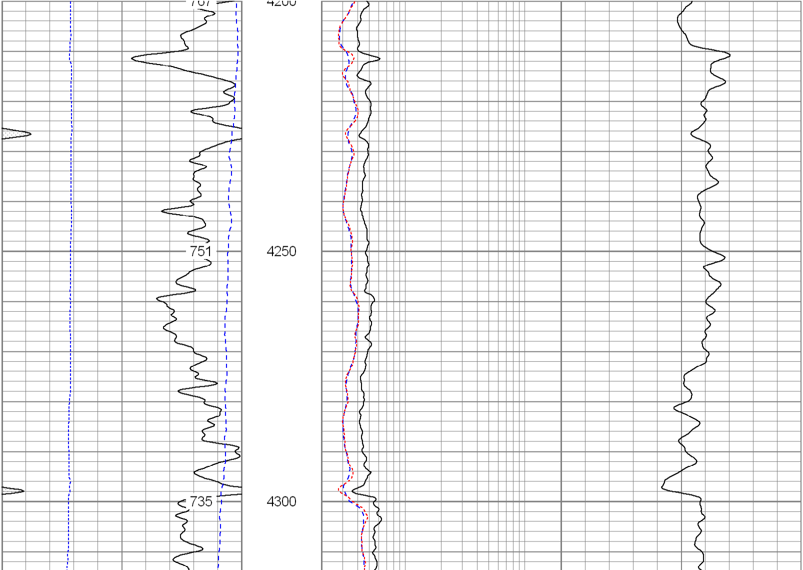

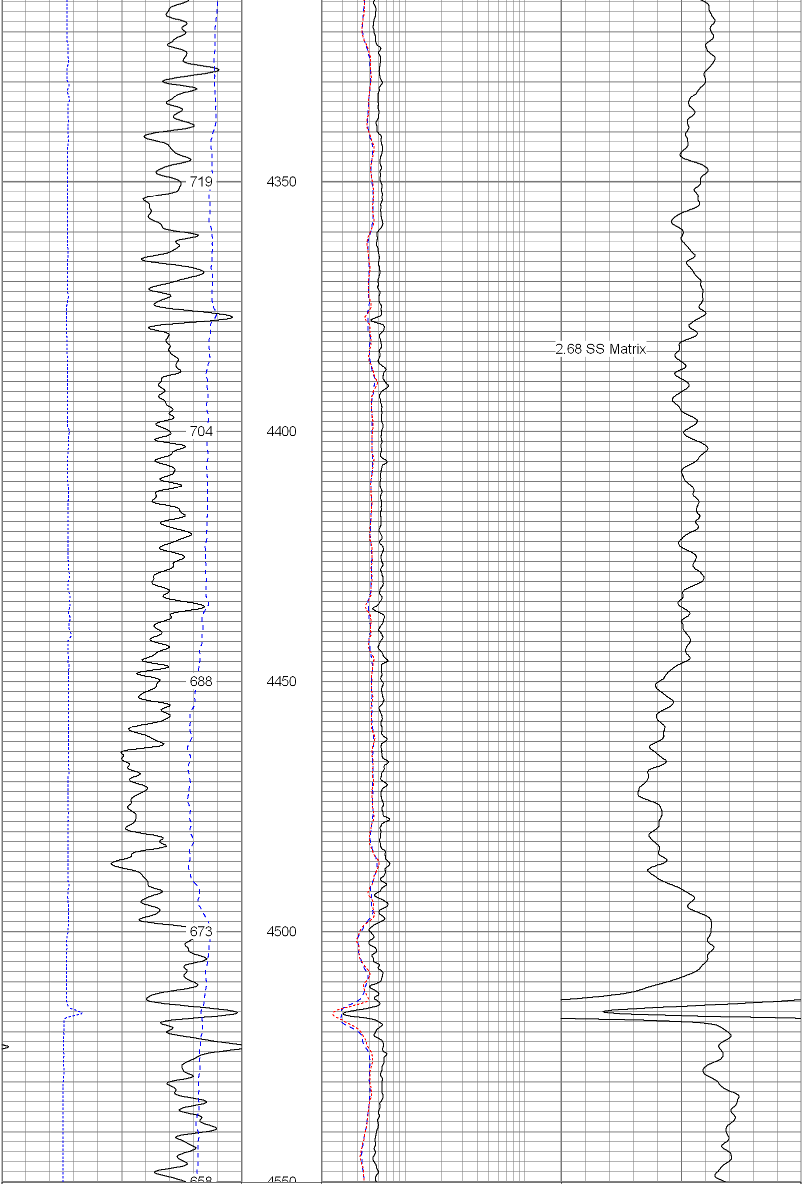

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
-10 SP (mV) 90

2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0

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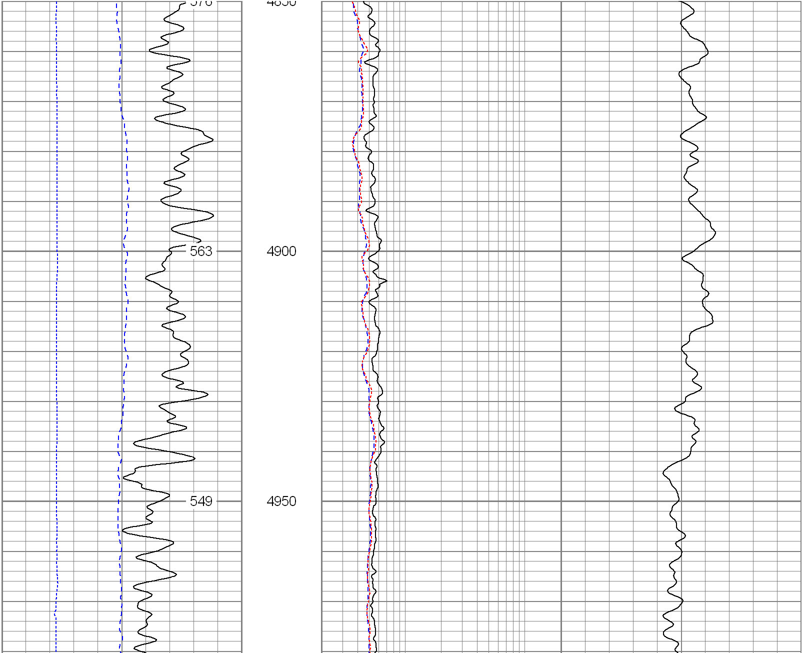

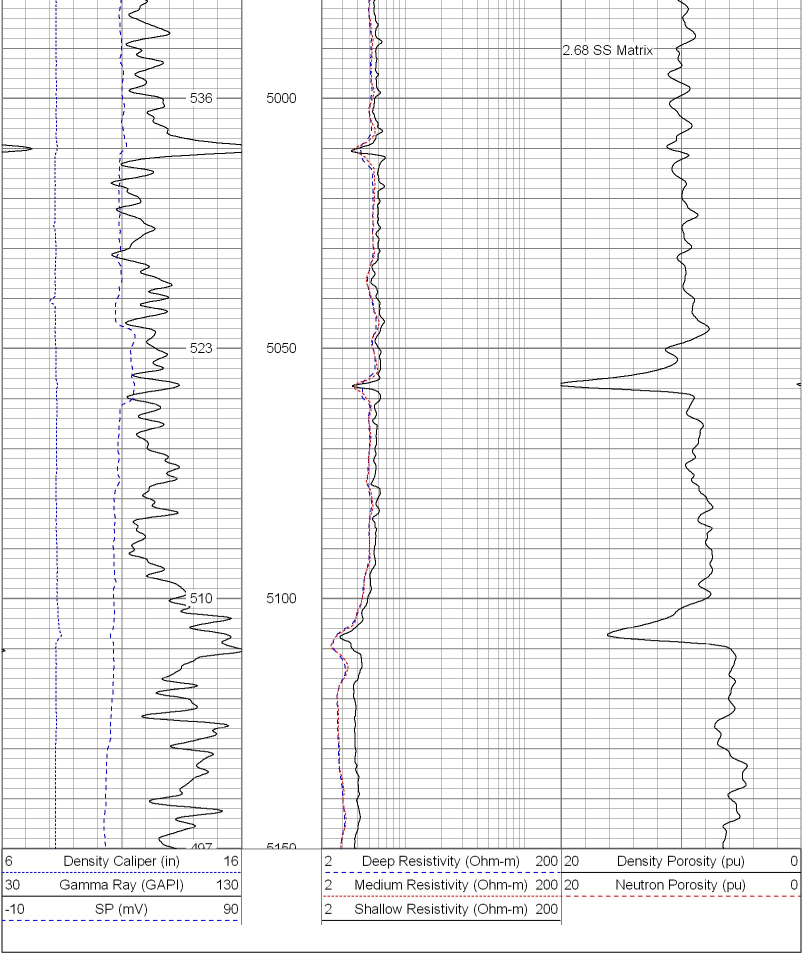

