

GTLT - _____5_____

**(19-29)-27S-19W
Amax Exploration, Inc.
(Hidalgo County)**

**13-H(PA); 12-E(PA);
14-A(PA); GTR-232-18-L(PA)
& GTR-232-19-I(PA)**

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

Form G-103
10-1 74

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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"/>
6. State Lease No.
State Highway

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT - 1" (FORM G-101) FOR SUCH PROPOSALS.)

1. Type of Well	Geothermal Producer <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/>	7. Unit Agreement Name
	Low-Temp Thermal <input type="checkbox"/>	Injection/Disposal <input type="checkbox"/>	NA
2. Name of Operator	AMAX Exploration, Inc.		8. Farm or Lease Name
			NA
3. Address of Operator	4704 Harlan Street, Denver, Colorado 80212		9. Well No.
			13
4. Location of Well	UNIT LETTER <u>H</u> <u>1500</u> FEET FROM THE <u>North</u> LINE AND <u>700</u> FEET FROM		10. Field and Pool, or Wildcat
	THE <u>East</u> LINE, SECTION <u>19</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.		NA
15. Elevation (Show whether DF, RT, GR, etc.)			12. County
4400' ground level			Hidalgo

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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"/>

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPER.	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER <u>Completion and Abandonment Information</u> <input checked="" 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 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry J. Casen TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

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

Form G-103
10-1-74

SUNDRY NOTICES AND REPORTS
ON
GEOHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Per <input type="checkbox"/>
6. State Lease No. State Highway
7. Unit Agreement Name NA
8. Form of Lease Name NA
9. Well No. 13
10. Field and Pool, or Wildcat NA
12. County Hidalgo

(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.)

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"/>
Name of Operator AMAX Exploration, Inc.	
Address of Operator 4704 Harlan Street, Denver, Colorado 80212	
Location of Well UNIT LETTER <u>H</u> <u>1500</u> FEET FROM THE <u>North</u> LINE AND <u>700</u> FEET FROM THE <u>East</u> LINE, SECTION <u>19</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.	

15. Elevation (Show whether DF, RT, GP, etc.)
4400' ground level

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 OPHS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input checked="" 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) PER RULE 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

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Exhibit No. D

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SIGNED Harry J. Caser TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

CONDITIONS OF APPROVAL, IF ANY:

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

SEP 22 1976

Form G-101

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

5A: Indicate Type of Lease
STATE ☒ FEE ☐

5. State Lease No.

State Highway

1a. Type of Work	Drill <input checked="" type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>
1b. Type of Well	Geothermal Producer <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/>	Injection/Disposal <input type="checkbox"/>
2. Name of Operator	AMAX Exploration, Inc.		
3. Address of Operator	4704 Harlan Street, Denver, Colorado 80212		
4. Location of Well	UNIT LETTER <u>NA H</u> LOCATED <u>1500</u> FEET FROM THE <u>North</u> LINE AND <u>700</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>19</u> TWP. <u>27S</u> RGE. <u>19W</u> NMPM		

7. Unit Agreement Name
NA

8. Farm or Lease Name
NA

9. Well No.
13

10. Field and Pool, or Wildcat
NA

12. County
Hidalgo

19. Proposed Depth
< 500 feet

19A. Formation
Alluvium or Tertiary Volcanics

20. Rotary or C.T.
Rotary

21. Elevations (Show whether DT, RT, etc.)
4400' ground level

21A. Kind & Status Plug. Bond
single

21B. Drilling Contractor

22. Approx. Date Work will start
October 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPERATOR AGREES TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH AQUIFERS. UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO BE PLUGGED WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76
CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

