PSI PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION

Company	Noble Energy Inc.
Well	Dechant X01-02
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	575' FNL & 2103' FEL NWNE Sec. 1, Twp. 2N, Rge. 65W
Other Services	Density Neutron Microlog

Company
Well
Field
County
State/Prv

Permanent Datum	GL	Elevation	4828
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4841
D.F. 4841
G.L. 4828

Date	January 9, 2011
Run Number	1
Depth Driller	7802
Depth Logger	7801
Bottom Logged Interval	7801
Top Log Interval	Casing
Casing Driller	756
Casing Logger	756
Bit Size	7-7/8"
Type Fluid in Hole	Chem Gel
Density / Viscosity	9.2 / 52
pH / Fluid Loss	9.0 / 9.5
Source of Sample	Flowline
Rm @ Meas. Temp	3.30 @ 65 F
Rmf @ Meas. Temp	2.20 @ 65 F
Rmc @ Meas. Temp	4.70 @ 65 F
Source of Rmf / Rmc	Measure / Calc
Rm @ BHT	0.96 @ 224 F
Time Circulation Stopped	1800
Time Logger on Bottom	0100
Maximum Recorded Temperature	224 F
Equipment Number	52
Location	Brighton, CO
Recorded By	S. Schuman
Witnessed By	E. Cousins

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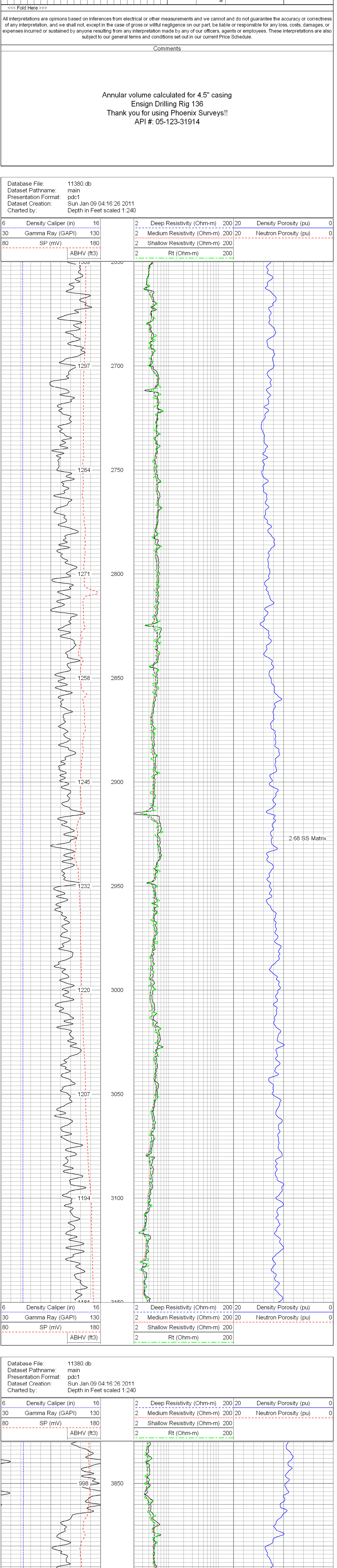
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 136
Thank you for using Phoenix Surveys!!
API #: 05-123-31914

Database File:	11380.db
Dataset Pathname:	main
Presentation Format:	pdc1
Dataset Creation:	Sun Jan 09 04:16:26 2011
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
80	SP (mV)	180	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)		2	Rt (Ohm-m)	200			



