

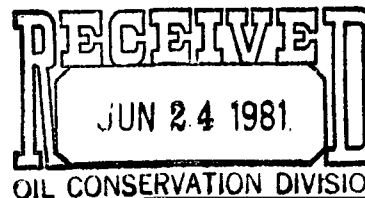
GTLT - ____2____

**State-TG 21
UL: G 32-21S-9W
Luna County**

Drilled ~ 8/1981

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NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2088, Santa Fe 87501



Form G-101
Adopted 10/1/74

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

SANTA FE Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5.a State Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name State-TG	
9. Well No. 21	
10. Field and Pool, or Wildcat Wildcat	
12. County Luna	
19. Proposed Depth 300 ft.	19A. Formation Tertiary, Anglomerate & limestone Conglomerate
20. Rotary or C.T. Rotary	22. Approx. Date Work will start 20 July, 1981

a. Type of Work	Drill <input checked="" type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>
b. Type of Well	Geothermal Producer <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/>	Low-Temp Thermal <input type="checkbox"/>
Name of Operator New Mexico State University			
Address of Operator Box 3EI Las Cruces, New Mexico 88003			
Location of Well UNIT LETTER G LOCATED 1750 FEET FROM THE North LINE			
ND 2250 FEET FROM THE East LINE OF SEC. 32 TWP. 21S RGE. 9W NMPM			

1. Elevations (Show whether DF, RT, etc.) GL 4940 feet	21A. Kind & Status Plug Bond Fireman's Fund *	21B. Drilling Contractor To be determined
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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4-inch	1-1/2 inch		300 feet	1	Surface
	PVC				

- Drilling fluid will be either mud or foam
- Drilling rig will be equipped with a down hole hammer
- PVC will be filled with fresh water and capped
- Temperature measurements will be made every week for 3 weeks and bi-annually thereafter if warranted
- Well will be abandoned and plugged after final use
- Well location will be restored

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 10-8-81
UNLESS DRILLING UNDERWAY

* Grindell and Rollings, Bond No. 6359020, Las Cruces, New Mexico
Well plugging bond, geothermal observation; approved, effective June 18, 1981

** Casing to be removed to at least three feet (3') below surface, to be cemented inside and outside, and covered with at least one foot (1') of cement plug in the hole.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. Give blowout preventer program, if any.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

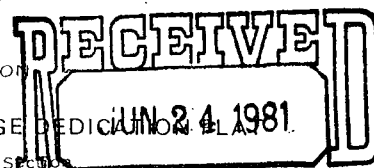
By Richard L. Lohse Title Geothermal Field Engineer Date 6-12-81

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 7/10/81
CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the State



Operator New Mexico State University			Lease State - TG		
Unit Letter G	Section 32	Township 21S	Range 9W	County Luna	

