PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State

Company	Bonanza Creek Operating Co. LLC
Well	Indian Tree 32-9
Field	Eaton
County	Weld
State	Colorado

Location
2128' FNL & 1892' FEL
SW NE
Sec - 9, Twp - 6N, Rge - 66W

Other Services
None

Elevation
K.B. 4850
D.F. 4849
G.L. 4838

Permanent Datum	GL	Elevation	4838
Log Measured From	KB		
Drilling Measured From	KB		

Date	October 17, 2005		
Run Number	1		
Depth Driller	7434		
Depth Logger	7432		
Bottom Logged Interval	7432		
Top Log Interval	Casing		
Casing Driller	767		
Casing Logger	767		
Bit Size	7 7/8"		
Type Fluid in Hole	Polymer Gel		
Density / Viscosity	9.3 / 60		
pH / Fluid Loss	8.5 / 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.00 @ 77° F		
Rmf @ Meas. Temp	2.62 @ 77° F		
Rmc @ Meas. Temp	3.65 @ 77° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.11 @ 210° F		
Time Circulation Stopped	0400		
Time Logger on Bottom	1445		
Maximum Recorded Temperature	210° F		
Equipment Number	4078		
Location	Brighton, CO		
Recorded By	Peter Dhaliwal	Randy Conley	
Witnessed By	Kent Gilbert	Mark Scanniello	

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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 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

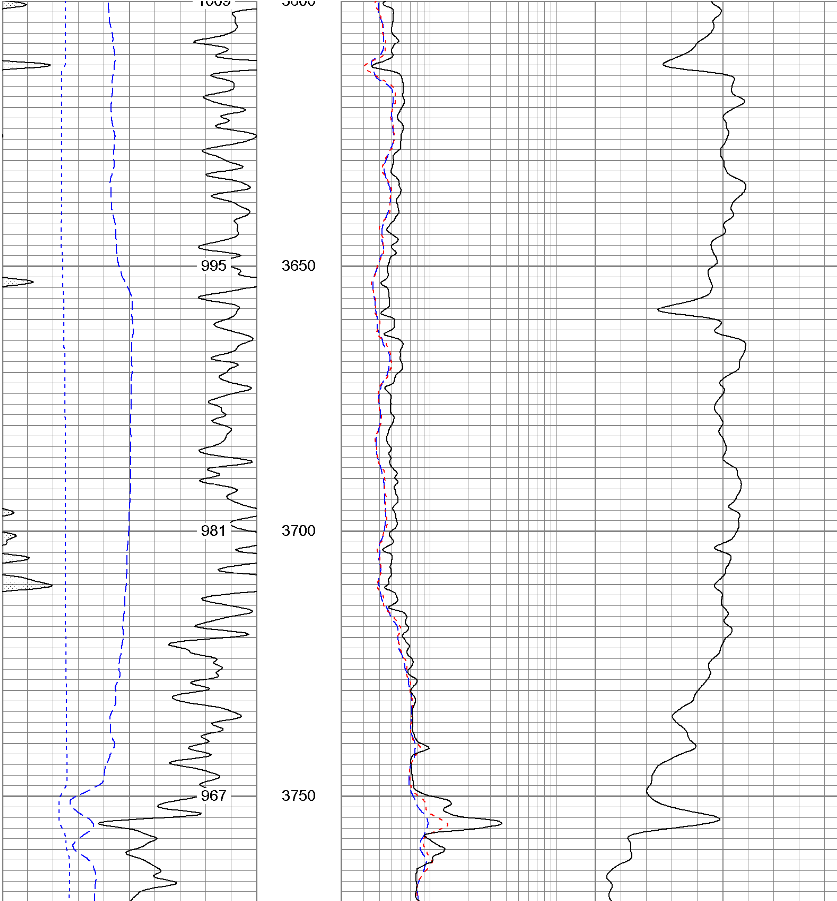
Annular volume calculated for 4.5" casing
Ensign Drilling Rig 32.
Thank you for using Phoenix Surveys!!
API #: 05-123-23262-00

