PSI
PHOENIX SURVEYS, INC.

# COMPENSATED DENSITY
# COMPENSATED NEUTRON
# GAMMA RAY

| | |
|---|---|
| Company | Great Western Oil & Gas LLC |
| Well | Gustafson 31-22 |
| Field | Eaton |
| County | Weld |
| State/Province | Colorado |
| Location | 1977' FNL & 2131' FWL<br>SE NW<br>Sec 31, Twp - 7N, Rge - 65W |
| Other Services | Dual<br>Induction |
| Elevation | K.B. 4837<br>D.F. 4836<br>G.L. 4821 |

Company
Well
Field
County
State/Prv

| | | | | |
|---|---|---|---|---|
| Permanent Datum | GL | Elevation | 4821 | |
| Log Measured From | KB | | | |
| Drilling Measured From | KB | | | |
| Date | February 16, 2010 | | | |
| Run Number | 1 | | | |
| Depth Driller | 7432 | | | |
| Depth Logger | 7458 | | | |
| Bottom Logged Interval | 7438 | | | |
| Top Log Interval | 3740 | | | |
| Casing Driller | 555 | | | |
| Casing Logger | Not Logged | | | |
| Bit Size | 7-7/8" | | | |
| Type Fluid in Hole | Chem Gel | | | |
| Density / Viscosity | 9.0 / 55 | | | |
| pH / Fluid Loss | 9.0 / 9.6 | | | |
| Source of Sample | Flowline | | | |
| Rm @ Meas. Temp | 3.32 @ 68° F | | | |
| Rmf @ Meas. Temp | 2.49 @ 68° F | | | |
| Rmc @ Meas. Temp | 4.15 @ 68° F | | | |
| Source of Rmf / Rmc | Measure / Calc | | | |
| Rm @ BHT | 1.10 @ 205° F | | | |
| Time Circulation Stopped | 1400 | | | |
| Time Logger on Bottom | 2145 | | | |
| Maximum Recorded Temperature | 205° F | | | |
| Equipment Number | 50 | | | |
| Location | Brighton, CO | | | |
| Recorded By | Maciej Staron | | | |
| Witnessed By | Jay Pape | Mark Scanniello | | |

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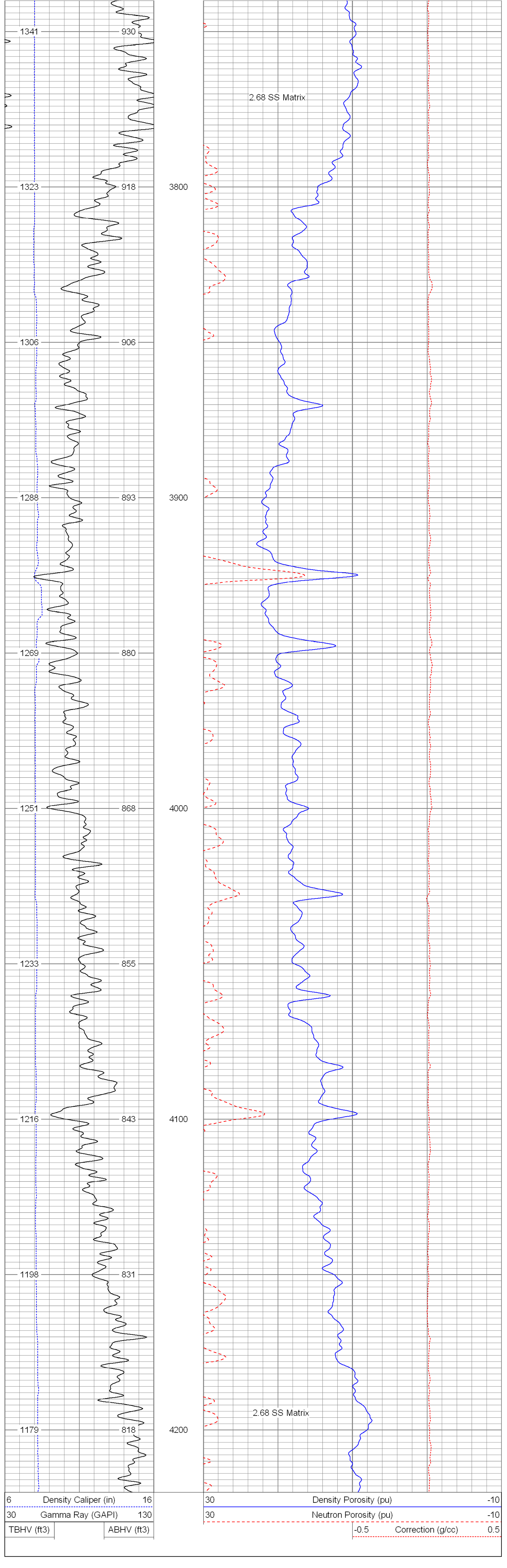
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred 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 7
Thank you for using Phoenix Surveys.
API #: 05-123-25566-0000

