

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
GEOTHERMAL DRILLING PERMIT**

FORM APPROVED
OMB NO. 1004-0132
Expires: September 30, 1990

The Bureau of Land Management (BLM) requires this form or other BLM approved forms to be prepared and filed in triplicate with requisite attachments with the authorized officer. The authorized officer must approve this permit prior to any lease operation.

7. Lease Serial No. **OR 45305**

8. Surface Manager: BLM XXFS
 Other

9. Unm Agreement Name
Deschutes

10. Well No. **88-21(28-21)** 11. Permit No. **GDP-050-**
95-01

12. Field or Area
Newberry KGRA

13. Sec., T., R., B. & M.
Sec. 21, T21S, R12E, MDB&M

14. County
Deschutes

15. State
Oregon

16. Approx. Starting Date

17. Acres Assigned (Well Spacing)

1a. Type of Work: Drill New Well Redrill Deepen Plug Back Directionally Drill Other

1b. Well Type: Production Injection Heat Exchange Observation Water Supply Other
Temp Corehole/Slimhole

1c. Well Status:
Not yet drilled

2. Name of Lessee/Operator
GE Exploration

3. Address of Lessee/Operator
34 NW First Ave., Ste. 302, Portland OR 97209

4. Location of Well
At surface approx. 100' W & 500' N of SE Corner Sec. 21
At proposed prod. zone
approx. 2500' east of surface location

5. Distance from Proposed Location to Nearest Property or Lease Line
approx. 100' west of NSO lease boundary

6. Distance from Proposed Location to Nearest Well, or Previously Applied for Well Location on this Lease.
not applicable

18. Drilling Media and Characteristics: Air Mud Foam Other

19. Proposed Depth
Measured: **4500'±**
True Vertical:

20. Elevations: Estimated Final
Reference Datum: GR MAT DF KS RT
 Casinghead Flange Other
6260' KB

21. Existing and/or Proposed Casing and Cementing Program (List existing program first, followed by proposed program, and separate by a sufficient space to clearly distinguish the two programs)

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	COUPLING (Collars & Threads)	GRADE	SETTING DEPTH		QUANTITY OF CEMENT	
					Top	Bottom		
8-3/4"	7"	26#	Buttress	K-55	KB	500'±	26.8 bbls.	
6-1/8"	4-1/2"	9.5#		K-55	KB	1200'±	40.32 bbls.	
4-1/2"	Drill 4-1/2" hole to 4500'± with option of continuing hole to 8000'± as a slimhole							

22. Proposed Work Summary

See attached proposed drilling summary.

23. *Darl Wm Cde* Title *Project Manager* Date *10/14/94*
Signed _____ Title _____ Date _____

(This space for Federal use)

Approved by *Jane Hancock* Title *District Manager* Date *12/6/94*
Approved by _____ Title _____ Date _____

Conditions of Approval, If Any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(See instructions on reverse side)