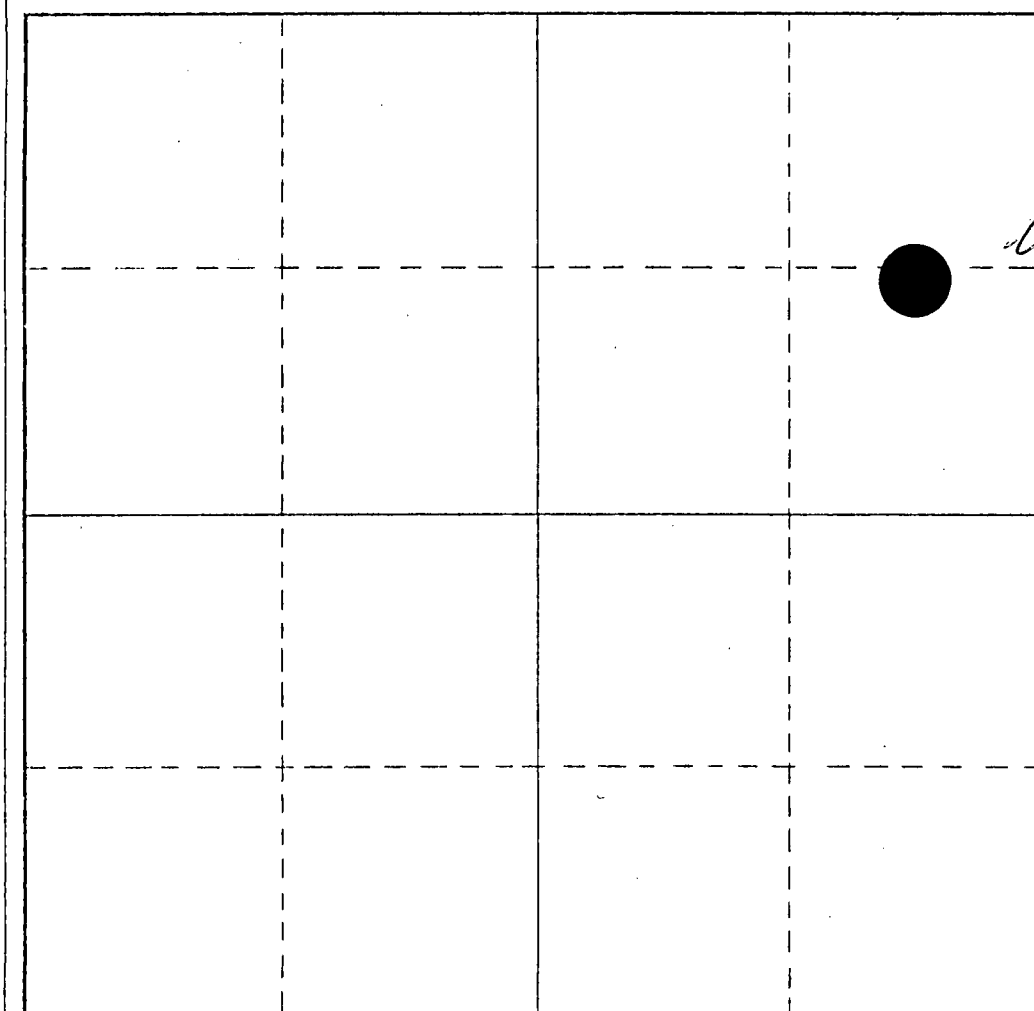
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease State Highway		Well No. 13
Unit Letter NA	Section 19	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: 1500 feet from the North line and 700 feet from the East line				
Ground Level Elev. 4400'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
 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). **NA**
 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? **NA**
- ☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

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.

NA

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

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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

SEP 22

Form G-101

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/>
5. State Lease No. State Highway
7. Unit Agreement Name NA
8. Farm or Lease Name NA
9. Well No. 13
10. Field and Pool, or Wildcat NA
12. County Hidalgo
19. Proposed Depth < 500 feet
19A. Formation Alluvium or Tertiary Volcanics
20. Rotary or C.T. Rotary
21. Elevation (Show whether DT, RT, etc.) 4400' ground level
21A. Kind & Status Plug. Bond single
21B. Drilling Contractor
22. Approx. Date Work will start October 1, 1976

1a. Type of Work Drill [X] Deepen [] Plug Back []
b. Type of Well Geothermal Producer [] Temp Observation [X] Low-Temp Thermal [] Injection/Disposal []
2. Name of Operator AMAX Exploration, Inc.
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212
4. Location of Well UNIT LETTER NA LOCATED 1500 FEET FROM THE North LINE AND 700 FEET FROM THE East LINE OF SEC. 19 TWP. 27S RGE. 19W NMPM

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

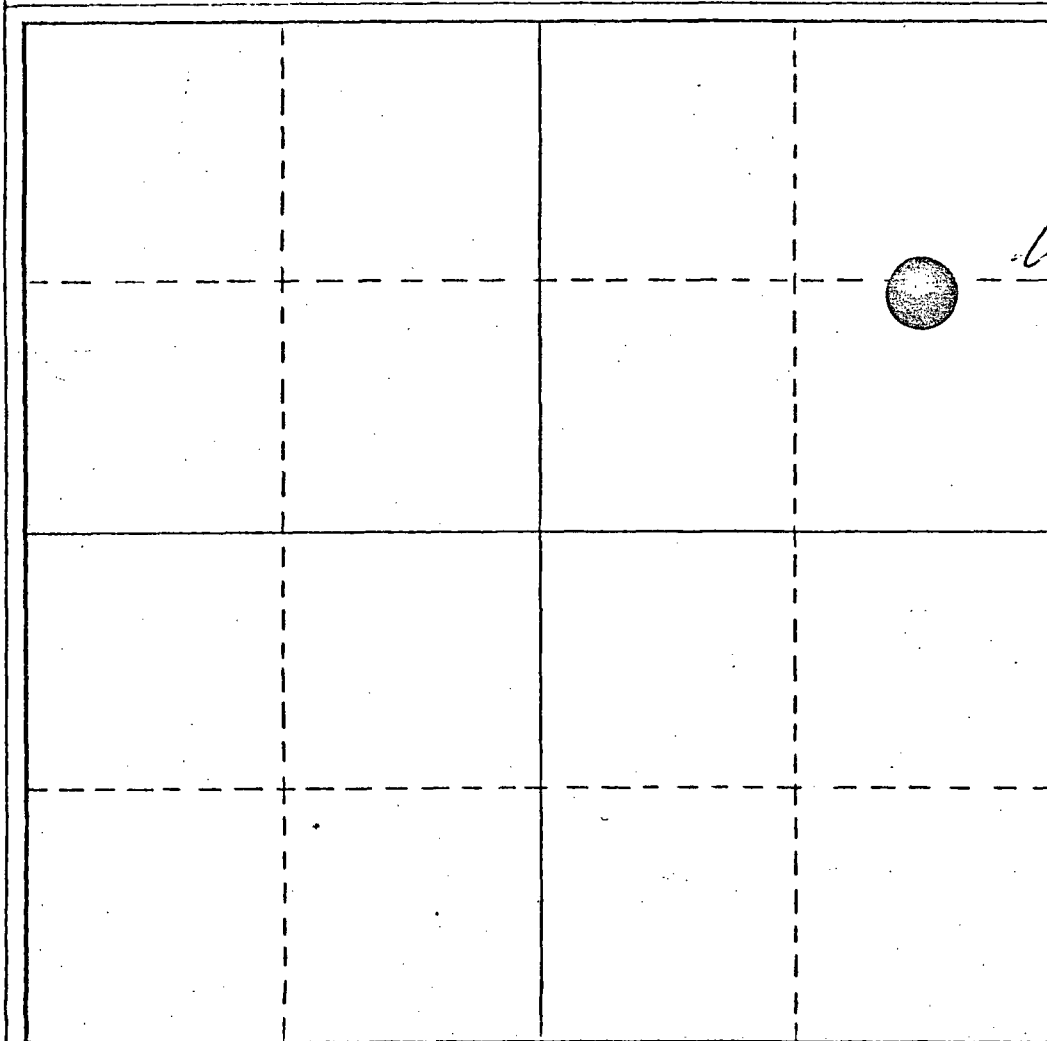
Operator AMAX Exploration, Inc.		Lease State Highway		Well No. 13
Unit Letter NA	Section 19	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: 1500 feet from the North line and 700 feet from the East line				
Ground Elevation 4400'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
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). NA
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? NA

☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

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.