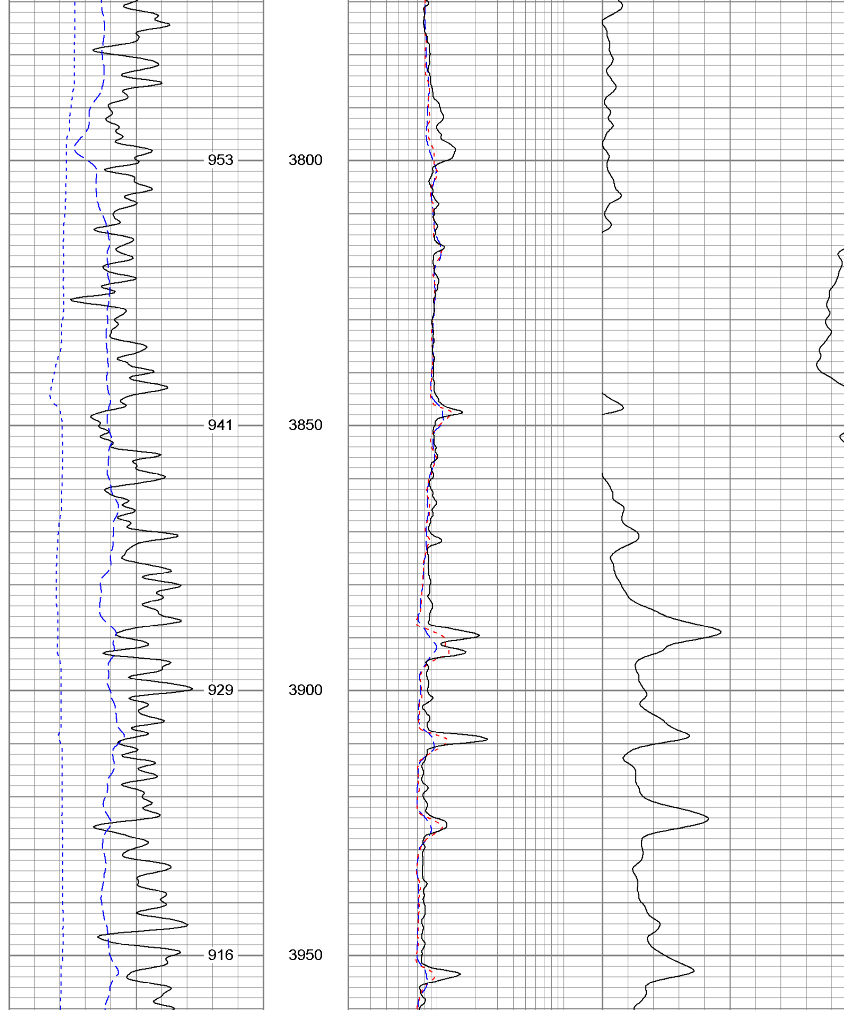
Database File: 5586.db
Dataset Pathname: pass3
Presentation Format: PDC1
Dataset Creation: Mon Oct 17 14:56:19 2005 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

