United States Department of the Interior
Geological Survey, Conservation Division

Geothermal Drilling Permit

The U.S. Geological Survey requires this form or other Supervisor approved forms to be prepared and filed in duplicate with requisite attachments with the Supervisor. The Supervisor must approve this permit prior to its issue.

1. TYPE OF WORK: DRILL NEW WELL ( ) REDRILL ( ) DEEPEN ( ) PLUG BACK ( ) DIRECTIONALLY DRILL ( ) OTHER ( )
   1. WELL TYPE: PRODUCTION ( ) INJECTION ( ) HEAT EXCHANGE ( ) OBSERVATION ( ) WATER SUPPLY ( ) OTHER ( )

2. WELL STATUS: Core hole to be drilled. No existing wells.

3. NAME OF LEASED OPERATOR
   GEO Operator Corporation (GEO-Newberry)

4. ADDRESS OF LEASED OPERATOR
   2300 County Center Dr. #250 Santa Rosa, CA 95401

5. LOCATION OF WELL
   4100' North & 500' East of the Southwest corner of Sec 24, T20S, R12E
   as proposed prod. zone
   N/A

6. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE
   3.2 miles south of outer northern boundary of unit

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR ON THIS LEASE
   9 miles from N-2 (950' West & 2600' North of the Southeast corner of Sec 32, T21S, R12E

8. DRILLING MEDIA AND CHARACTERISTICS: AIR ( ) WATER ( ) MED & PC ( ) OTHER ( )
   39. PROPOSED DEPTH: MEASURED 4000'

9. ELEVATIONS: ESTIMATED (ft) FINAL ( )
   40. ELEVATION: OR ( ) MAX ( ) FT ( ) FT ( )
   41. CHARTWRIST FANAGE ( ) OTHER ( )

10. ELEVATIONS AND/OR PROPOSED LANDING AND CENTERING PROGRAM: List existing program first, followed by proposed program, and separate by a sufficient space to clearly distinguish the two programs.

<table>
<thead>
<tr>
<th>SIZE OF HOLE</th>
<th>SIDE OF CASING</th>
<th>WEIGHT PER FOOT</th>
<th>COUPLING</th>
<th>THREADS</th>
<th>GRADE</th>
<th>SETTING DEPTH</th>
<th>QUANTITY OF CEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-5/8&quot;</td>
<td>4-1/2&quot;</td>
<td>7.7#</td>
<td>Diamond</td>
<td>Drill</td>
<td>A-120</td>
<td>Surf 400'</td>
<td>25 cu.ft.</td>
</tr>
</tbody>
</table>

11. PROPOSED WORK SUMMARY

Refer to attached Drilling Program.

Michael J. Cale
Sr. Env. Coordinator
DATE 3-26-85

This permit is required by law (30 U.S.C. 1021) and regulations 30 CFR 170.71; Federal Geothermal Lease Terms and Conditions and other regulatory requirements. The United States' Criminal Code (18 U.S.C. 1001) makes it a criminal offense to make a willfully false statement in representation to any Department or Agency of the United States as to any matter within its jurisdiction.

(See Instructions on reverse side)