

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.


1a. Type of Work: <input checked="" type="checkbox"/> Drill New Well <input type="checkbox"/> Redrill <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Directionally Drill <input type="checkbox"/> Other		7. Lease Serial No. OR36951	
1b. Well Type: <input type="checkbox"/> Production <input type="checkbox"/> Injection <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Observation <input type="checkbox"/> Water Supply <input checked="" type="checkbox"/> Other Exploratory		8. Surface Manager: <input checked="" type="checkbox"/> BLM <input type="checkbox"/> FS <input type="checkbox"/> Other	
1c. Well Status: New well		9. Unit Agreement Name	
2. Name of Lessee/Operator Trans-Pacific Geothermal Corporation		10. Well No. TGC 61-10	
3. Address of Lessee/Operator 1901 Harrison, Ste 1590, Oakland CA 94612		11. Permit No.	
4. Location of Well At surface 3709'E, 224'S of NW corner of Sec 10, T19S, R45E At proposed prod. zone Same		12. Field or Area Vale	
5. Distance from Proposed Location to Nearest Property or Lease Line 6777'		13. Sec., T., R., B. & M. Sec 10, T19S, R45E, Willamette B&M	
6. Distance from Proposed Location to Nearest Well, or Previously Applied for Well Location on this Lease. 4114'		14. County Malheur	
		15. State Oregon	
		16. Approx. Starting Date 4/1/95	
		17. Acres Assigned (Well Spacing) 40	

18. Drilling Media and Characteristics: <input type="checkbox"/> Air <input checked="" type="checkbox"/> Mud <input type="checkbox"/> Foam <input type="checkbox"/> Other	19. Proposed Depth Measured: 5000' ± True Vertical: 5000' ±	20. Elevations: <input checked="" type="checkbox"/> Estimated <input type="checkbox"/> Final 2570' Reference Datum: <input checked="" type="checkbox"/> GR <input type="checkbox"/> MAT <input type="checkbox"/> DF <input type="checkbox"/> KS <input type="checkbox"/> RT <input type="checkbox"/> Casinghead Flange <input type="checkbox"/> Other
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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 Top Bottom	QUANTITY OF CEMENT
12 1/4"	10"	0.375" wall	welded	n/a	0 ±30	8 cubic ft.
8 3/4"	7"	23 lb/ft	BT&C	K-55	0 ±500	113 cubic' (50% excess)
6 1/4"	4 1/2"	10.5 lb/ft	ST&C	K-55	0 ±3000	467 cubic' (50% excess)
HMQ 3.85"	3 1/2"	7.7 lb/ft	Buttress	K-55	±2900 ±5000	not cemented

22. Proposed Work Summary
The Proposed well to be drilled at the Vale Geothermal Prospect is an exploratory well designed for the purpose of exploring for and testing a possible hot water reservoir at a depth of 3000'-5000' below surface. The well will be drilled using slimhole rotary and coring methods. Temperatures of 300°F are expected below a depth of 3000'. Upon completion, the well will be injection and/or flow tested. A detailed drilling program is provided in Attachment A.

23.  President
Signed _____ Title _____ Date 2/14/95

(This space for Federal use)
Approved by _____ Title _____ Date _____
Conditions of Approval, If Any: