

**GTLT - \_\_\_\_\_2\_\_\_\_\_**

**State TG No. 58**

**UL: G 21-22S-2E**

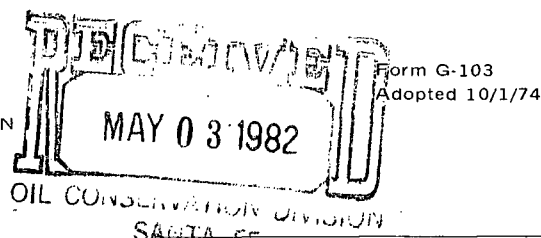
**Dona Ana County**

**Plugged & Abandoned**

**YEAR: 4/27/1982**

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File		<input checked="" type="checkbox"/>
N. M. B. M.		
U. S. G. S.		
Operator		
Land Office		

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



**SUNDRY NOTICES AND REPORTS  
ON  
GEOTHERMAL RESOURCES WELLS**

5. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5.a State Lease No. N/A
7. Unit Agreement Name N/A
8. Farm or Lease Name State - TG
9. Well No. 58
10. Field and Pool, or Wildcat Wildcat
12. County Dona Ana

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"/> Temp. Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input 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 G; 1650 Feet From The North Line and 2250 Feet From The East Line, Section 21 Township 22S Range 2E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) GL 4315 feet	

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 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 checked="" 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.

Temperature observation hole was plugged as follows:

1. A packer was placed inside the 1½ inch PVC casing at a depth of 10 feet below the surface.
2. The PVC was filled with cement to approximately 2 feet below the surface.
3. The PVC was cut off 2 feet below the surface.
4. A cap of cement approximately 6 inch thick was placed over the top of the PVC.
5. The hole was backfilled with dirt and the surface reclaimed.

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

SIGNED Richard L. Lokse TITLE Geothermal Field Engineer DATE April 27, 1982

APPROVED BY Carl Ulvåg TITLE District Supervisor DATE June 4, 1982

CONDITIONS OF APPROVAL, IF ANY:

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## NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

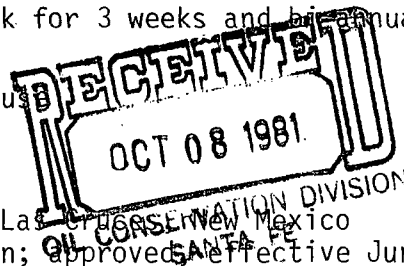
5. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5.a State Lease No.

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name
b. Type of Well	Geothermal Producer <input type="checkbox"/> Temp Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	8. Farm or Lease Name State-TG
2. Name of Operator	New Mexico State University	9. Well No. 58
3. Address of Operator	Box 3EI, Las Cruces, New Mexico 88003	10. Field and Pool, or Wildcat Wildcat
4. Location of Well	UNIT LETTER <u>G</u> LOCATED <u>1650</u> FEET FROM THE <u>North</u> LINE <u>2250</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>21</u> TWP. <u>22S</u> RGE. <u>2E</u> NMMP	12. County Dona Ana
19. Proposed Depth 300 ft		19A. Formation Quaternary Alluvium
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) GL 4315 feet	21A. Kind & Status Plug Bond Fireman's Fund *	22. Approx. Date Work will start 1 September, 1981

## 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 PVC		300 feet	1	Surface

- 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 1-7-82  
UNLESS DRILLING UNDERWAY\* Grindell and Rollings, Bond No. 6359019, Las Cruces, New Mexico  
Well plugging bond, geothermal observation; approved effective June 18, 1981OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

IN 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.

Signed Richard L. Lohse Title Geothermal Field Engineer Date 10/6/81

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 10-9-81

CONDITIONS OF APPROVAL, IF ANY:

# GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

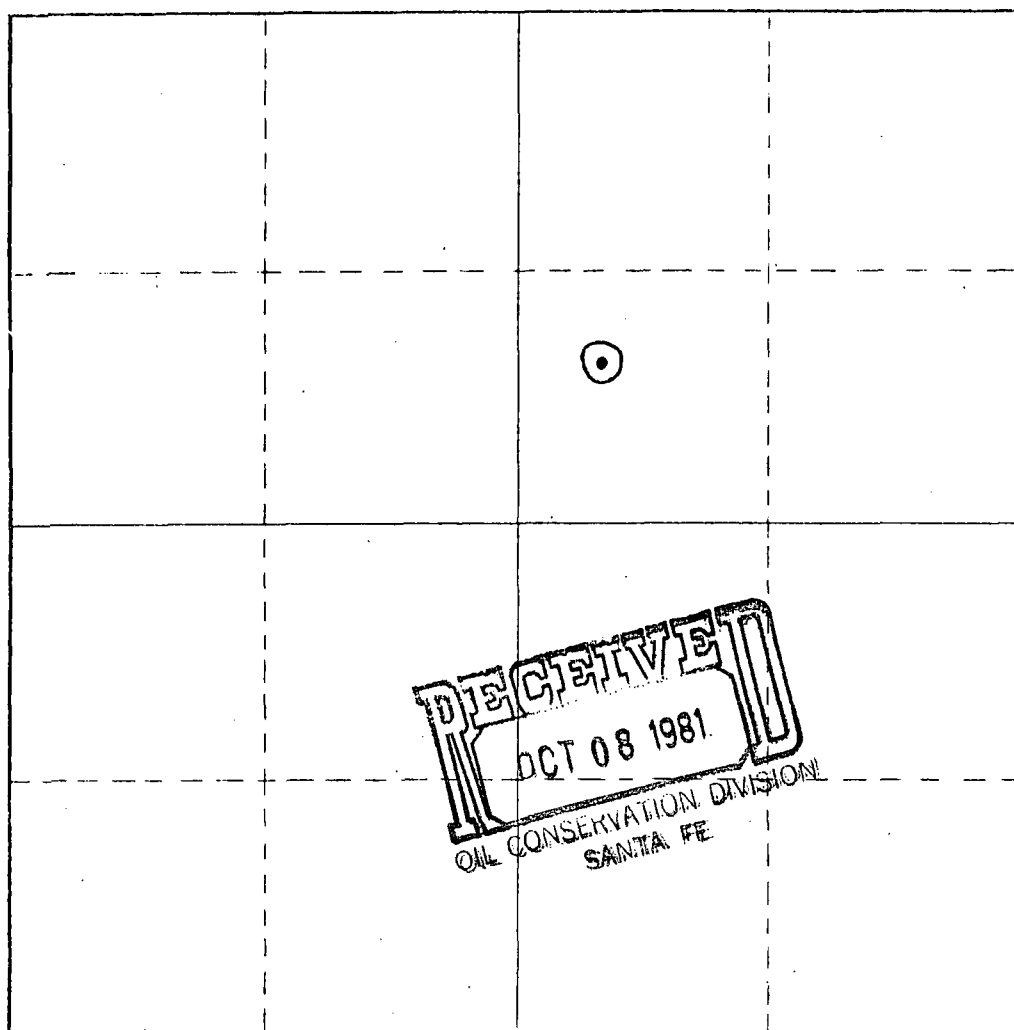
Operator <b>New Mexico State University</b>		Lease <b>State-TG</b>		Well No. <b>58</b>
Unit Letter <b>G</b>	Section <b>21</b>	Township <b>22S</b>	Range <b>2E</b>	County <b>Dona Ana</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>North</b> line and <b>2250</b> feet from the <b>East</b> line				
Ground Level Elev. <b>4315 feet</b>	Producing Formation		Pool <b>Wildcat</b>	Dedicated Acreage:  Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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.*

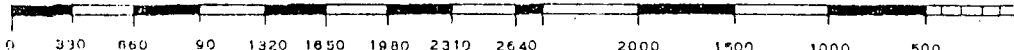
Name Richard L. Lohse  
Position Geothermal Field Engineer  
Company New Mexico Energy Inst. New Mexico State University  
Date 10/6/81

*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.*

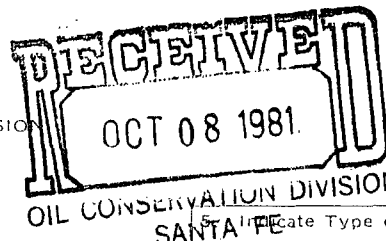
Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_



OK - P&A, Inspected



Form G-101  
Adopted 10/1/74

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G.S.	
Operator	
and Office	

NEW MEXICO OIL CONSERVATION COMMISSION  
4-20-82 P.O. Box 2088, Santa Fe 87501

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

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 <u>G</u> LOCATED <u>1650</u> FEET FROM THE <u>North</u> LINE <u>2250</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>21</u> TWP. <u>22S</u> RGE. <u>2E</u> NMMPM			

State <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
5.a State Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name State-TG	
9. Well No. 58	
10. Field and Pool, or Wildcat Wildcat	
12. County Dona Ana	
19. Proposed Depth 300 ft	19A. Formation Quaternary Alluvium
20. Rotary or C.T. Rotary	
1. Elevations (Show whether DF, RT, etc.) L 4315 feet	21A. Kind & Status Plug, Bond Fireman's Fund *
21B. Drilling Contractor To be determined	
22. Approx. Date Work will start 1 September, 1981	

PROPOSED CASING AND CEMENT PROGRAM

Plat Attached

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

- 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 1-7-82  
UNLESS DRILLING UNDERWAY

Spud 10/23

\* Grindell and Rollings, Bond No. 6359019, Las Cruces, New Mexico  
Well plugging bond, geothermal observation; approved, effective June 18, 1981

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONS

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.

Richard L. Lohse Title Geothermal Field Engineer Date 10/6/81

(This space for State Use)

APPROVED BY Carl Wloag TITLE SENIOR PETROLEUM GEOLOGIST DATE 10-9-81

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO ENERGY INSTITUTE

Box 3E1/Las Cruces, New Mexico 88003  
Telephone (505) 646-1745



October 6, 1981

G-21-225-2E

Mr. Carl Ulvog  
Senior Geologist  
Oil Conservation Division  
Energy and Minerals Department  
P.O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Dear Mr. Ulvog:

Please find enclosed the originals and four copies of Forms G-101 and G-102 for one geothermal temperature gradient hole in the Las Cruces East Mesa area, Dona Ana County. Three copies of the plugging bond for this shallow (300 ft) hole are also enclosed. For your convenience there is a location map attached.

Sincerely,

A handwritten signature in cursive script that reads 'Richard L. Lohse'.

Richard Lohse  
Geothermal Field Engineer

rgy

Enclosures