NA

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

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 5, 1977

C
O
P
Y
Amax Exploration, Inc.
4704 Harlan Street
Denver, Colorado 80212

St. Hiway
well #12

Re: \$2,000 One-Well Low-Temperature
Thermal Well or Geothermal
Observation Well, AMAX
Exploration, Inc., Principal
Firemans Insurance Company
of Newark, New Jersey, Surety
Sec. 19, T-27-S, R-19-W
Bond No. BND 207 84 40

Unit E

Gentlemen:

The Oil Conservation Commission hereby approves
release of the above-captioned one-well bond.

Very truly yours,

JOE D. RAMEY,
Secretary-Director

JDR/LT/dr

cc: Firemen's Insurance Company
of Newark, New Jersey
80 Maiden Lane
New York, New York

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NEW MEXICO OIL CONSERVATION COMMISSION
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Form G-103
10-1 74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Lease No. State Highway right of way
7. Unit Agreement Name NA
8. Farm or Lease Name NA
9. Well No. 12
10. Field Pool, or Wildcat NA
11. Elevation (Show whether DF, RT, <u>GB</u> , etc.) 4400' ground level
12. County Hidalgo

1. Type of Well Geothermal Producer ☐ Temp Observation ☒
Low-Temp Thermal ☐ Injection/Disposal ☐

2. Name of Operator
AMAX Exploration, Inc.

3. Address of Operator
4704 Harlan Street, Denver, Colorado 80212

4. Location of Well
UNIT LETTER E 2200 FEET FROM THE North LINE AND 50 FEET FROM
THE West LINE, SECTION 19 TOWNSHIP 27S RANGE 19W NMPM.

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <u>Completion and Abandonment Information</u> <input checked="" type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" 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) PER RULE 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED <u>Harry J. Jensen</u>	TITLE <u>Managing Geologist, Geothermal</u>	DATE <u>January 5, 1976</u>
APPROVED BY <u>Carl Ulvog</u>	TITLE <u>SENIOR PETROLEUM GEOLOGIST</u>	DATE <u>4/26/77</u>
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NEW MEXICO OIL CONSERVATION COMMISSION
P.O. Box 2088, Santa Fe 87501

Form G-103
10-1 74

1. SUNDRY NOTICES AND REPORTS
ON
GEOHERMAL RESOURCES WELLS

5. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Lease No.	
State Highway right of way	

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE APPLICATION FOR PERMIT - "A" (FORM G-101) FOR SUCH PROPOSALS.

2. 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"/>	7. Unit Agreement Name	NA
3. Name of Operator	AMAX Exploration, Inc.		8. Farm or Lease Name	NA
3. Address of Operator	4704 Harlan Street, Denver, Colorado 80212		9. Well No.	12
4. Location of Well	UNIT LETTER <u>E</u> <u>2200</u> FEET FROM THE <u>North</u> LINE AND <u>50</u> FEET FROM THE <u>West</u> LINE, SECTION <u>19</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.		10. Field NA Pool, or Wildcat	NA
15. Elevation (Show whether DF, RT, <u>GP</u> , etc.) 4400' ground level			12. County	Hidalgo

18. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIATION WORK ☐
COMMENCE DRILLING OPS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER Completion and Abandonment Information ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) PER RULE 201.

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Exhibit No. D

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APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

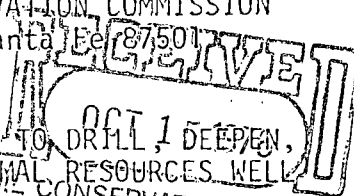
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NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe, N.M. 87501

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK---GEOTHERMAL RESOURCES WELL
OIL CONSERVATION COMM.
Santa Fe



Form G-101

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Lease No.