| | |
|---|---|
| Database File: | 10340.db |
| Dataset Pathname: | pass7 |
| Presentation Format: | den_neu1 |
| Dataset Creation: | Tue Feb 16 21:46:27 2010 by Log Open-Cased 081212 |
| Charted by: | Depth in Feet scaled 1:240 |



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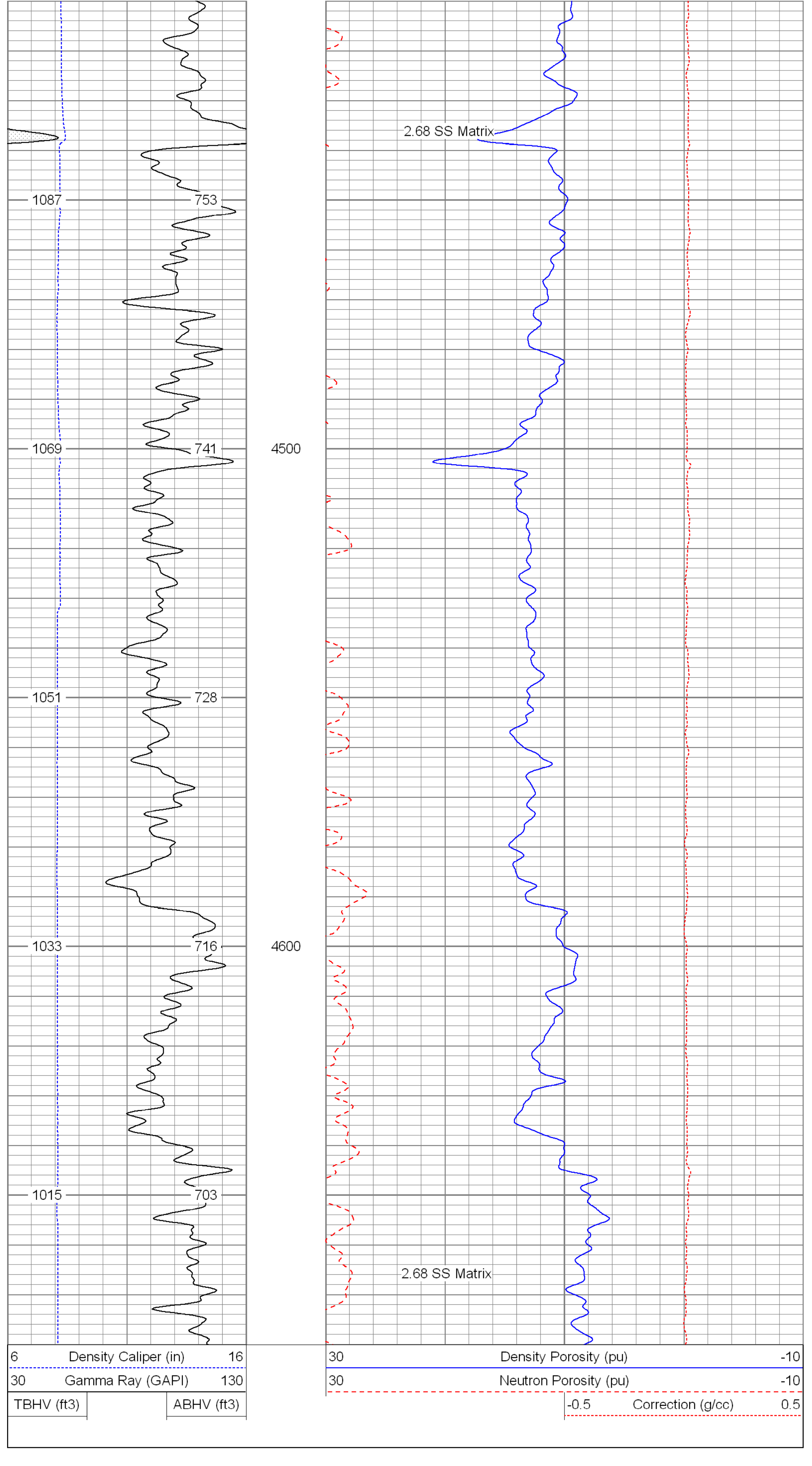

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