APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a $100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Portland, Oregon August 4 1980

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 OR 1977) application is hereby made for permit to drill a well to be known as American Quasar Petroleum Co. Investment Management (company or operator) (lease)

Well No. 20-11 in NW 1/4 NW 1/4 of Sec. 20, T., 6N, R., 4W, W.B.M.

Wildcat Field, Columbia County.

Survey Coordinates: 4800.33' FSL & 671' FWL (see attached plat)

Elevation of ground above sea level is 651.38 feet. All depth measurements are taken from top of Kelly Bushing, which is approx. 12' above ground.

Lessee: American Quasar Petroleum Co.
Address: 1700 Broadway, Suite 707, Denver, Colo. 80290

Lessor: Investment Management Co.
Address: 1027 American Bank Bldg., Portland, Oregon 97265

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.acks cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-7/8&quot;</td>
<td>7&quot;</td>
<td>23#</td>
<td>K55</td>
<td>New</td>
<td>500'</td>
<td>Cmt. to surf.</td>
</tr>
<tr>
<td>6-1/2&quot;</td>
<td>4-5/8&quot;</td>
<td>9.5#</td>
<td>K55</td>
<td>New</td>
<td>3000'</td>
<td>200 sx</td>
</tr>
</tbody>
</table>

Proposed Depth: 3000' Objectives: Eocene

American Quasar Petroleum Co.

company or operator

By

Position
Division Drilling Engineer

Send communications regarding well to:
Name
American Quasar Petroleum Co.
Address
204 Superior Bldg., 201 N. Wolcott Casper, WY 82601

Approved September 5, 1980

DEPT. OF GEOLOGY & MINERAL INDUSTRY
By Director

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided those authorities make a determination of compliance with statewide goals.
APPLICATION FOR PERMIT TO DRILL AN OIL AND GAS WELL OR STRATIGRAPHIC HOLE
(To be accompanied by a $100 permit fee for new wells only and a surety bond conditioned as provided by law.)

Portland, Oregon August 4, 1980

In compliance with rules and regulations pursuant to ORS 590 (Chapter 296 O.C. 1977) application is hereby made
for permit to drill a new well steppage hole to be known as American Quasar Petroleum Co. Investment Management
(Company or Operator) (lease)

Well No. 20-11 in NE¼ NW¼ of Sec. 20, T. 6N, R. 4W W.B.M.

Wildcat Field, Columbia County.

Survey Coordinates: 4800' FSL & 671' FWL (see attached plat)

Correction: 1600' FWL & 4143' FSL

Elevation of ground above sea level is 651.38 feet. All depth measurements are taken from top
of Kelly Bushing, which is approx. 12' above ground.

Lessees: American Quasar Petroleum Co.

Address: 1700 Broadway, Suite 707, Denver, Colo. 80290

Lessee: Investment Management Co.

Address: 1027 American Bank Bldg., Portland, Oregon 97265

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

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<td>Cmt. to surf.</td>
</tr>
<tr>
<td>6-7/8&quot;</td>
<td>4-3/4&quot;</td>
<td>9.5#</td>
<td>K55</td>
<td>New</td>
<td>3000'</td>
<td>200 sx</td>
</tr>
</tbody>
</table>

Proposed Depth: 3000' Objectives: Eocene

American Quasar Petroleum Co.

Approved September 5, 1980

DEPT. OF GEOLOGY & MINERAL INDUSTRY

1979 stipulations approved by the Governing Board of the Department will be made a condition of this permit.

DEPARTMENT OF GEOLOGY & MINERAL INDUSTRY

By GEOLOGIST

NOTE: This permit is valid only if land use approval is obtained from the county or city in which the drilling takes place, and provided these authorities make a determination of compliance with statewide goals.