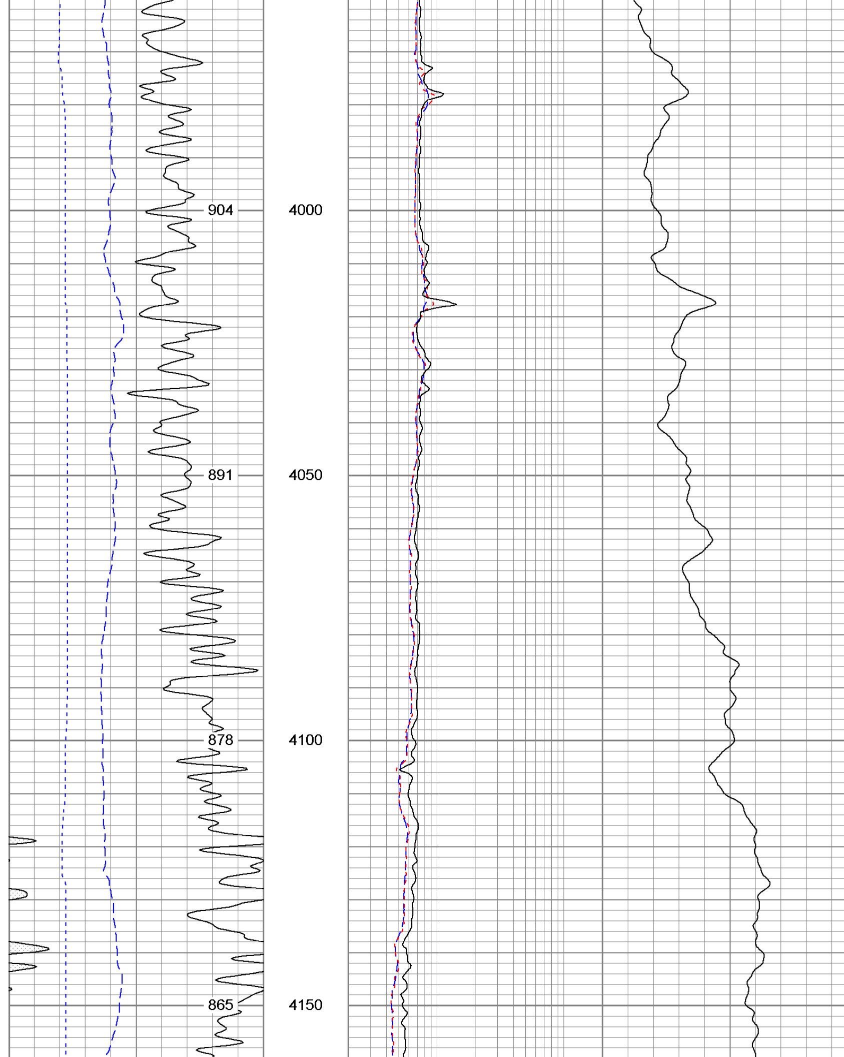
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
0	SP (mV)	100

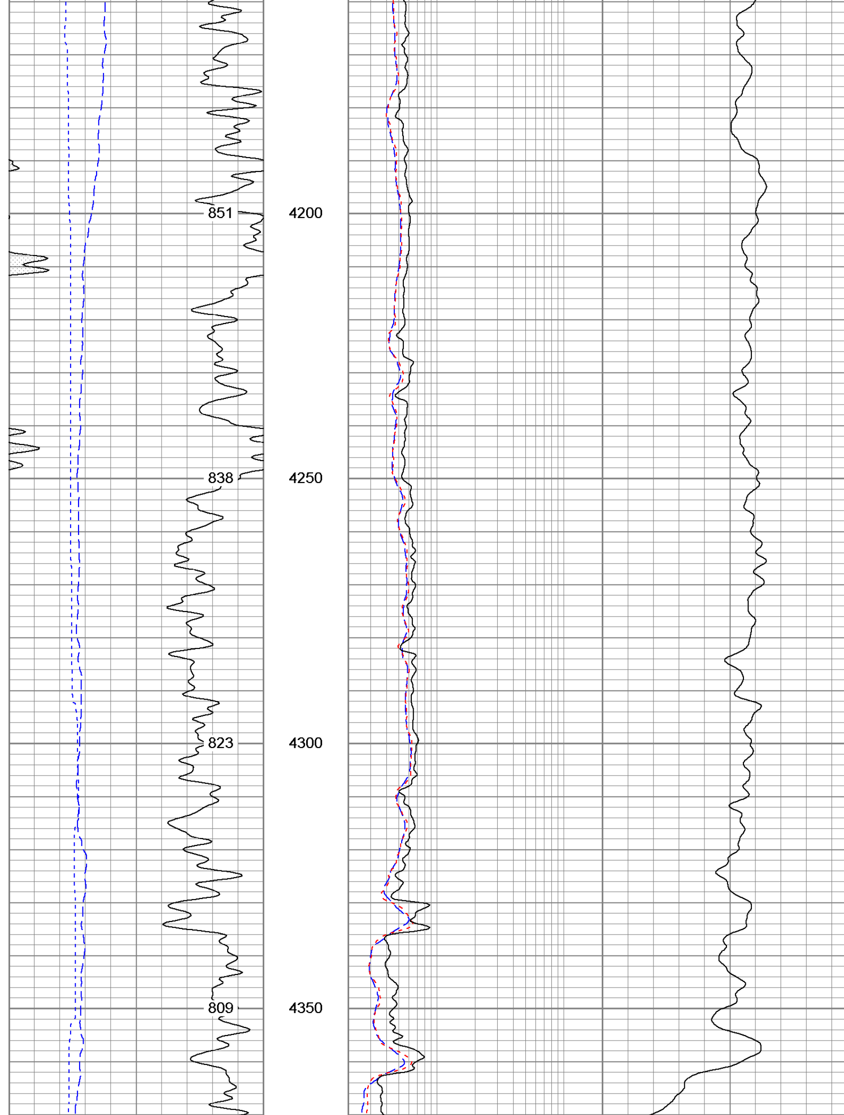
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

