## Current Operations:
Installing filter system. Running booster and sump pumps.

## Prior Operations:
Pump repair. Running booster and sump pumps.

## Planned Operations:
Wait on pump repairs. Inject diverter and tracers when stim pumps repaired (beginning of next week).

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

### Field Tickets:
- **County:** Deschutes  
- **Field:** Newberry

### Operations Summary for November 16, 2012

<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>10:02</td>
<td>10.03</td>
<td>INJ</td>
<td>Running booster pumps and sump pump overnight. WHP 50 psi, approximately 67 gpm going down hole.</td>
</tr>
<tr>
<td>10:02</td>
<td>13:00</td>
<td>2.97</td>
<td>WOE</td>
<td>Cascade pump onsite installing filter screen on inlet of stim pumps and filter basket for sump pump. All pumps and generators are off during this period. Refilled engine oil on Generator 2.</td>
</tr>
<tr>
<td>13:00</td>
<td>23:59</td>
<td>10.98</td>
<td>INJ</td>
<td>Re-started pumping system. Repaired all leaks. Shut off bypass valve to test flow meter. With bypass 100% closed, WHP reached 93 psi and 78gpm going down hole. Re-opened globe valve 1-1/2 turns and running booster pumps and sump pump overnight to prevent freezing. WHP: 78 psi and approximately 70 gpm going down hole.</td>
</tr>
</tbody>
</table>

### Issued PO's

<table>
<thead>
<tr>
<th>VENDOR</th>
<th>AMOUNT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
</table>

### Activity Comments
Will continue to run booster pump/sump pump system until both stim pumps arrive next week.
Max. well head pressure reached today: 91 psi
Max. flow through pumps before bypass: 325 gpm
Max. flow down hole: 200 gpm
Volume pumped down hole today: 91,575 gallons

Total injected volume: 6,138,826 gallons.

NN18 water level: 562.1 ft bgs