

APPLICATION FOR PERMIT TO DRILL A GEOTHERMAL WELL OR PROSPECT WELL
(To be accompanied by a \$25.00 permit fee for new wells only and a surety bond conditioned as provided by law.)

Department of Geology and Mineral Industries
Portland, Oregon 97201

Portland, Oregon July 1, 1974

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): MAGMA ENERGY, INC. MAGMA-LA GRANDE
(company or operator) (lease)

Well No. 1 in NW4 of sec. 9, T. 4S, R. 39E W. B. & M.,

La Grande Field, Union County.

This well is 1150 feet ~~250~~ of the North line and 1900 feet ~~1040~~
of the West line of Sec. 9.

(Give location from section or other legal subdivision lines or corners; cross out wrong directions.)

Elevation of ground above sea level is _____ feet. All depth measurements are taken from

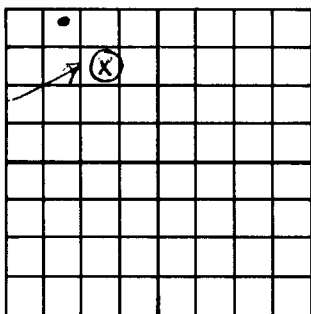
top of Kelly Bushings, which is 12' above ground.

The lessee is MAGMA ENERGY, INC.

Address 631 So. Witmer Street, Los Angeles, California 90017

The lessor is _____

LOCATE WELL CORRECTLY



Section of land
Area 640 acres

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
28"	20"	52.73#	Conductor	New	50+	50+
17 1/2"	13 3/8"	54.5#	J-55	New	1200+-	400+
10 5/8"	8 5/8"	36#	J-55	Used	3500+-	800+
7 7/8"	6 5/8"	24#	J-55	New	3300-5000+-	Slotted Liner

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

Proposed objectives:

To drill an Exploratory Geothermal well to determine whether the temperature of steam or water therein are suitable for commercial production applicable to Generation of Electrical Power.

Approved July 25, 19 74
except as follows:
May 7, 1973, DEQ stipulations a condition of this permit.
DEPT. OF GEOLOGY & MINERAL INDUS.
By [Signature] Director

MAGMA ENERGY, INC.
company or operator MANAGER
By Richard Foss Research-Development
position
Send communications regarding well to:
Name Richard Foss
Address 631 So. Witmer Street
Los Angeles, California 90017

(Submit in triplicate)