

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
GEOHERMAL 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 45505 (OR 47305)
8. Surface Manager: BLM FS
 Other

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

1c. Well Status: Not yet drilled

2. Name of Lessee/Operator: CE Exploration

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

4. Location of Well:
At surface approx. 1200; W & 2600' S of NE Cor Sec. 15
At proposed prod. zone approx. 2500' east of surface location

5. Distance from Proposed Location to Nearest Property or Lease Line: approx. 800' west of NSO lease

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

9. Unit Agreement Name: Deschutes

10. Well No.: 76-15 (36-14)

11. Permit No.: GDP-050-95-02

12. Field or Area: Newberry KGRA

13. Sec., T., R., B. & M.: Sec 15, T21S, R12E, MDB&M,

14. County: Deschutes

15. State: Oregon

16. Approx. Starting Date: _____

17. Acres Assigned (Well Spacing): _____

18. Drilling Media and Characteristics: Air Water Mud Foam Other

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

20. Elevations: Estimated Final
6780' KB
Reference Datum: GR MAT DF KS RT
 Casinghead Flange Other

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.
6-1/4"	4-1/2"	9.5# nom		K-55	KB	1200'±	40.32 bbls.
4-1/2"	Drill 4-1/2" a slimhole						hole to 4500'± with option of continuing hole to 8000'± as

22. Proposed Work Summary
See attached proposed drilling summary.

23. David W. McLean Signed _____ Title Project Manager Date 10/14/94

(This space for Federal use)
Approved by [Signature] Title District Manager Date 12/6/94
Conditions of Approval, if Any: _____