

GTLT - 2

NMSU-TG-1 No. 460

UL: A 27-23S-2E

Dona Ana County

Plugged & Abandoned

YEAR: 10/31/1980

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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 FEE

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 NMSU
2. Name of Operator New Mexico State University, Physical Plant Dept.		9. Well No. TG-1
3. Address of Operator Box 3445, New Mexico State University, Las Cruces, New Mexico 88003		10. Field and Pool, or Wildcat NMSU Property
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>500</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>27</u> TWP. <u>23S</u> RGE. <u>2E</u> NMPM		12. County Dona Ana
19. Proposed Depth 100 ft		19A. Formation Aluminum
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 4200 above MSL	21A. Kind & Status Plug, Bond Grindell & Rollings	21B. Drilling Contractor Cole Drilling Co., 600
22. Approx. Date Work will start Nov 10, 1980		

Bond No. 6358013 Delhi Dr., El Paso, Tx.
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4"	1"				

This is a proposed temperature gradient hole. It is not expected to encounter any groundwater.

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 2-4-81
UNLESS DRILLING UNDERWAY

OIL 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 M F Whalen Martin F. Whalen Title Dir., Physical Plant Dept, NMSU Date 31 October 1980

(This space for State Use)

APPROVED BY Carl Ulsog TITLE SENIOR PETROLEUM GEOLOGIST DATE 11-6-80
CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

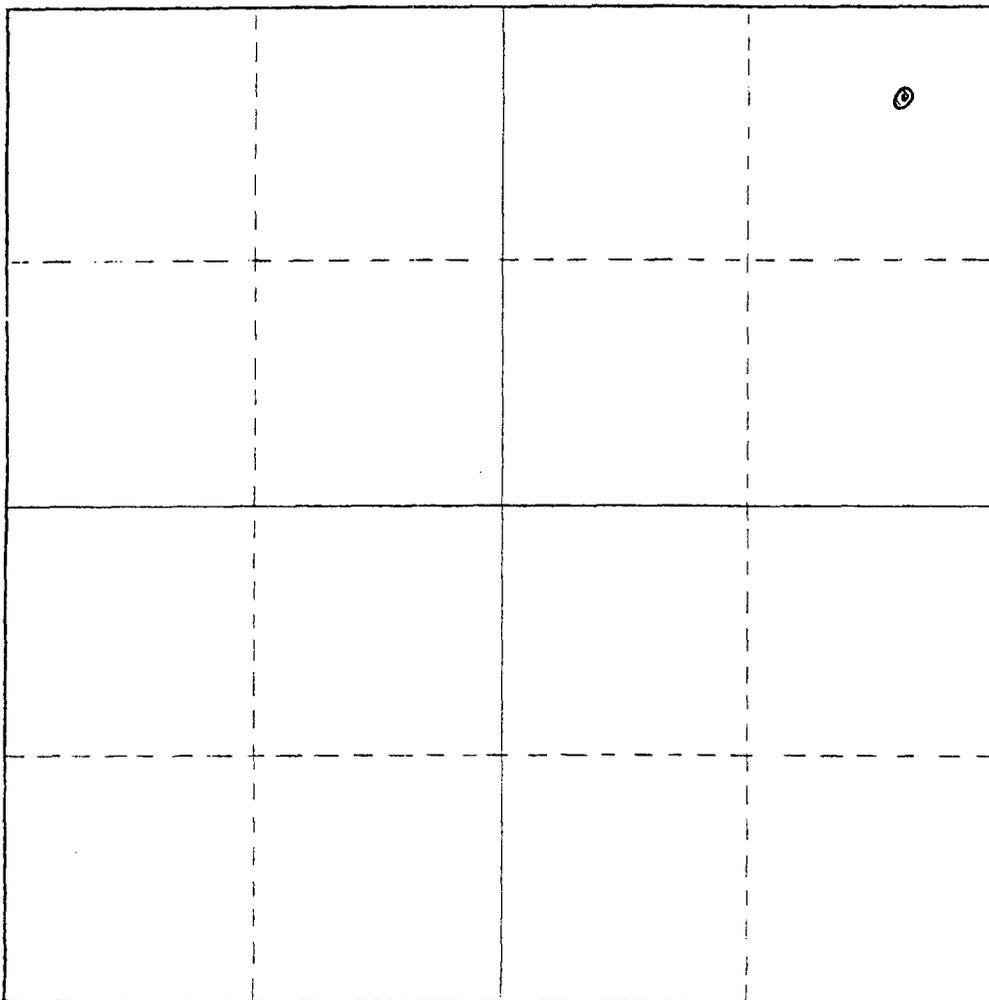
Operator New Mexico State University, PPD			Lease NMSU		Well No. TG-1
Unit Letter A	Section 27	Township 23S	Range 2E	County Dona Ana	
Actual Footage Location of Well: 500 feet from the North line and 500 feet from the East line					
Ground Level Elev. 4200 feet	Producing Formation NA		Pool Las Alturas		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 NA

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.

