

GEOHERMAL SURVEY NOTICE

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.

1a. WELL TYPE: PRODUCTION () INJECTION () HEAT EXCHANGE () OBSERVATION () OTHER **Thermal Gradient Hole**

1b. WELL STATUS: **Drilled to 517 feet; preparing to core below 517'**

2. NAME OF LESSEE/OPERATOR
Thermal Power Company

3. ADDRESS OF LESSEE/OPERATOR
3333 Mendocino Ave., Suite 120, Santa Rosa, California 95401

13. LOCATION OF WELL OR FACILITY
Approximately 2200' N and 1500' W of SE corner of Section 28

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 ()
ALTER EXISTING PRODUCTION FACILITIES ()	REPAIR WELL ()	OTHER <input checked="" type="checkbox"/>

4. LEASE SERIAL NO.
OR 12344

5. SURFACE MANAGER: BLM () FS ()
Other ()

6. UNIT AGREEMENT NAME
N/A

7. WELL NO. **CTGH-1** 8. PERMIT NO.

9. FIELD OR AREA
Squirrel Creek

10. SEC. T., R., B. & M.
Sec. 28, T8S, R8E, WM

11. COUNTY
Marion

12. STATE
Oregon

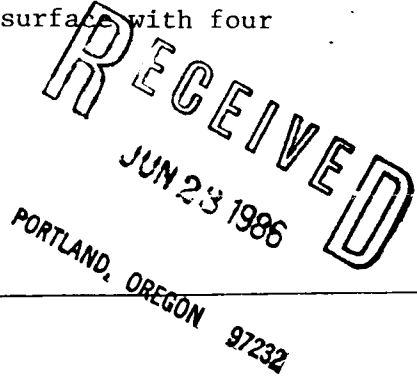
15. DESCRIBE PROPOSED OPERATIONS (Use this space for well activities only. See instructions for current well conditions on reverse)

Variance Report: 7" surface casing shoe depth above BLM approved 500-foot depth.

Surface casing string of 7" size, K-55, 26 pound, buttress coupled, stuck in the borehole at 488-foot depth while running to intended setting depth below 500-feet. Could not pull casing string up to free it or circulate it to bottom at 517 feet.

Cemented 7" casing at 488-foot depth with slurry of 122 cu. ft. Class G cement, mixed 1:1 with perlite, plus 40% silica flour and 2% gel at 13.5 ppg density followed by 32 cu. ft. of Class G cement plus 40% silica flour at 15.5 ppg slurry density. Good cement returns to surface. CIP 0130 hrs., 14 June 1986. Used Halliburton services.

Subsequently, cement top fell in 7" - 10-3/4" annulus. Refilled to surface with four barrels of Class G cement and perlite mixed 1:1.



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

N/A

17. I hereby certify that the foregoing is true and correct
SIGNED W. L. D'Olier TITLE Vice Pres. - Geothermal Exploration DATE 19 June 1986

(This space for Federal use)
APPROVED BY [Signature] DEPUTY STATE DIRECTOR FOR MINERAL RESOURCES DATE JUL 08 1986
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.