PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	**SingleTree Resources**
Well	**Doud 14-5**
Field	**Cliff**
County	**Logan**
State/Province	**Colorado**

Location
1750' FSL & 600' FWL
NWSW
Sec. 5, Twp. 11N, Rge. 54W

Other Services
Microlog

Permanent Datum	GL	Elevation	4382
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4394
D.F. 4393
G.L. 4382

Date	June 2, 2009		
Run Number	1		
Depth Driller	5713		
Depth Logger	5707		
Bottom Logged Interval	5707		
Top Log Interval	Casing		
Casing Driller	469		
Casing Logger	469		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 65		
pH / Fluid Loss	8.0 / 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.45 @ 68° F		
Rmf @ Meas. Temp	2.59 @ 68° F		
Rmc @ Meas. Temp	4.31 @ 68° F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.50 @ 155° F		
Time Circulation Stopped	1900		
Time Logger on Bottom	2350		
Maximum Recorded Temperature	155° F		
Equipment Number	51		
Location	Brighton, CO		
Recorded By	Matt Gill		
Witnessed By	Chris Glade	Tony Markve	

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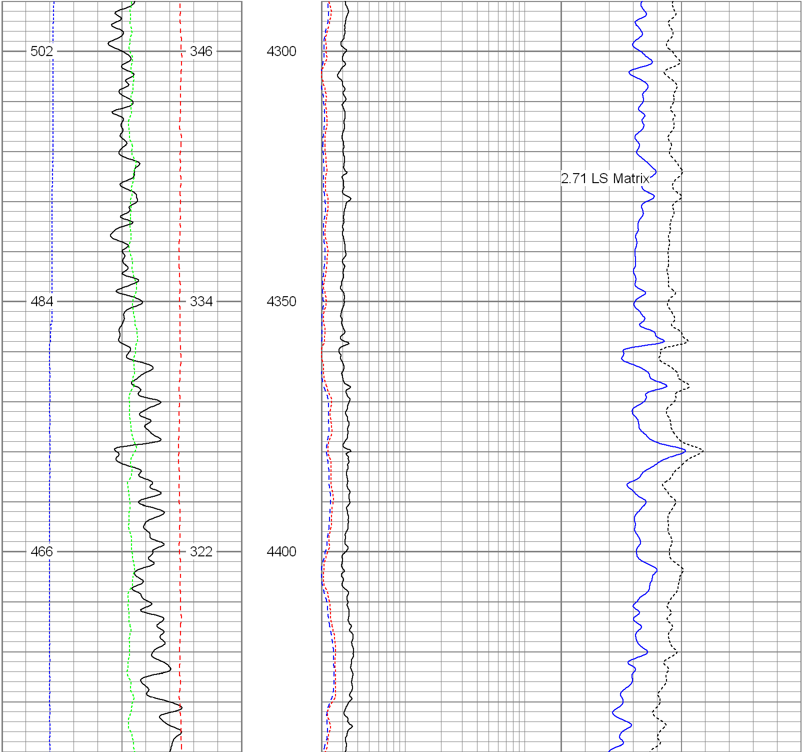
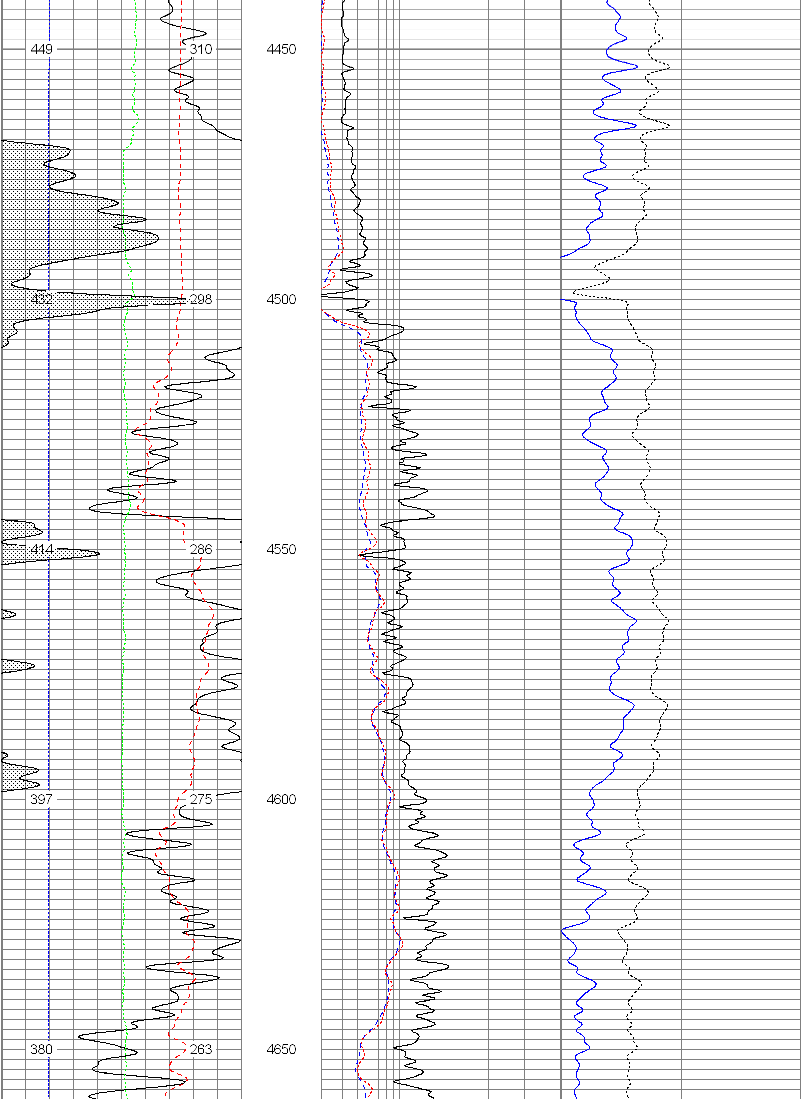