State Highway right of way

7. Unit Agreement Name
NA

8. Farm or Lease Name
NA

9. Well No.
12

10. Field and Pool, or Wildcat
NA

12. County
Hidalgo

1. Type of Work
Drill [x] Deepen [] Plug Back []
b. Type of Well
Geothermal Producer [] Temp Observation [x]
Low-Temp Thermal [] Injection/Disposal []

2. Name of Operator
AMAX Exploration, Inc.

3. Address of Operator
4704 Harlan Street, Denver, Colorado 80212

4. Location of Well
UNIT LETTER **E** LOCATED 2200 FEET FROM THE north LINE

AND 50 FEET FROM THE west LINE OF SEC. 19 TWP. 27S RGE. 19W NMPM

19. Proposed Depth 500 feet
19A. Formation Alluvium or Tertiary Volcanics
20. Rotary or C.T. rotary
21. Elevations (Show whether DT, RT, etc.) 4400' ground level
21A. Kind & Status Plug. Bond single
21B. Drilling Contractor Hugh M. Harris Drilling Co.
22. Approx. Date Work will start upon issuance

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6" diameter	1 inch in outside diameter PVC pipe	5 ounce	total depth	cement upper 10 feet	

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPERATOR AGREES TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH ACQUIFERS. UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO BE PLUGGED WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.

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 [Signature] Title Manager, Geothermal Exploration Date 10-12-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 10/18/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

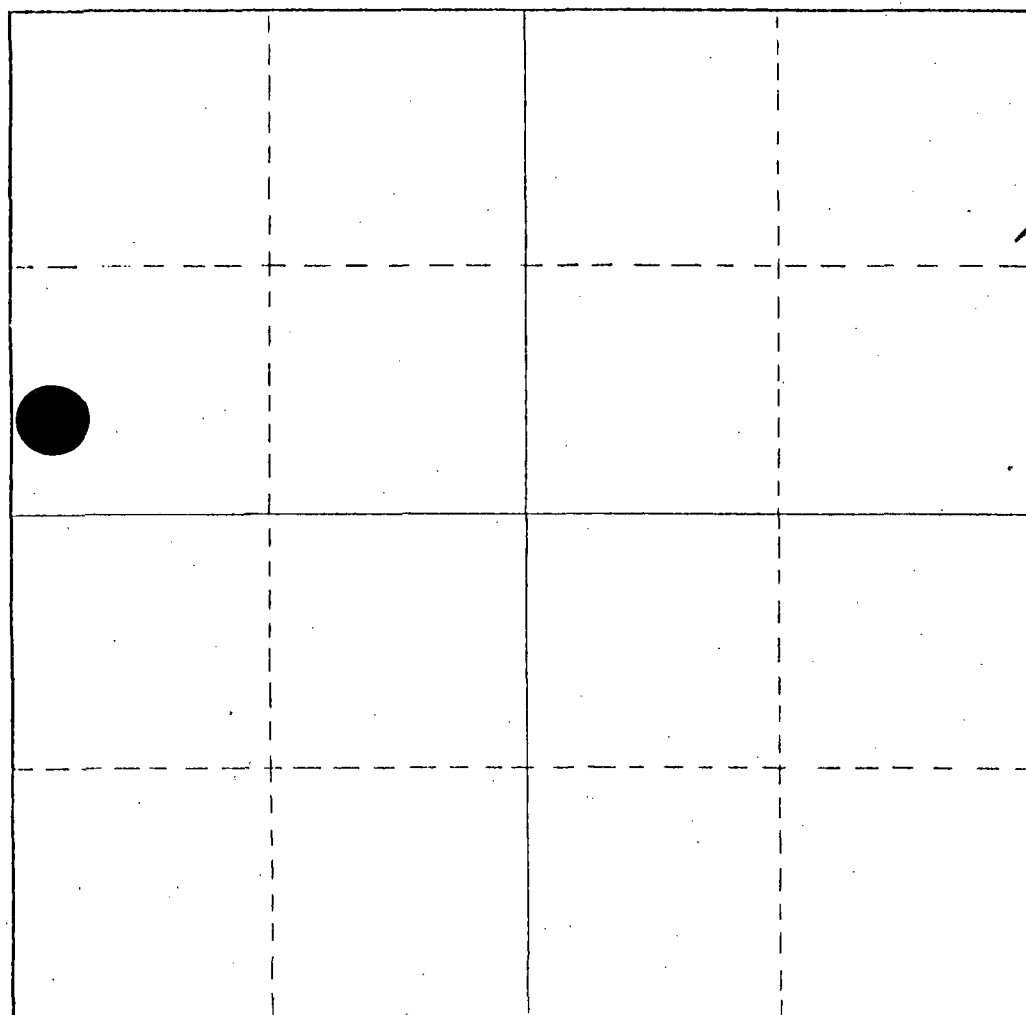
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease State Highway		Well No. 12	
Unit Letter NA	Section 19	Township 27 S	Range 19 W	County Hidalgo	DATE OCT 15 1976
Actual Location of Well: 2200' feet from the north line and 50 feet from the west side of the section.					
Ground Level Elev. 400'	Producing Formation NA		Pool N A	Dedicated Acreage: N A Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. NA
 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). NA
 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? NA
- ☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