OIL CONSERVATION DIVISION
SANTA FE 21

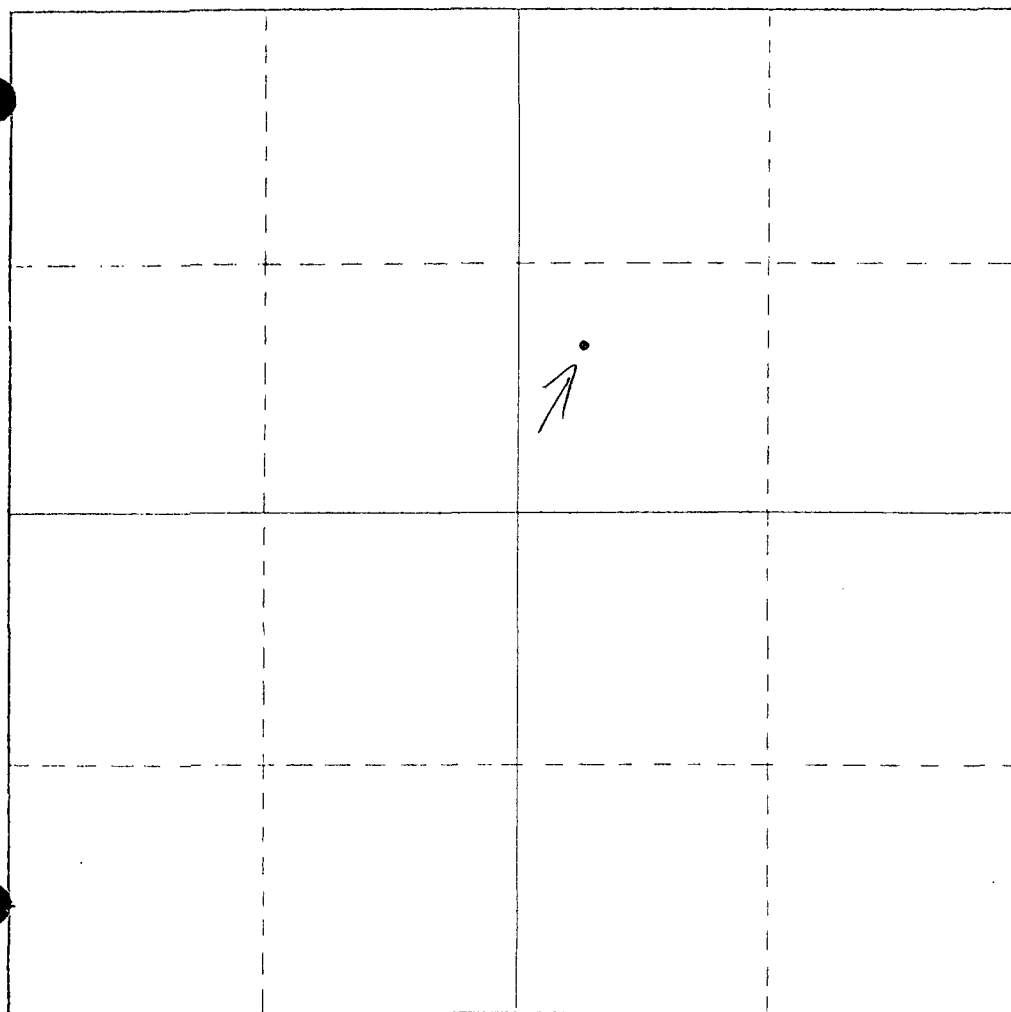
Actual Footage Location of Well: 1750 feet from the North line and 2250 feet from the East line					
Ground Level Elev. 4940 feet	Producing Formation		Pool Wildcat	Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Richard L. Lohse
Position
Geothermal Field Engineer
Company **New Mexico Energy Inst.**
New Mexico State University

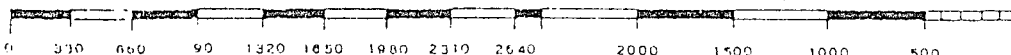
Date
6-12-81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____



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SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5.a State Lease No.
7. Unit Agreement Name
8. Farm or Lease Name State - TG
9. Well No. 21
10. Field and Pool, or Wildcat Wildcat
12. County Luna

Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a Different Reservoir. Use "Application For Permit -" (Form G-101) for Such Proposals.)

1. Type of well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/>	Temp. Observation <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/>
2. Name of Operator New Mexico State University	
3. Address of Operator Box 3EI Las Cruces, New Mexico 88003	
4. Location of Well Unit Letter <u>G</u> <u>1750</u> Feet From The <u>North</u> Line and <u>2250</u> Feet From The <u>East</u> Line, Section <u>32</u> Township <u>21S</u> Range <u>9W</u> NMPM.	

15. Elevation (Show whether DF, RT, GR, etc.)
GL 4940

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

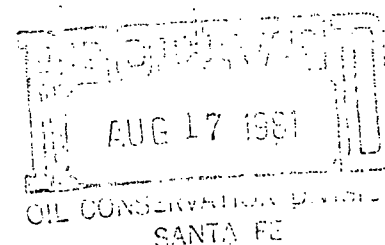
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG & ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

This well will not be drilled.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Richard L. Lohse TITLE Geothermal Field Engineer DATE 8-10-81APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 8/21/81

CONDITIONS OF APPROVAL, IF ANY:

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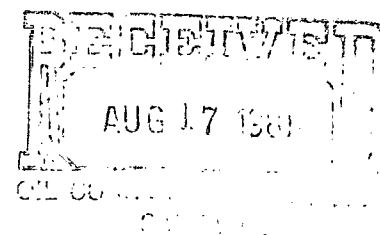
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