**UNITED STATES**
**DEPARTMENT OF THE INTERIOR**
**GEological SURVEY**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. **TYPE OF WORK**
- DRILL [ ]
- DEEPEN [x]
- PLUG BACK [ ]

1b. **TYPE OF WELL**
- OIL [ ]
- GAS [ ]
- OIL WELL [ ]
- GAS WELL [ ]
- OTHER [x] Geothermal

1c. **ZONE**
- SINGLE [ ]
- MULTIPLE [ ]

2. **NAME OF OPERATOR**

U. S. Geological Survey, WRD, WR

3. **ADDRESS OF OPERATOR**

345 Middlefield Road, MS 67, Menlo Park, CA 94025

4. **LOCATION OF WELL** (Report location clearly and in accordance with any State requirements.*):

- At lease

NE 3-SE 4, sec. 7, T.3S., R.9E.

- At proposed prod. zone

5. **DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE**

3 mi NE Government Camp, OR 97028

6. **DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.** (Also to nearest dril, unit line, if applicable):

(Report location clearly and in accordance with any State requirements.*)

7. **DISTANCE BETWEEN PROPOSED LOCATION AND EXISTING WELs, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.**

(Report location clearly and in accordance with any State requirements.*)

approx 5340 land surf.

8. **PROPOSED DEPTH**

4,000 feet

9. **ROTARY OR CABLE TOOL**

Mud rotary

10. **DATE WORK WILL START**

June, 1980

**PROPOSED CASING AND CEMENTING PROGRAM**

<table>
<thead>
<tr>
<th>SIZE OF HOLE</th>
<th>SIZE OF CASING</th>
<th>WEIGHT PER FOOT</th>
<th>SETTING DEPTH</th>
<th>QUANTITY OF CEMENT</th>
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See attached diagram showing present status of hole, and proposed plan for deepening and testing.

**DATE**

Feb. 15, 1980

**SIGNED**

James H. Robinson

**TITLE**

Hydrologist

**PERMIT NO.**

0117

**APPROVAL DATE**

Feb. 28, 1980

**APPROVED BY**

O. D. L. — Geothermal

**CONDITIONS OF APPROVAL, IF ANY:**

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