10-12-76

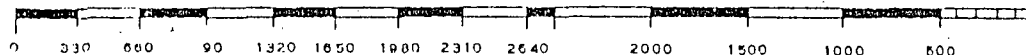
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

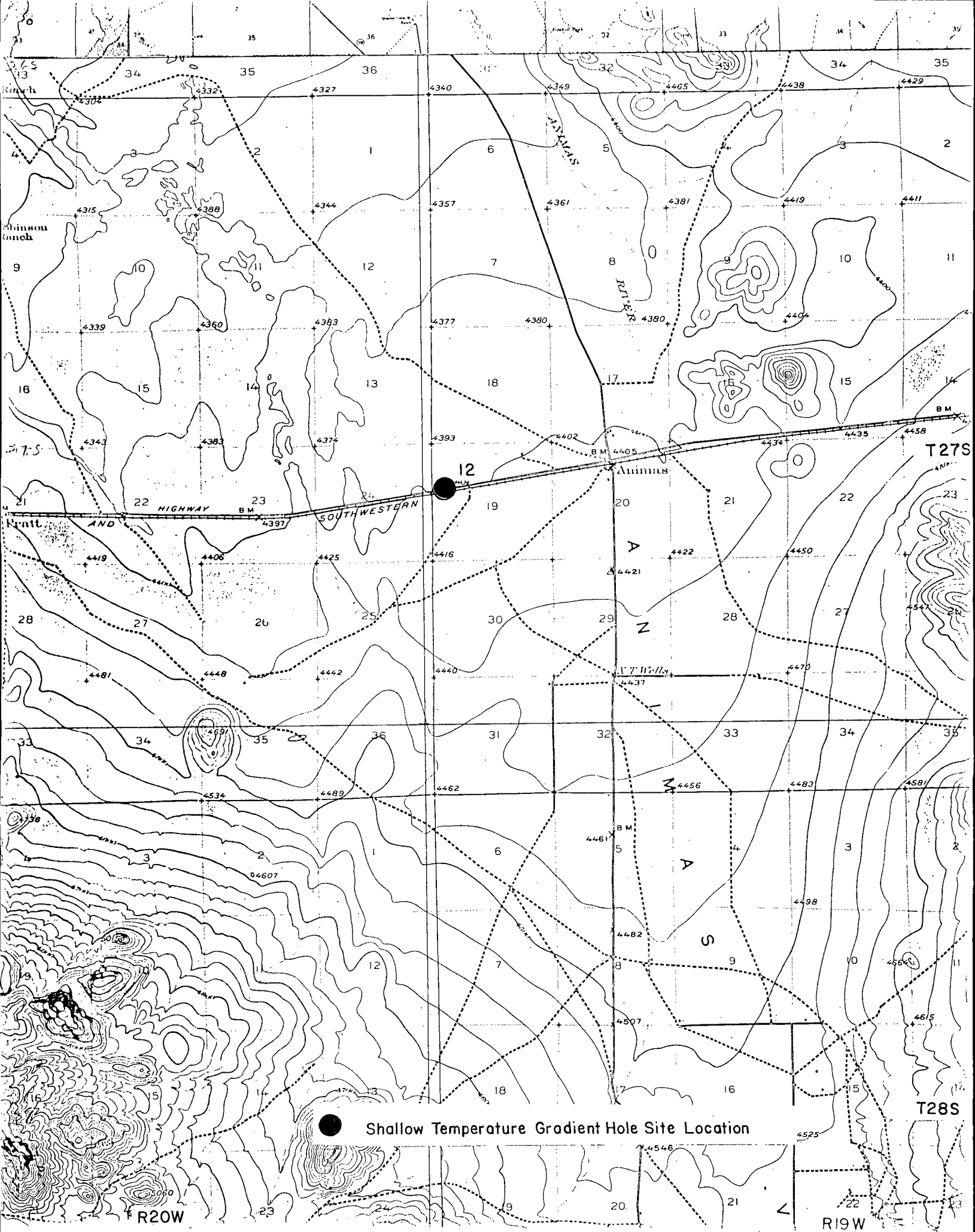
NA

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.





SHALLOW THERMAL GRADIENT DRILL HOLES

Shallow exploration thermal gradient drill holes, as their names imply, are holes which permit temperature measurements at intervals down the hole. When several such holes are drilled, a comparison of temperature data between holes is useful in helping to locate and define areas of unusually high heat.

Shallow exploratory thermal gradient drill holes are usually drilled to depths of 30 to 500 feet. The holes which AMAX wishes to drill will average approximately 300 feet in depth.

Thermal gradient holes generally are drilled with bits 4-3/4" to 6" in diameter. Water wells, by contrast, frequently are drilled with bits 8" to 12" in diameter. Consequently, the drilling of a thermal gradient hole usually has less overall impact than the drilling of a water well to comparable depth.

The equipment used to drill shallow thermal gradient drill holes consists of a light truck-mounted rotary drill rig and a water truck. The truck-mounted drill is usually set up on level ground as close as possible to existing roads. No bulldozing or leveling is required, nor is the drill dug