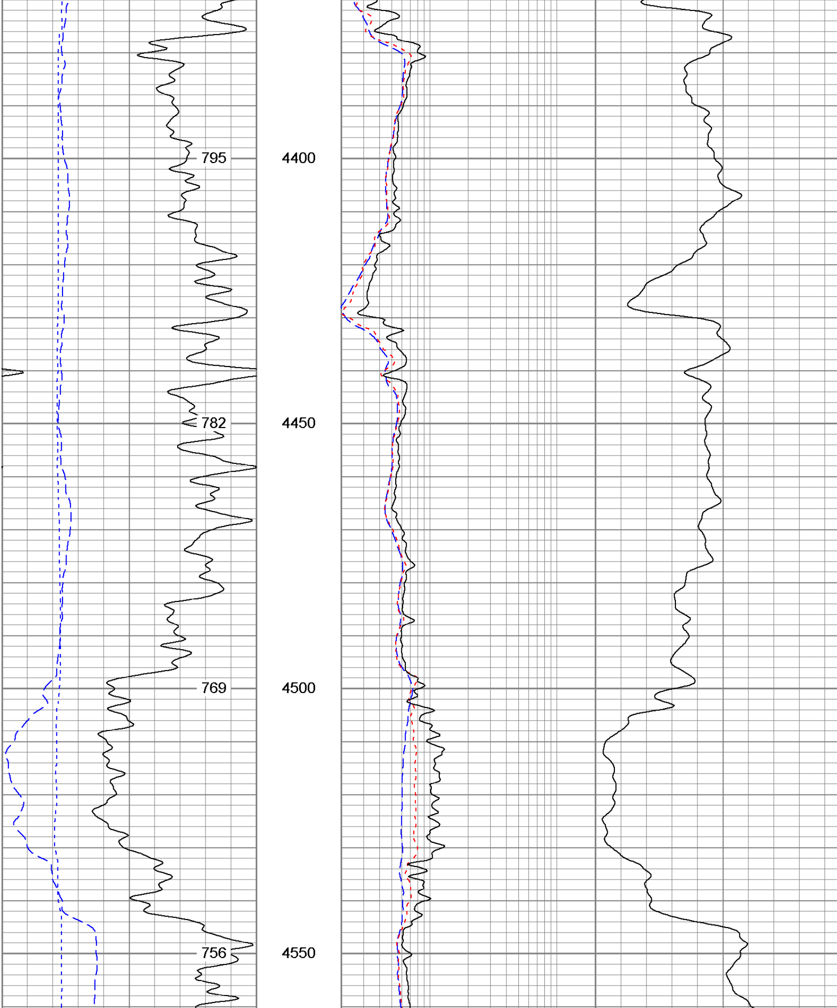
20	Density Porosity (pu)
20	Neutron Porosity (pu)

