

**GEOHERMAL SURVEY NOTICE**

The U.S. Geological Survey requests this form or other Supervisor approved form to be triplicate with requisite attachments with the Supervisor. The Supervisor must approve this permit prior to any lease operations.

15 1987  
OREGON STATE OFFICE  
BUREAU OF LAND MANAGEMENT

Form Approved  
Budget Bureau No.

1a. WELL TYPE: PRODUCTION ( ) INJECTION ( ) HEAT EXCHANGE ( ) OBSERVATION ( ) OTHER ( )

1b. WELL STATUS:  
Permanent Abandonment

2. NAME OF LESSEE/OPERATOR  
GEO Newberry Crater, Inc.

3. ADDRESS OF LESSEE/OPERATOR  
61419 S. Highway 97, Suite A, Bend, OR 97702

13. LOCATION OF WELL OR FACILITY  
3600' W and 2750' N of SW corner of S25, T22S, R12E

14. TYPE OF WORK

CHANGE PLANS ( )	CONVERT TO INJECTION ( )	PULL OR ALTER CASING ( )
SITE AND ROAD CONSTRUCTION ( )	FRACTURE TEST ( )	MULTIPLE COMPLETS ( )
CONSTRUCT NEW PRODUCTION FACILITIES ( )	SHOOT OR ACIDIZE ( )	ABANDON ( )
ALTER EXISTING PRODUCTION FACILITIES ( )	REPAIR WELL ( )	OTHER ( )

4. LEASE SERIAL NO.  
OR-12004

5. SURFACE NUMBER: SLN ( ) FS X  
Other ( )

6. WELL ADJACENT NAME  
Newberry Volcano Fla

7. WELL NO. N-1 PERMIT NO. OR92085DNBO

8. FIELD OR AREA  
Newberry Volcano

10. SEC. T., R., S. & N.  
S25, T22S, R12E

11. COUNTY  
Deschutes

12. STATE  
Oregon

15. DESCRIBE PROPOSED OPERATIONS (Use this space for well activities only. See instructions for current well conditions on reverse)

Proposed operations for permanently abandoning GEO N-1 include the following:

1. Separate 1.9" O.D. tubing (J-55) from 4" LP Flange by cutting with torch.
2. Remove 7-1/16 x 4-1/2" HW well head, 2" ball valves, and 4" LP flange from 4-1/2" HW regular casing.
3. Cement from surface 4-1/2" HW casing to a minimum depth of 15 meters (50 feet) measured from 2 meters (6 feet) below ground level with ASTM Type 1 & 11 Portland Cement.
4. Cap casing by welding steel plate on stub.
5. Remove cellar cribbing.
6. Backfill cellar and restore surface area as specified by USFS.

16. DESCRIBE PROPOSED OPERATIONS (Use this space for all activities other than well work)

17. I hereby certify that the foregoing is true and correct (See reverse side if needed)

SIGNED *Clody Spence* TITLE Environmental Coordinator DATE July 7, 1987

(This space for Federal use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

This permit is required by law (30 U.S.C. 1023); regulations: 30 CFR 270.34, 30 CFR 270.35, 30 CFR 270.45, 30 CFR 270.71-1, 30 CFR 270.72; Federal Geothermal Lease Terms and Stipulations 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 or representation to any Department or Agency of the United States as to any matter within its jurisdiction.