Report No: 47

Project Manager: Michael Moore
Cost Incurred to Date: $4,516,230.92
State: OR

Measured Depth (ft.): 10,060
Field Tickets:
County: Deschutes

Vertical Depth (ft.):
Field: Newberry

Plug Back MD:

Plug Back TVD:


Planned Operations: Continue running Stim Pump 2. Inject diverter and tracers when stim pump 1 repaired (likely one week out).

Well site Supervisors: Ted DeRocher Michael Moore
Tel No.: 775-830-7406 541-410-1795

Measured Depth (ft.): 10,060
Field: Newberry

Operations Summary for Nov. 11th

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Elapsed</th>
<th>Code</th>
<th>Operations Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0:00</td>
<td>16:00</td>
<td>16.00</td>
<td>134.000</td>
<td>Running Stim Pump 2 at 45 Hz for the duration of this time period. Put tarp over both VFD’s so snow will not get into air intake of system. Measured flow from weir box at 220 gpm.</td>
</tr>
<tr>
<td>16:00</td>
<td>16:38</td>
<td>0.63</td>
<td>134.000</td>
<td>Ramped up Stim Pump 2 to 50 Hz and reduced the automatic valve to 44%. Amps for this configuration were: (1A: 532, 1B: 563, 1C: 543). Discharge was 673 gpm and well head pressure was 763 psi.</td>
</tr>
</tbody>
</table>

Issued PO’s

<table>
<thead>
<tr>
<th>VENDOR</th>
<th>AMOUNT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bend Oil Co., Inc</td>
<td>$4,748.08</td>
<td>Refill Diesel Tanks</td>
</tr>
</tbody>
</table>

Activity Comments

Continuing to run stim pump 2 at 47 Hz until stim 1 is repaired. Bend Oil on site to refuel trucks and generators.
Max. well head pressure reached today: 763 psi
Max. flow through pumps before bypass: 673 gpm
Max. flow down hole: 175 gpm
Volume pumped down hole today: 240,210 gallons

Total injected volume: 5,241,242 gallons.
A memo with further explanation for upward change of injected volume is being prepared.

Entered: 11/12/2012