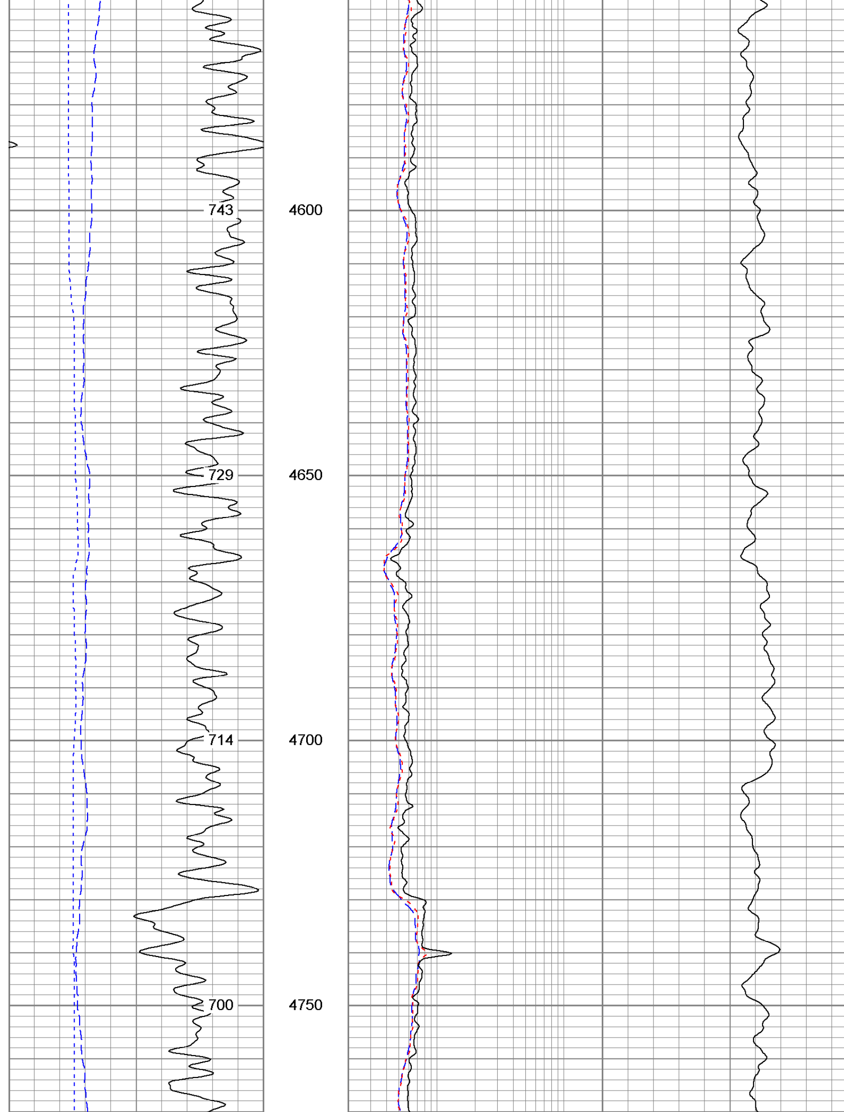


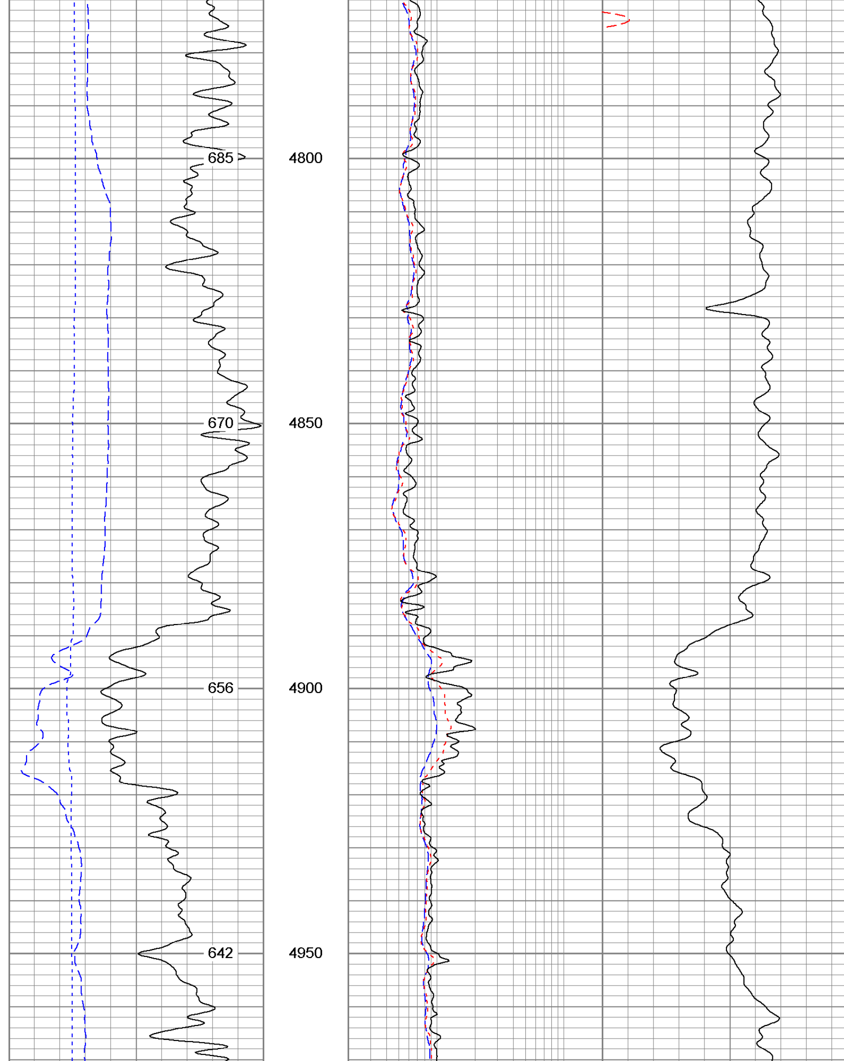


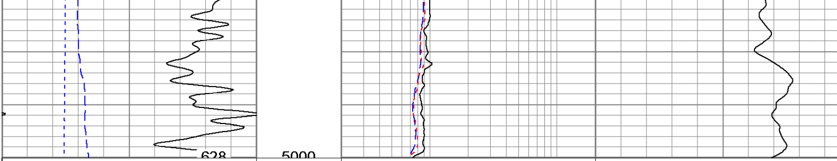






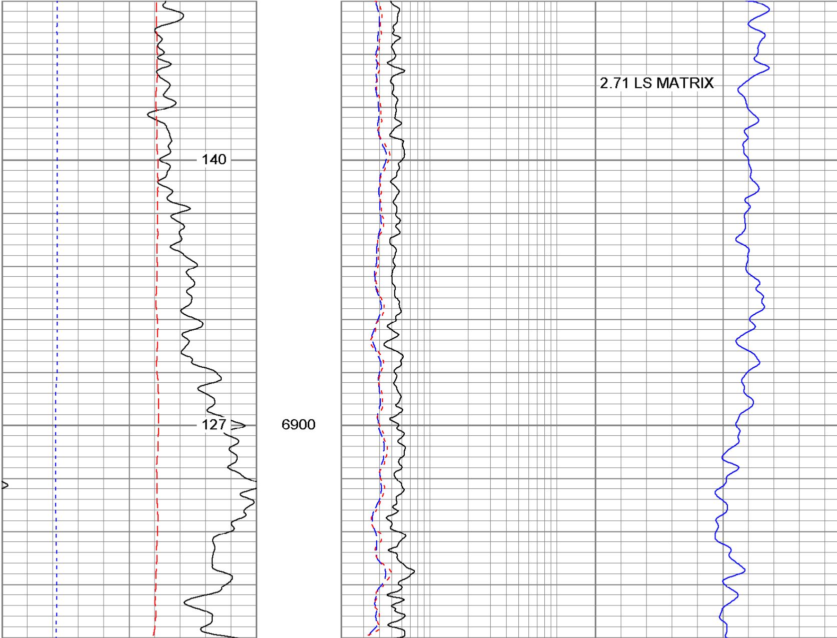
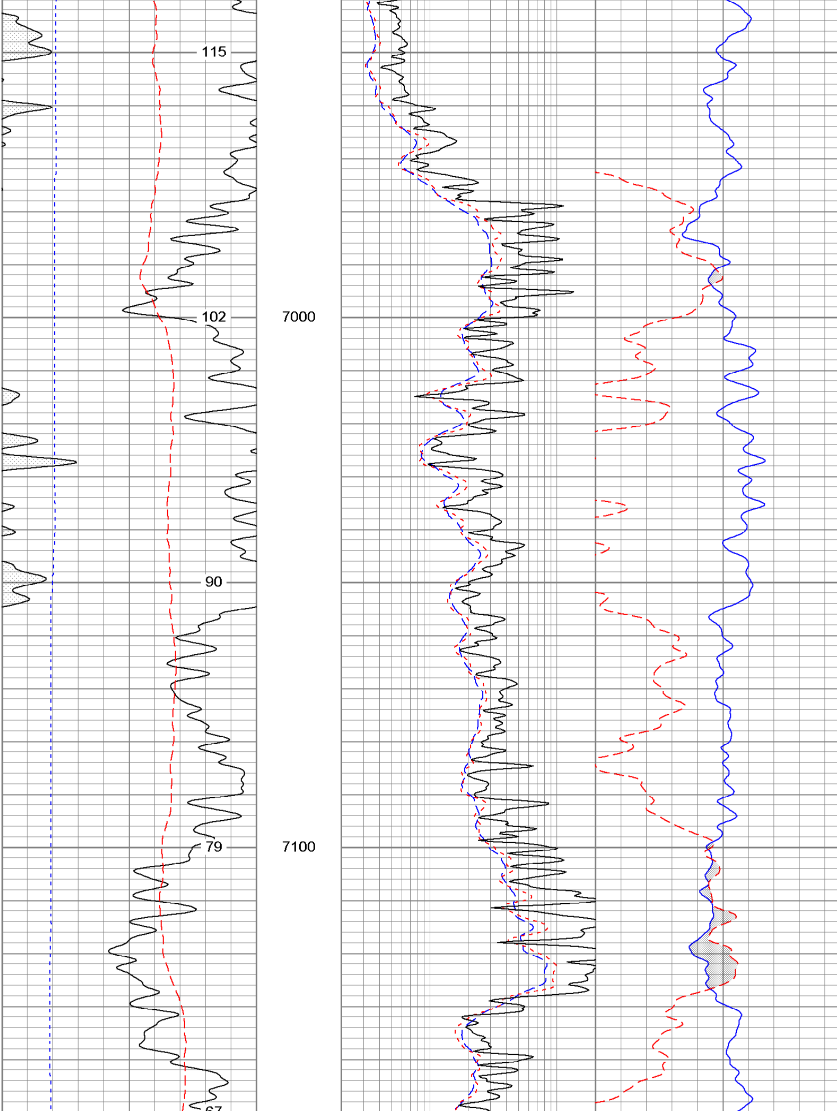
