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|------------------------------|-------------------|--|------|-----------|--|---|--|
| Company | | | | | | Great Western Oil & Gas LLC | |
| Well | | | | | | Great Western 35-52 | |
| Field | | | | | | Wattenberg | |
| County | | | | | | Weld | |
| State/Prov | | | | | | Colorado | |
| Location | | 1130 FNL & 1400 FWL NE NW/ Sec 35, Twp - 67W | | | | Other Services High Res Induction | |
| Pennantment Datum | GL | Elevation | 4740 | K.B. 4795 | | | |
| Log Measured From | KB | | | D.F. 4755 | | | |
| Casing Measured From | KB | | | O.L. 4740 | | | |
| Date | | | | | | | |
| Number | February 12, 2011 | | | | | | |
| Depth Logger | 7286 | | | | | | |
| Bottom Logger | 7287 | | | | | | |
| Bottom Logged Interval | 7247 | | | | | | |
| Top Log Interval | 3350 | | | | | | |
| Casing Outer | 4.438 | | | | | | |
| Casing Inner | 104.2 | | | | | | |
| BH Size | 7.75" | | | | | | |
| Type Fluid In Hole | Chem Seal | | | | | | |
| pH / Fluid Loss | 9.5 / 6.8 | | | | | | |
| Source of Sample | Flowline | | | | | | |
| Sample Location | 3' from surface | | | | | | |
| Rent @ Mass Temp | 2.65 @ 57°F | | | | | | |
| Rent @ Mass Temp | 3.89 @ 57°F | | | | | | |
| Source of Rent / Time | Measure / Calc | | | | | | |
| Em. @ BHT | 1.05 @ 211°F | | | | | | |
| Time Circulation Stopped | 1130 | | | | | | |
| Time Circulation Started | 1135 | | | | | | |
| Maximum Recorded Temperature | 4000 | | | | | | |
| Equipment Number | Bighorn CO | | | | | | |
| Recorded By | Randy Conley | | | | | | |
| Reviewed By | Jody Adams | | | | | | |

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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 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 losses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are subject to our general terms and conditions set out in our current Price Schedule.

Consents

Annular volume calculated for 4.5" casing
Ensign Drilling Rig 7
Thank you for using Phoenix Surveys.

API #: 05-123-30748-00

| | | | |
|----------------------|--|----------------------------|--|
| Database File: | | 11455.db | |
| Dataset Pathname: | | final | |
| Presentation Format: | | poro1 | |
| Dataset Creation: | | Sun Feb 13 19:30:46 2011 | |
| Charted by: | | Depth in Feet scaled 1:240 | |

| | | | | | |
|------------|----------------------|------|-------------|-----------------------|-----|
| 6 | Density Caliper (in) | 16 | 30 | Density Porosity (pu) | -10 |
| 30 | Gamma Ray (GAPI) | 130 | 30 | Neutron Porosity (pu) | -10 |
| TEHV (ft3) | ABHV (ft3) | -0.5 | Corr (g/cc) | 0.5 | |

2.68 SS Matrix

