APPLICATION to DRILL a GEOTHERMAL WELL
OREGON DEPARTMENT of GEOLOGY and MINERAL INDUSTRIES • 229 BROADALBIN ST SW • ALBANY OR 97321

(In compliance with rules and regulations pursuant to ORS 522)

REQUIREMENTS

A complete application is required to obtain a permit to drill a geothermal well.

A complete application consists of:

1. Completed application form
2. Application fee per ORS 522.115(2)(g)
3. Drilling and Reclamation Plan
4. Financial security per ORS 522.145
5. Location Map

If the applicant is other than an individual, the entity must be registered to do business in Oregon if required by the Secretary of State's office.

Per ORS 522.115 and OAR 632-020-0030, the department may require other applicable information to complete review of an application.

Upon completion of department review of an application, materials are forwarded to other local, state, federal, and Tribal partners for a 45-day review period.

The applicant is responsible for obtaining permits from other agencies as required.
### (1) Permittee Information

<table>
<thead>
<tr>
<th>Name</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address</td>
<td>Lease</td>
</tr>
<tr>
<td>City/State/Zip</td>
<td>Well No.</td>
</tr>
<tr>
<td>Telephone</td>
<td>Location</td>
</tr>
<tr>
<td>Fax</td>
<td>Wildcat or Field</td>
</tr>
<tr>
<td>Email</td>
<td>Elevation</td>
</tr>
<tr>
<td>Prepared by</td>
<td>Lat/Long of Wellhead</td>
</tr>
<tr>
<td>On Site Contact</td>
<td>Surveyed SHL coordinates; include BHL for directional wells</td>
</tr>
<tr>
<td>Phone (day)</td>
<td>Geologic Objective</td>
</tr>
<tr>
<td>Phone (night)</td>
<td>Proposed Depth</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

### (2) Well Information

<table>
<thead>
<tr>
<th>1/4</th>
<th>S</th>
<th>T</th>
<th>R</th>
</tr>
</thead>
</table>

### Signature

<table>
<thead>
<tr>
<th>Signature</th>
<th>Title</th>
<th>Date</th>
</tr>
</thead>
</table>

### (3) Lease/Ownership (if other than applicant)

<table>
<thead>
<tr>
<th>Lessor (mineral owner)</th>
<th>Surface Owner</th>
<th>Lessee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City/State/Zip</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### (4) Proposed Well Design (use additional sheets if necessary)

<table>
<thead>
<tr>
<th>Size of hole</th>
<th>Size of Casing</th>
<th>Weight (pounds per foot)</th>
<th>Grade/Type</th>
<th>Depth</th>
<th>Type and Amount of Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bbls.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bbls.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bbls.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bbls.</td>
</tr>
</tbody>
</table>

### (5) Slurry Design for each String (use additional sheets if necessary)

<table>
<thead>
<tr>
<th>String 1</th>
<th>Annulus height</th>
<th>HT. left in casing</th>
<th>Excess</th>
<th>Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tail</td>
<td>ft.</td>
<td>ft.</td>
<td>bbls.</td>
<td>ppg.</td>
</tr>
<tr>
<td>Lead</td>
<td>ft.</td>
<td>ft.</td>
<td>bbls.</td>
<td>ppg.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>String 2</th>
<th>Annulus height</th>
<th>HT. left in casing</th>
<th>Excess</th>
<th>Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tail</td>
<td>ft.</td>
<td>ft.</td>
<td>bbls.</td>
<td>ppg.</td>
</tr>
<tr>
<td>Lead</td>
<td>ft.</td>
<td>ft.</td>
<td>bbls.</td>
<td>ppg.</td>
</tr>
</tbody>
</table>

### (6) Geologic Information - if known (use additional sheets if necessary)

<table>
<thead>
<tr>
<th>Assumed fracture gradient of rock vs. depth</th>
<th>1</th>
<th>at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pore gradient of rock vs. depth (if known)</td>
<td>2</td>
<td>at</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>at</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>