PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company	Great Western Oil & Gas, LLC.
Well	Harrell 4-11
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	883' FNL & 805' FWL NW NW Sec. 4, Twp. 5N, Rge. 65W
Other Services	Dual Induction
Elevation	K.B. 4665 D.F. 4664 G.L. 4649

Company
Well
Field
County
State/Prv

Permanent Datum	GL	Elevation	4649
Log Measured From	KB		
Drilling Measured From	KB		

Date	June 07, 2008
Run Number	1
Depth Driller	7205
Depth Logger	7200
Bottom Logged Interval	7180
Top Log Interval	3490
Casing Driller	425
Casing Logger	Not Logged
Bit Size	7-7/8"
Type Fluid in Hole	Chem Gel
Density / Viscosity	9.9 / 50
pH / Fluid Loss	7.5 / 10.2
Source of Sample	Flowline
Rm @ Meas. Temp	3.91 @ 63 F
Rmf @ Meas. Temp	3.50 @ 63 F
Rmc @ Meas. Temp	4.38 @ 63 F
Source of Rmf / Rmc	Measure / Calc
Rm @ BHT	1.17 @ 210 F
Time Circulation Stopped	1730 06/06/08
Time Logger on Bottom	0045 06/07/08
Maximum Recorded Temperature	210 F
Equipment Number	4420
Location	Brighton, CO
Recorded By	Maciej Staron
Witnessed By	Mark Scannello Jay Pape

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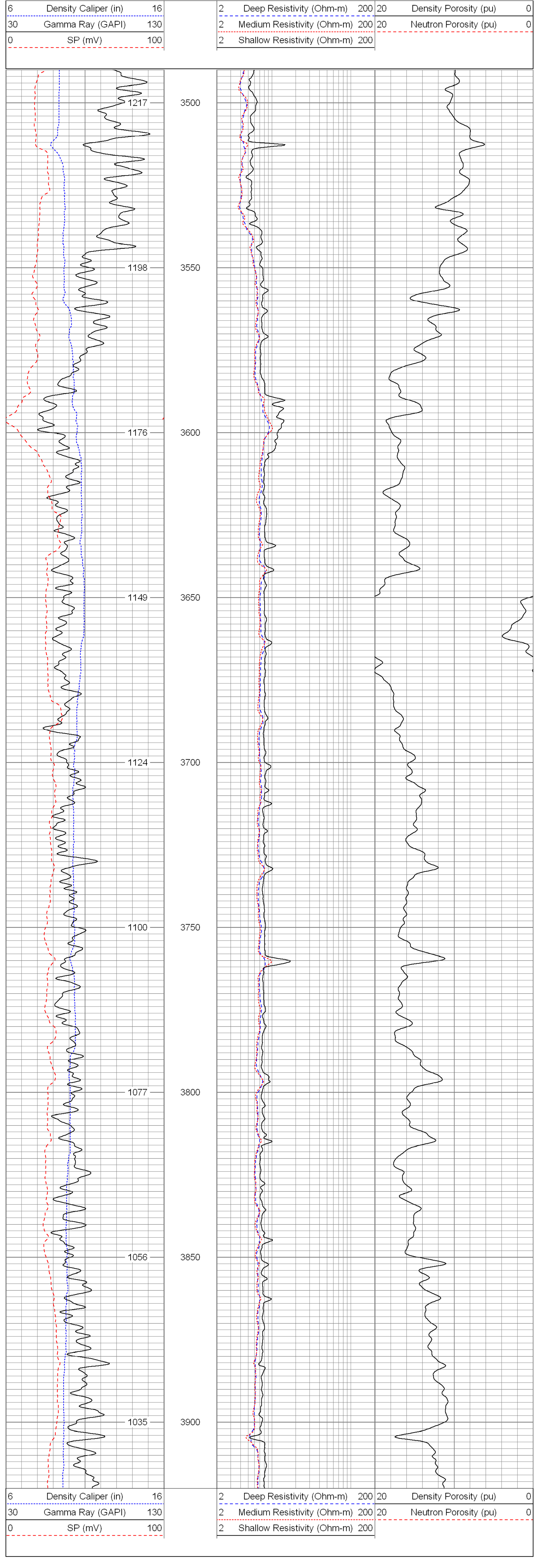
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 7
Thank you for using Phoenix Surveys!!
API #: 05-123-25919-00