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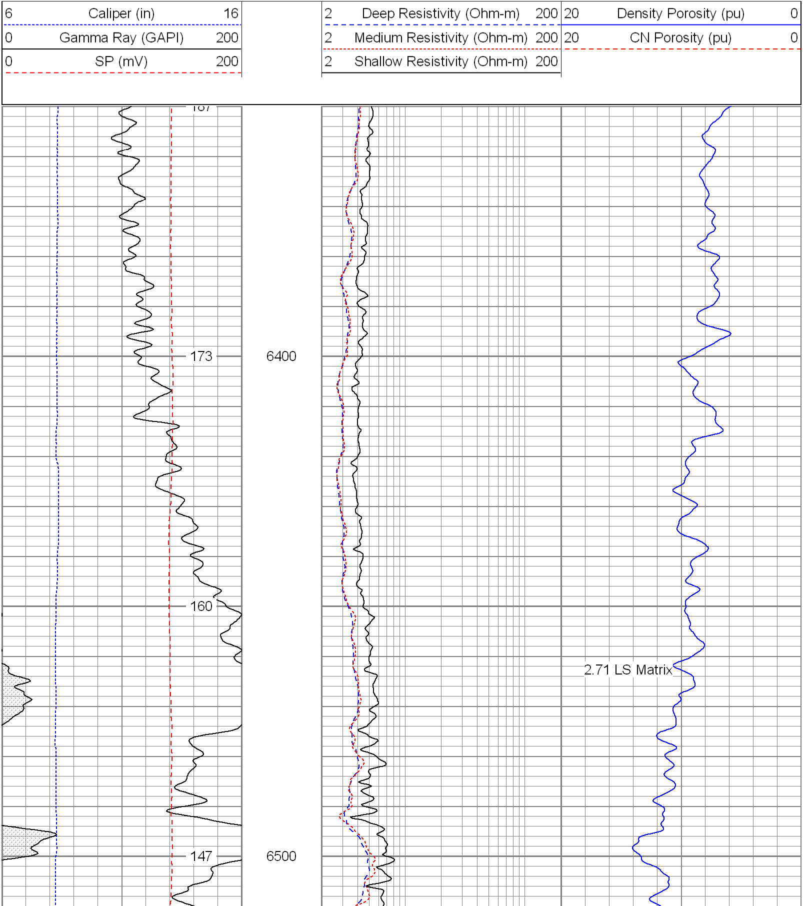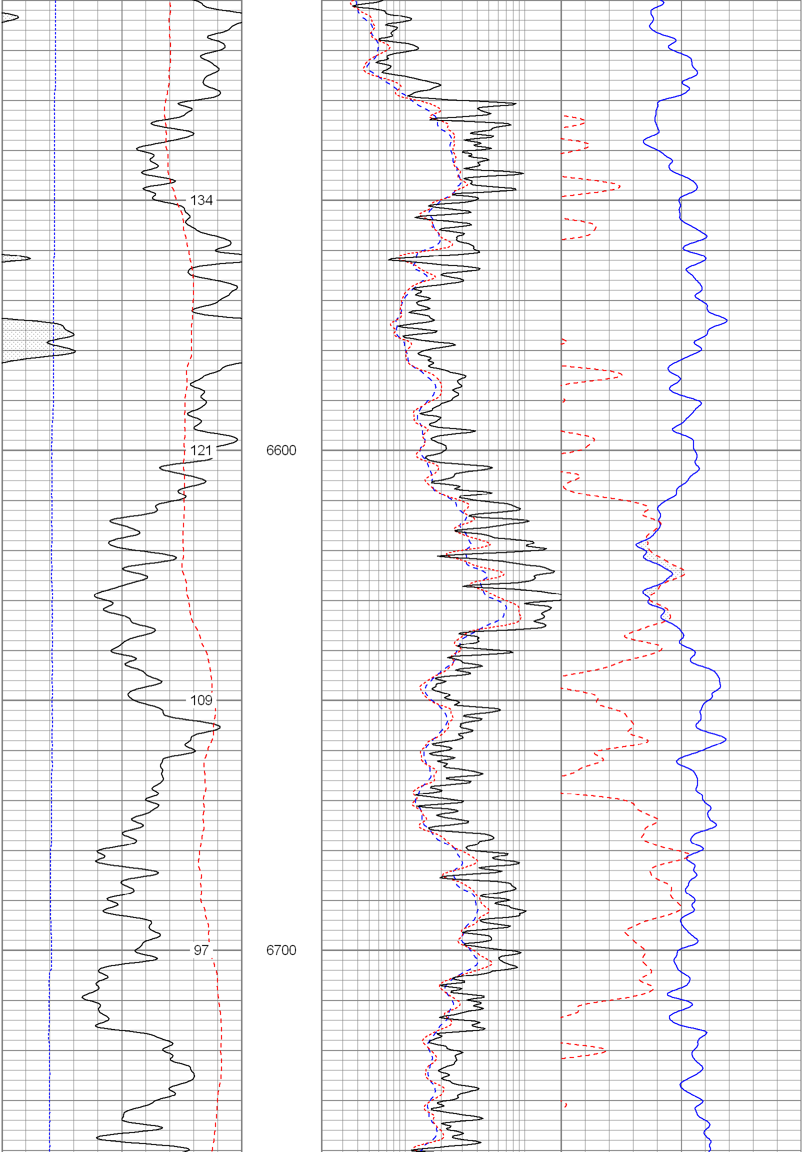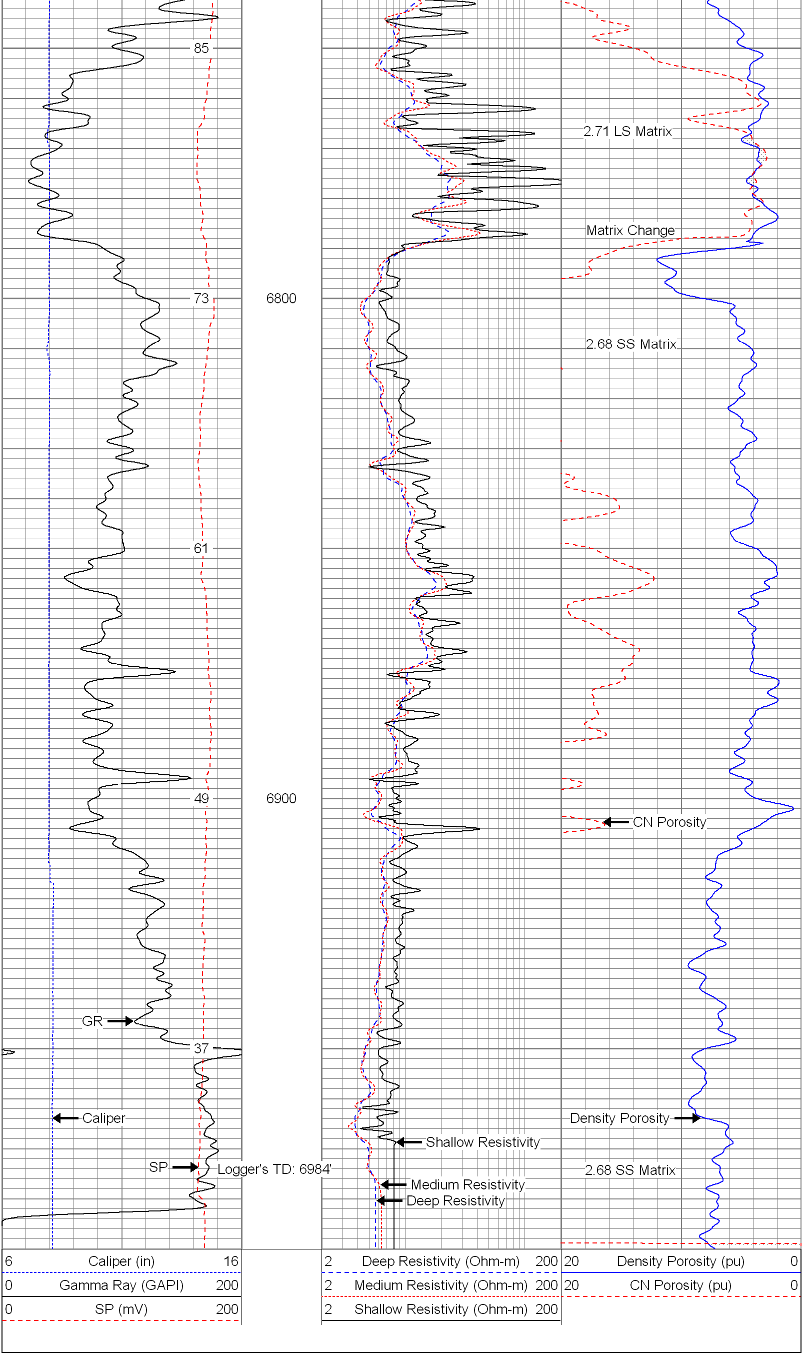
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0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
20 Density Porosity (pu) 0
20 CN Porosity (pu) 0
173
6400
160
2.71 LS Matrix
147
6500