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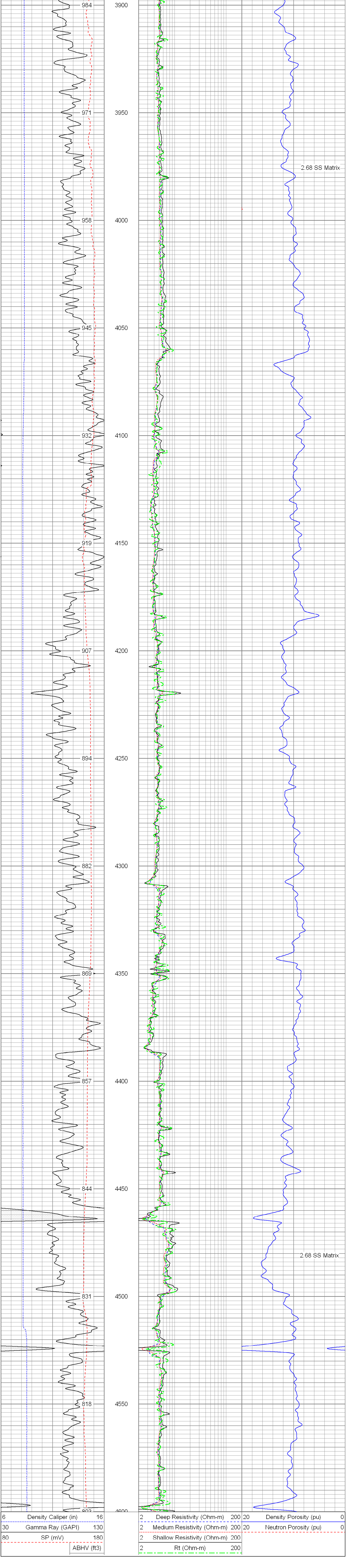

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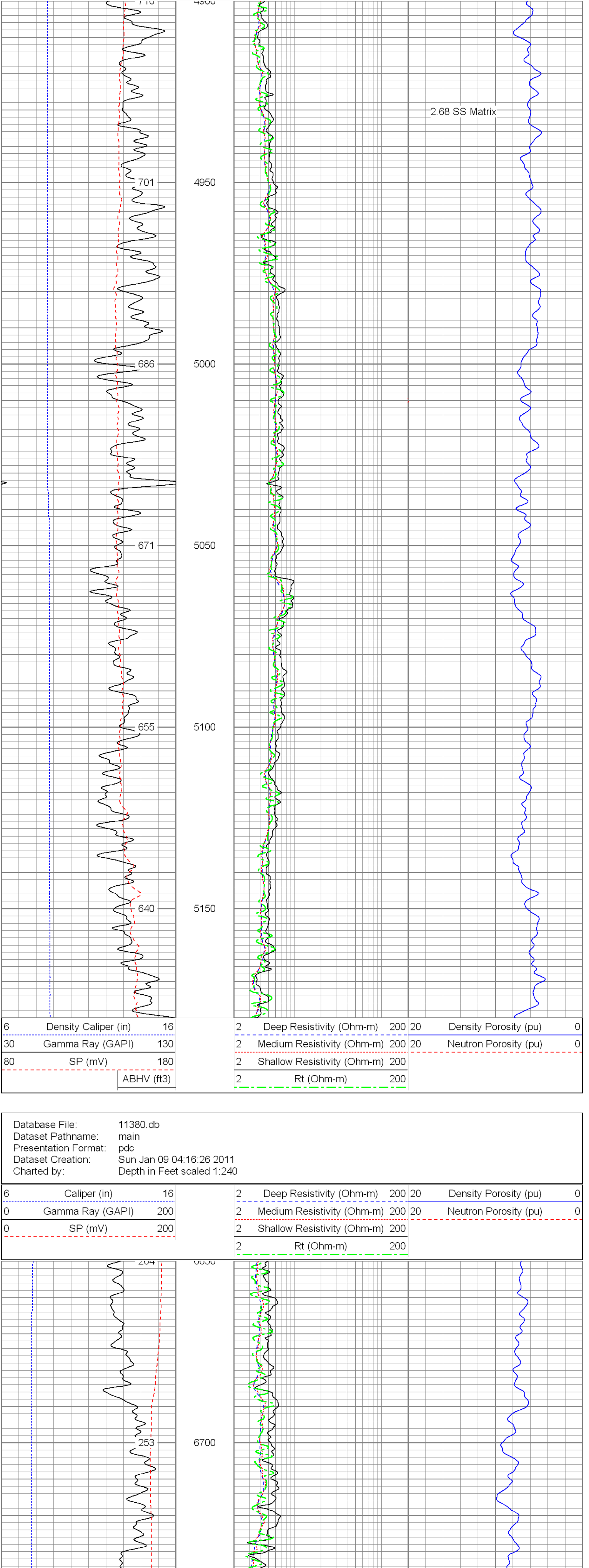

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