

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
1069 State Office Building      Portland, Oregon 97201

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 Nov. 27 1979

In compliance with rules and regulations pursuant to ORS 520 (Chapter 296 of 1977) application is hereby made for permit to drill a <sup>(new well)</sup>~~(stratigraphic hole)~~ to be known as American Quasar Petroleum Co. Crown Zellerbach  
(company or operator) (lease)

Well No. 14/21 in NE $\frac{1}{4}$  NW $\frac{1}{4}$  of Sec. 14, T. 5N, R. 5W W.B.&M.  
Wildcat Field, Columbia County.

Survey Coordinates: See attached plat.

Elevation of ground above sea level is 768' feet. All depth measurements are taken from top of Kelly Bushing, which is 11.40' above ground.

Lessee: American Quasar Petroleum Co.

Address: 707 United Bank Center, 1700 Broadway, Denver, CO 80290

Lessor: Crown Zellerbach

Address: 1 Bush St., San Francisco, California 94104

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

Size of hole	Size of casing	Weight in pounds per foot	Grade and type	New or second hand	Depth	Landed or cemented No. sacks cement
9-7/8"	7"	23#	K-55	New	500'	Cmt. to surf.
6 1/4"	4 1/2"	9.5#	K-55	New	TD	Cover all pay zones

Proposed Depth: 5,000'

Objectives: Eocene

Approved January 7, 19 80  
except as follows: Stipulations approved by the Governing Board of the Department will be made a condition of this permit.

DEPT. OF GEOLOGY & MINERAL INDUSTRY  
By Arnon C. Newton Director  
**PETROLEUM ENGINEER**

American Quasar Petroleum Co.

By John F. Sindelar company or operator  
Position Division Dirg. Supt.

Send communications regarding well to:

Name American Quasar Petroleum Co.  
Address 204 Superior Bldg.  
201 North Wolcott St.  
Casper, Wyoming 82601

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.