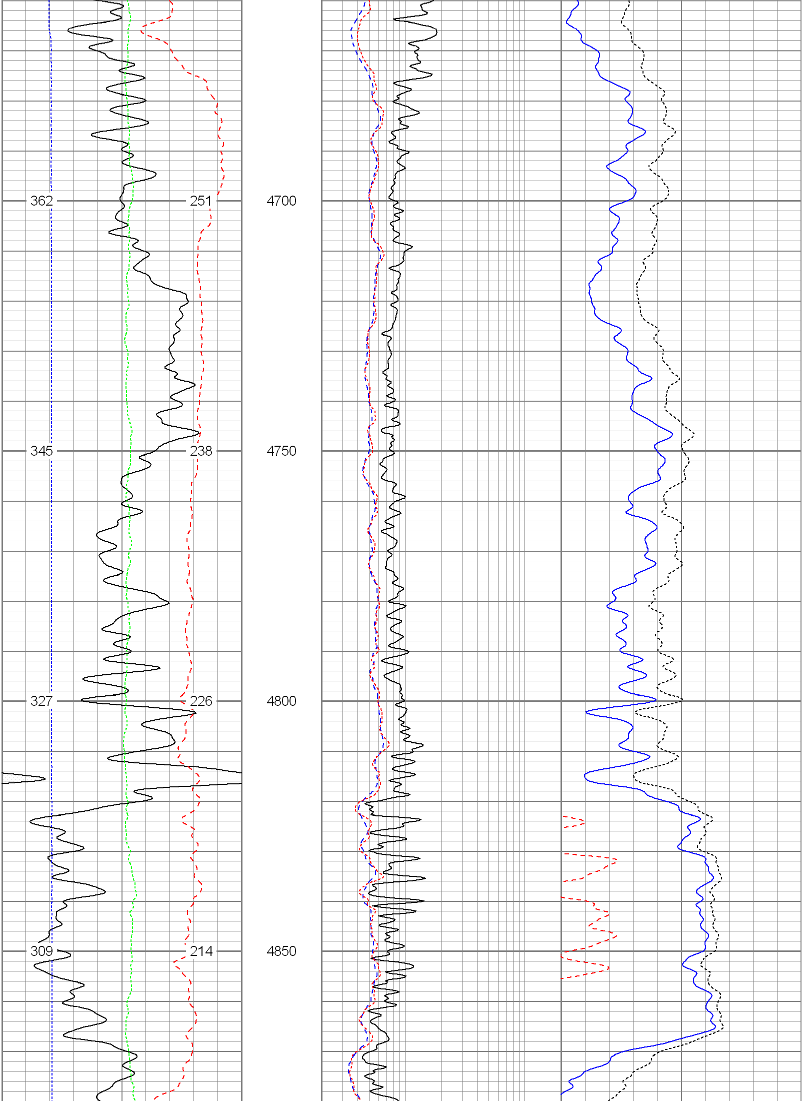
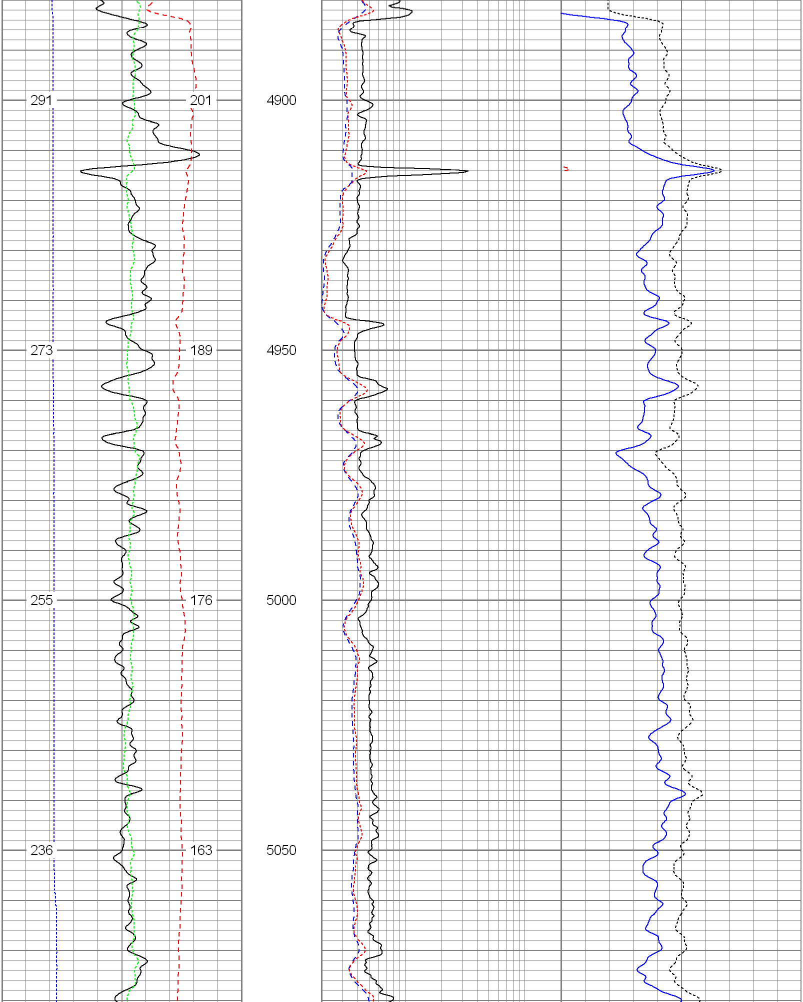
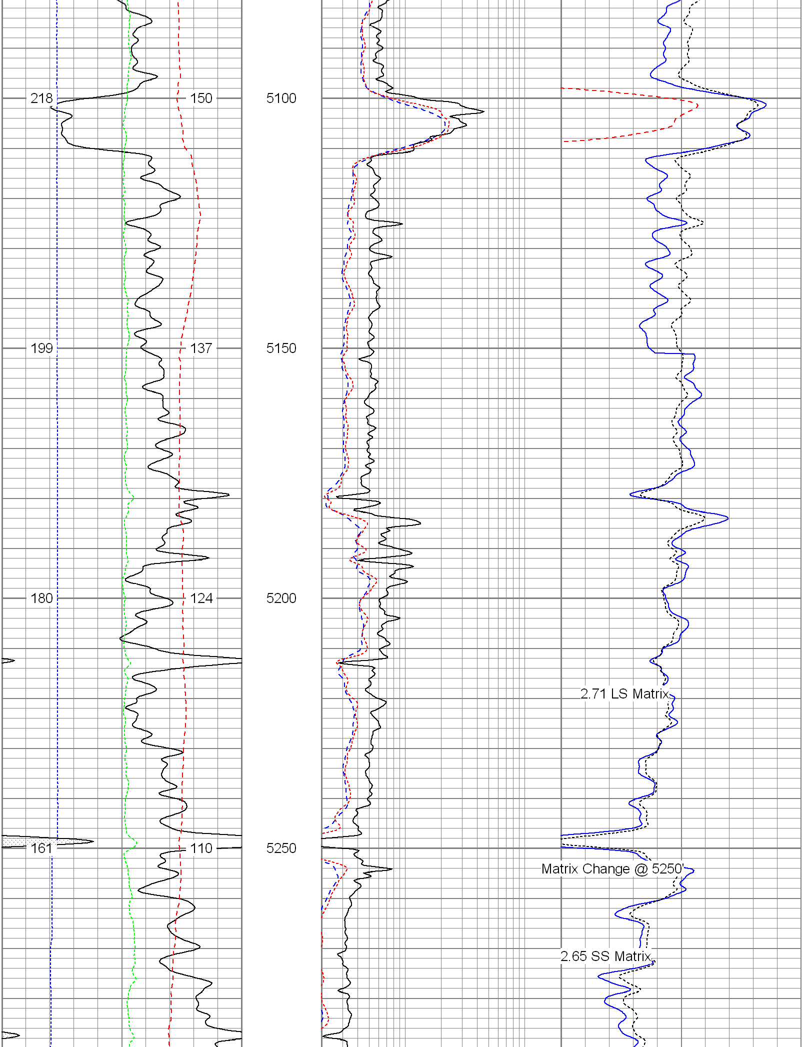
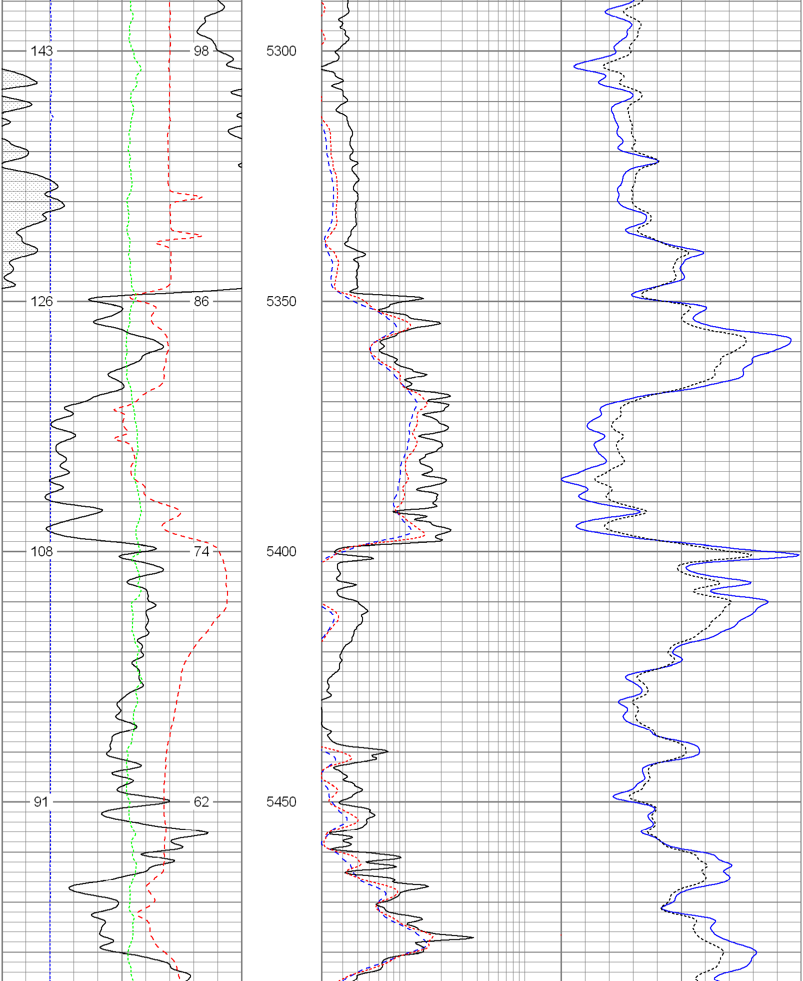
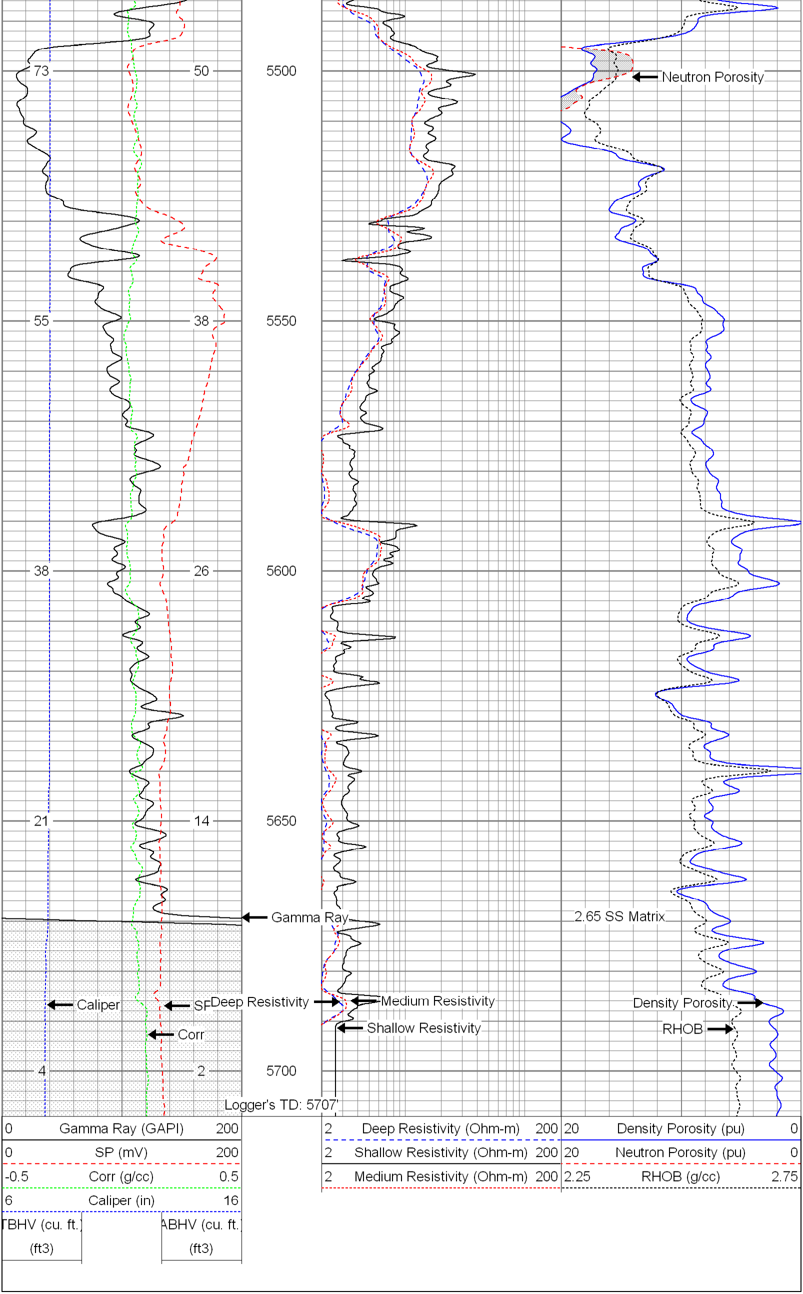
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Excel Drilling Rig 3
Thank you for using Phoenix Surveys!!
API #: 05-075-09378-00

Database File: 10007.db
Dataset Pathname: final
Presentation Format: split20
Dataset Creation: Wed Jun 03 00:54:13 2009
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200	2 Deep Resistivity (Ohm-m) 200	20 Density Porosity (pu) 0
0 SP (mV) 200	2 Shallow Resistivity (Ohm-m) 200	20 Neutron Porosity (pu) 0
-0.5 Corr (g/cc) 0.5	2 Medium Resistivity (Ohm-m) 200	2.25 RHOB (g/cc) 2.75
6 Caliper (in) 16		
TBHV (cu. ft.) (ft3) ABHV (cu. ft.) (ft3)