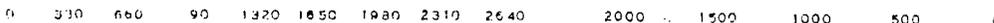
M.A. Whalen

Martin F. Whalen

Name	Dir., Physical Plant Dept.
Position	NMSU
Company	31 October 1980
Date	

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.	





Physical Science Laboratory

BOX 3-PSL, LAS CRUCES, NEW MEXICO 88003
AREA (505) 522-9100 TWX 910-983-0541

3 November 1980

Mr. Dan Nutter
Chief Engineer
Oil Conservation Division
State Land Office Bldg.
P.O. Box 2088
Santa Fe, NM 87501

Dear Mr. Nutter:

As discussed with Mr. Carl Ulvog, on 3 November 1980, forwarded herewith is an original and four copies of form G-101 and G102 for four new geothermal wells on NMSU property.

It is our intent to commence drilling on the two 100-foot deep gradient wells on 10 November 1980, and on the observation well (OW-1) shortly thereafter. Accordingly, we would appreciate your favorable review and approval of these permits prior to that date.

You will note the forms G-101 specify a plugging bond number. A copy of this bond will be forwarded by separate letter today.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Roy A. Cunniff'.

Roy A. Cunniff

enclosures as shown

RECEIVED
JUL 28 1981
OIL CONSERVATION DIVISION

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

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Land Office		

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

3. Indicate Type of Lease
State Fee
5.a State Lease No.

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 Temp. Observation
Low-Temp Thermal Injection/Disposal

2. Name of Operator
New Mexico State University, Physical Plant Dept.

3. Address of Operator Box 3445, New Mexico State University
Las Cruces, New Mexico 88003

4. Location of Well
Unit Letter A 500 Feet From The North Line and 500 Feet From
The East Line, Section 27 Township 23S Range 2E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
4200' above MSL

7. Unit Agreement Name

8. Farm or Lease Name
NMSU-TG-1-LRG

9. Well No.
460

10. Field and Pool, or Wildcat
NMSU Property

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON
TEMPORARILY ABANDON
PULL OR ALTER CASING CHANGE PLANS
OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK ALTERING CASING
COMMENCE DRILLING OPNS. PLUG & ABANDONMENT
CASING TEST AND CEMENT JOB
OTHER

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.

Casing was removed, and the hole was filled with gravel and surface condition restored.

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

SIGNED Roy A. Cunniff *Roy A. Cunniff* TITLE Director, NMSU Geothermal Proj DATE 20 Nov 1980

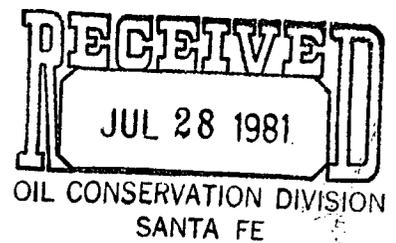
APPROVED BY Carl Woog *Carl Woog* TITLE SENIOR PETROLEUM GEOLOGIST DATE 7/28/81

CONDITIONS OF APPROVAL, IF ANY:



Physical Science Laboratory

BOX 3-PSL, LAS CRUCES, NEW MEXICO 88003
AREA (505) 522-9100 TWX 910-983-0541



July 23, 1981

Mr. Carl Ulvog
Senior Petroleum Geologist
New Mexico Oil Conservation Commission
P.O. Box 2086
Santa Fe, New Mexico 87503

Dear Mr. Ulvog:

Enclosed please find Forms G-103 for the observation well and the two temperature gradient wells we drilled on NMSU land.

You will note that the wells have now been identified as follows: Farm or Lease Name NMSU-OW-1-LRG, Number 523 (formerly NMSU-OW-1), Farm or Lease Name NMSU-TG-1-LRG, Number 460 (formerly NMSU-TG-1), Farm or Lease Name NMSU-TG-2-LRG, Number 461 (formerly NMSU-TG-2).

This letter with attached forms is a follow-on to my original reports on those wells, which presumably have been lost.

Also, please note the attached copy of my letter forwarding G-103 for the new production well. I have no record of an approved copy of that request.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'Roy A. Cunniff'.

Roy A. Cunniff
Project Director
NMSU
Geothermal Project

RAC/smm

4 Encl.

G-103 TG-1 ✓
G-103 TG-2
G-103 OW-1
cy of 12 February 81 letter