

GEOHERMAL SURVEY WORKS

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

4. LEASE SERIAL NO.	OR-40498
5. SURFACE MANAGER	Other
6. UNIT AGREEMENT NAME	Newberry Flank Unit
7. WELL NO.	N-3
8. PERMIT NO.	OR 92086DNBO
9. FIELD OR AREA	Newberry Volcano
10. SEC. T., R., S. & M.	Sec. 24, T20S, R12E
11. COUNTY	Deschutes
12. STATE	Oregon

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

1b. WELL STATUS:  
Temporary Abandonment

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

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

13. LOCATION OF WELL OR FACILITY  
4100' N & 500' E of SW corner Section 24, T20S, R12E

14. TYPE OF WORK

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

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

Spud date: 6/2/86 Well Condition: See Attached

Completion date: 7/31/86

This well is temporarily abandoned. GEO proposes to permanently abandon the well.

Proposed Method of Abandonment

A perforation will be completed in the 1.516 inch I.D. tubular in the interval between 3650 feet and 3850 feet. The well will then be pressured up with water over this interval. If this interval of the well does not take a significant amount of water, it will not be cemented. If it does take a significant amount of water, cement will be placed through the perforations over that interval.

A Cement plug will also be placed in the well from the surface to a depth of 50 feet. The casing will be cut off 6 feet below the ground surface and a metal plate will be placed on the top of the well. The surface will be reclaimed by recontouring the ground surface to a level condition.

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

(Use reverse side if needed)

SIGNED [Signature] TITLE Environmental Coordinator DATE 8/9/88

(This space for Federal use)

APPROVED BY [Signature] TITLE District Mgr DATE [Signature]

This permit is required by law (10 U.S.C. 1023); regulations: 10 CFR 270.34, 10 CFR 270.35, 10 CFR 270.45, 10 CFR 270.71-1, 10 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.