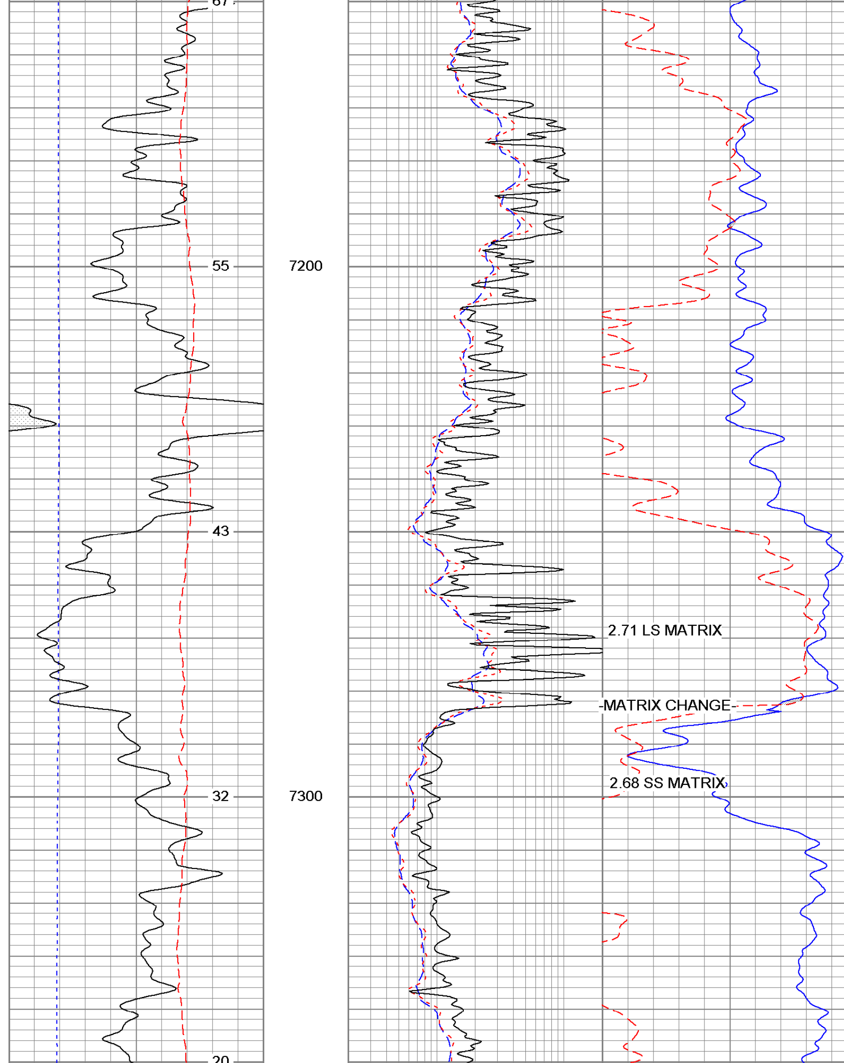
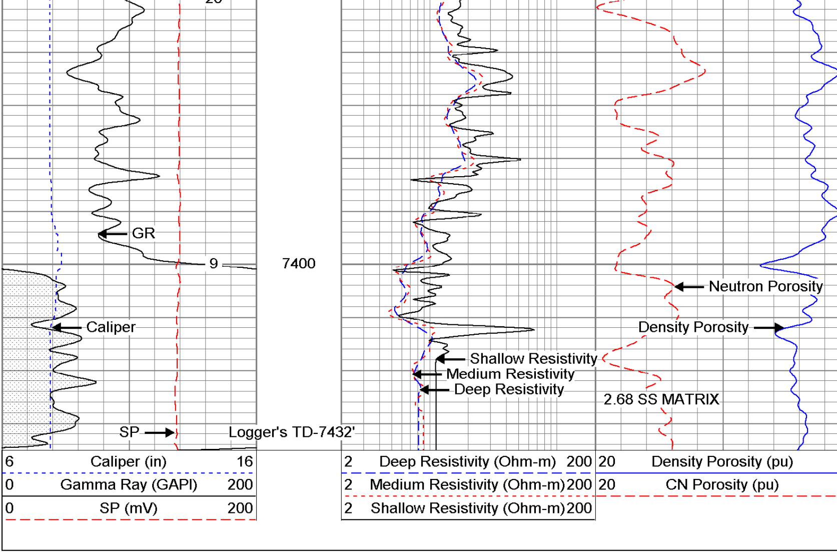






6 Density Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu)
30 Gamma Ray (GAPI) 130	2 Medium Resistivity (Ohm-m) 200	20 Neutron Porosity (pu)
0 SP (mV) 100	2 Shallow Resistivity (Ohm-m) 200	

Database File: 5586.db
Dataset Pathname: final
Presentation Format: PDC
Dataset Creation: Mon Oct 17 15:42:47 2005
Charted by: Depth in Feet scaled 1:240

6 Caliper (in) 16	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu)
0 Gamma Ray (GAPI) 200	2 Medium Resistivity (Ohm-m) 200	20 CN Porosity (pu)
0 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200