

# PRC. RIETARY

Form 3260-2  
(formerly 9-1957)  
(June 1988)

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 40497**

8. Surface Manager:  BLM  FS  
 Other **Deschutes NF**

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

9. Unit Agreement Name **NA**

1b. Well Type:  Production  Injection  Heat Exchange  Observation  Water Supply  Other

10. Well No. **VP-83-29** 11. Permit No.

1c. Well Status: **Not yet drilled**

12. Field or Area **Newberry**

2. Name of Lessee/Operator **Vulcan Power Company**

13. Sec., T., R., B. & M.  
**Sec. 29, T21S, R12E  
Willamette Meridian**

3. Address of Lessee/Operator **316 NW Greenwood, Bend OR 97701**

4. Location of Well  
At surface  
At proposed prod. zone **Same**

14. County **Deschutes**

15. State **Oregon**

5. Distance from Proposed Location to Nearest Property or Lease Line

16. Approx. Starting Date  
**August 15, 1992**

6. Distance from Proposed Location to Nearest Well, or Previously Applied for Well Location on this Lease.

17. Acres Assigned (Well Spacing)  
**NA**

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

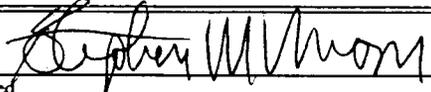
19. Proposed Depth  
Measured: **10,000'**  
True Vertical: **10,000'**

20. Elevations:  Estimated  Final **5935'**  
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	
17-1/2"	13-7/8"	61#	Buttress	K-55	0	600	850 cf (100% Excess
12-1/4"	9-5/8"	43.5	Buttress	K-55	0	3000	1800 cf (100% Exces
8-1/2"	7"	23	Buttress	N-80	2900	7000	1050 cf (100% Exces
6-1/4"	Openhole						

22. Proposed Work Summary  
**See attached**

23.  **Stephen M. Moran** President  
Signed \_\_\_\_\_ Title \_\_\_\_\_ Date **7/15/92**

(This space for Federal use)

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)