

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 ☒ Deepen ☐ Plug Back ☐b. Type of Well Geothermal Producer ☐
Low-Temp Thermal ☐Temp Observation ☒
Injection/Disposal ☐

7. Unit Agreement Name

8. Farm or Lease Name
NMSU2. Name of Operator
New Mexico State University, Physical Plant Dept.9. Well No.
TG-13. Address of Operator Box 3445, New Mexico State University,
Las Cruces, New Mexico 8800310. Field and Pool, or Wildcat
NMSU Property4. Location of Well UNIT LETTER A LOCATED 500 FEET FROM THE North LINE
AND 500 FEET FROM THE East LINE OF SEC. 27 TWP. 23S RGE. 2E NMPM12. County
Dona Ana19. Proposed Depth
100 ft19A. Formation
Aluminum20. Rotary or C.T.
Rotary21. Elevations (Show whether DF, RT, etc.)
4200 above MSL21A. Kind & Status Plug, Bond
Grindell & Rollings21B. Drilling Contractor
Cole Drilling Co., 60022. Approx. Date Work will start
Nov 10, 1980Bond 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 UNDERWAYOIL 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 Ulvog TITLE SENIOR PETROLEUM GEOLOGISTDATE 11-6-80

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

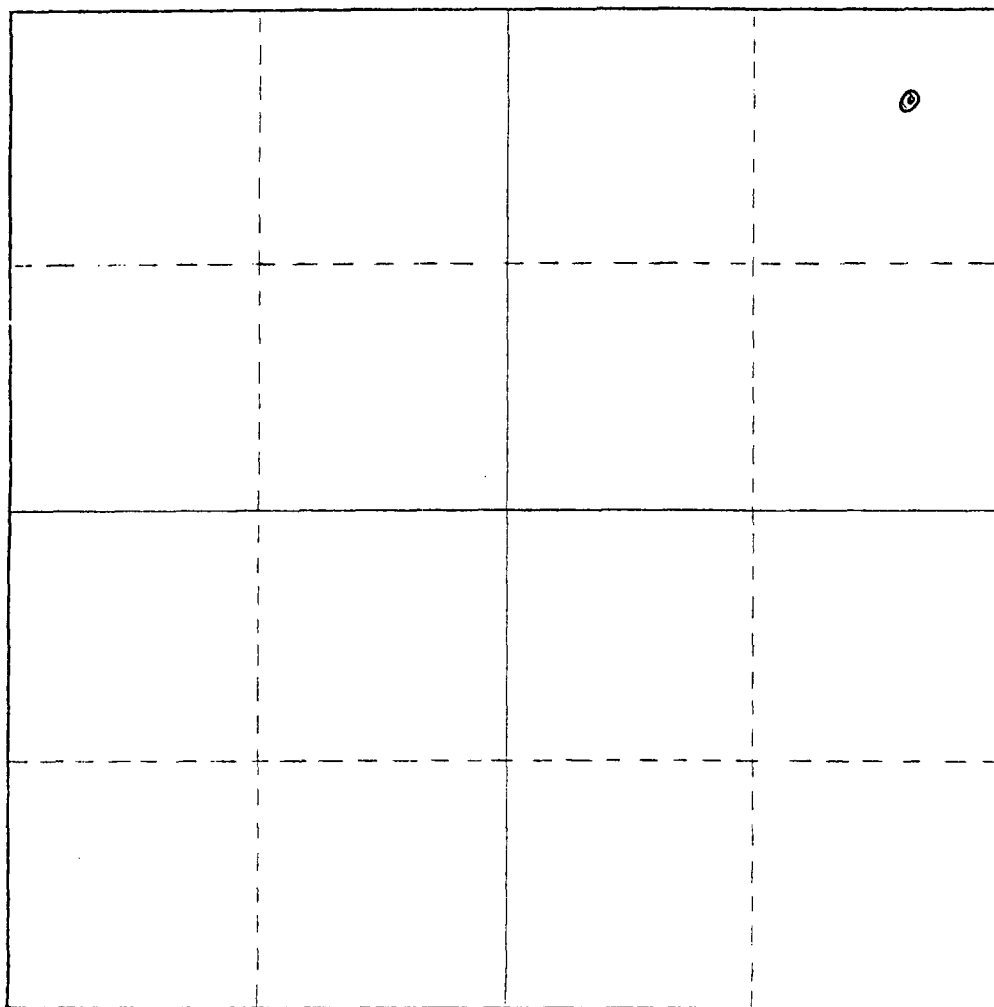
| | | | | | |
|--|----------------------------------|------------------------|----------------------------|---------------------------|---------------------------------|
| Operator New Mexico State University, PPD | | | Lease NMSU | | Well No. TG-1 |
| Unit Letter A | Section 27 | Township 23S | Range 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 hatchure 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. F. 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.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



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-feet 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,

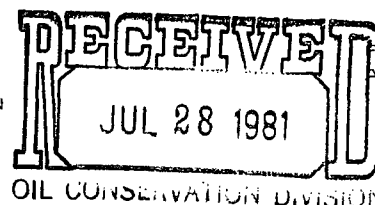


Roy A. Cunniff

enclosures as shown

| | | |
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| U. S. G. S. | | |
| Operator | 1 | |
| Land Office | | |

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



Form G-103
Adopted 10/1/74

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

| | |
|--------------------------------|------------------------------|
| 3. Indicate Type of Lease | |
| State <input type="checkbox"/> | Fee <input type="checkbox"/> |
| 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 <input type="checkbox"/> Temp. Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/> | | 7. Unit Agreement Name |
| 2. Name of Operator New Mexico State University, Physical Plant Dept. | | 8. Farm or Lease Name NMSU-TG-1-LRG |
| 3. Address of Operator Box 3445, New Mexico State University Las Cruces, New Mexico 88003 | | 9. Well No. '460 |
| 4. Location of Well Unit Letter <u>A</u> <u>500</u> Feet From The <u>North</u> Line and <u>500</u> Feet From The <u>East</u> Line, Section <u>27</u> Township <u>23S</u> Range <u>2E</u> NMPM. | | 10. Field and Pool, or Wildcat NMSU Property |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4200' above MSL | | 12. County Dona Ana |

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"/> | |
| PULL OR ALTER CASING <input type="checkbox"/> | CHANGE PLANS <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.

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 TITLE Director, NMSU Geothermal Proj DATE 20 Nov 1980

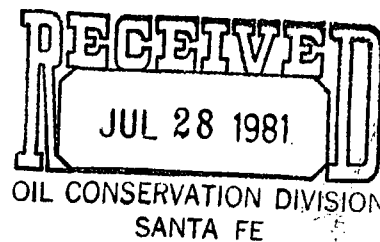
APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 7/28/81

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, reading '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