Database File: 8743.db
Dataset Pathname: main
Presentation Format: pdc1
Dataset Creation: Sat Jun 07 02:16:55 2008
Charted by: Depth in Feet scaled 1:240



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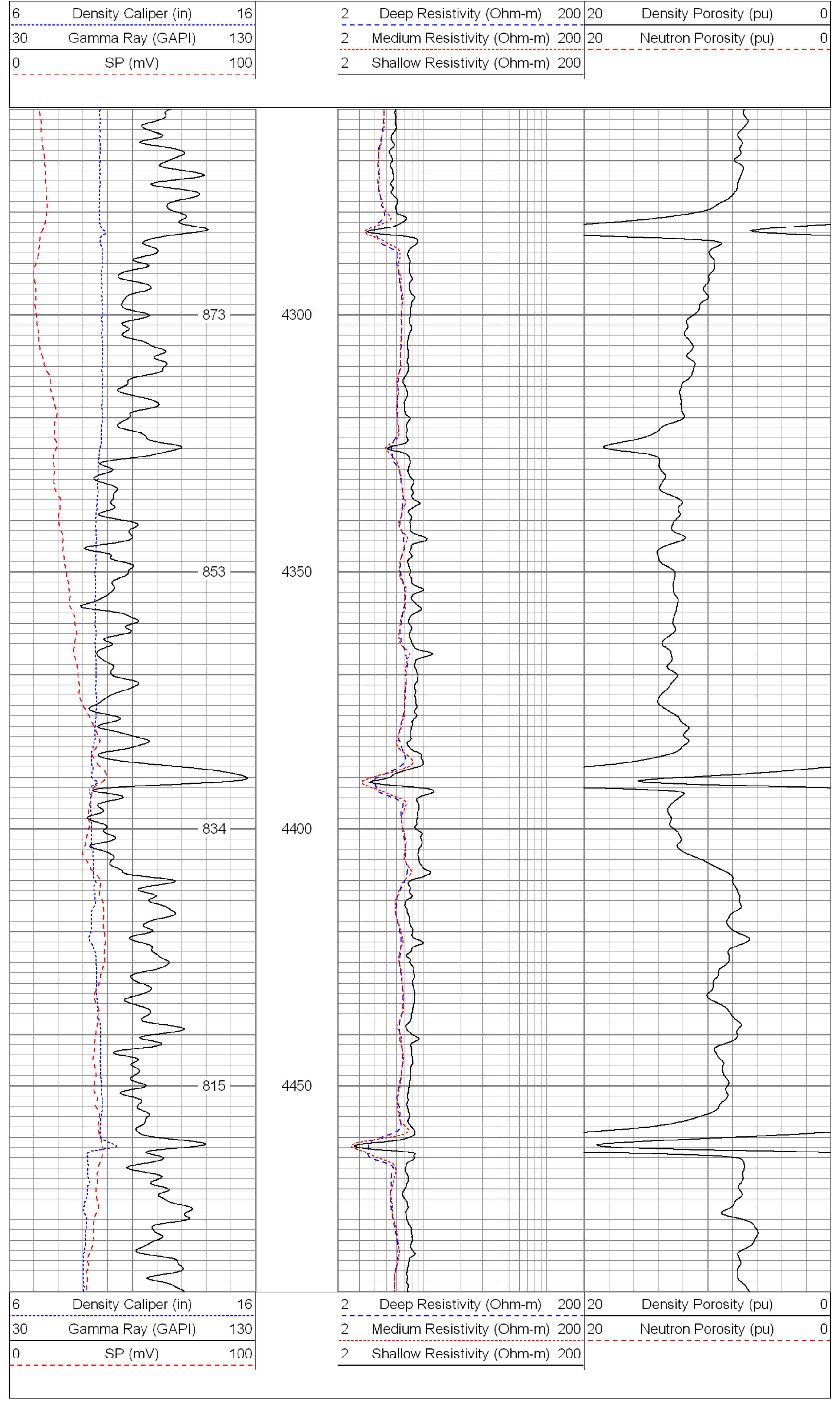

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6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
20 Density Porosity (pu) 0
20 Neutron Porosity (pu) 0
157
6600
144
6650
130
6700
117
6750
104
6800
91
6850
79
6900
66
6950
54
7000
41
7050
29
7100
17
7150
6
7200