APPLICATION FOR PERMIT TO DRILL A GEOTHERMAL WELL

Department of Geology and Mineral Industries
Portland, Oregon 97201

In compliance with rules and regulations pursuant to ORS 522 (Chapter 776 OL 1971) application is hereby made for permit to drill a (new well/prospect well): Phillips Petroleum Company


This well is 530 feet (N) (S) of the south line and 530 feet (E) (W) of the east line of section 12.

Elevation of ground above sea level is 4050 feet. All depth measurements are taken from top of rotary table, which is six feet above ground.

The lessee is no lease has been issued

Address

The lessor is Bureau of Land Management

Address Portland Office

LOCATE WELL CORRECTLY

We propose to use the following strings of casing and to land or cement them as herein indicated:

<table>
<thead>
<tr>
<th>Size of hole</th>
<th>Size of casing</th>
<th>Weight in pounds per foot</th>
<th>Grade and type</th>
<th>New or second hand</th>
<th>Depth</th>
<th>Landed or cemented No. sacks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 1/2&quot;</td>
<td>7&quot;</td>
<td>23.5</td>
<td>Standard</td>
<td>New</td>
<td>150'</td>
<td>Cemented 100 sacks</td>
</tr>
<tr>
<td>6 1/4&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2000'</td>
<td></td>
</tr>
</tbody>
</table>

Method of drilling: rotary X, cable _, other _.

Proposed objectives: Complete the hole as a temperature gradient hole, measure static water level, observe the subsurface geology

Approved Nov 25 1977

DEPT. OF GEOLOGY & MINERAL INDUS.

By Walter R. Benoit

Geologist

By Director

By

Phillips Petroleum Company

By Walter R. Benoit

Name Walter R. Benoit

Address P.O. Box 10566

Reno, Nevada 89510

(Submit in triplicate)