in. The water truck is parked adjacent to the drill. Air is used to remove drill cuttings from the hole when drilling above the water table. Water mixed with drilling mud, and circulated through a portable mud tank, accomplished the same when drilling below the water table or in areas where the water table is relatively shallow. Drill cuttings from the hole are used to backfill the hole.

Up to three 170 foot holes can be drilled in one ten hour period. Deeper holes take longer. A 300 foot hole generally would require 12 to 15 hours. A 500 foot hole might take 20 to 24 hours.

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1" in outside diameter is inserted into the hole. The pipe is capped on the bottom and is filled with water. The drill hole is then backfilled with drill cuttings. Approximately one week later, after the hole has had a chance to reach thermal equilibrium with the surrounding rock, a thermister probe is lowered into the hole and temperature measurements are made at intervals down the hole.

Once tests with the well have been completed, the PVC pipe can be cut off below ground level and the hole filled.

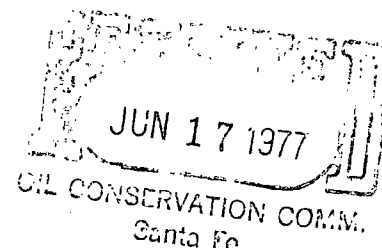
The impact at the drill site once the hole has been filled may consist of tire marks from the two trucks and indications of earth movement immediately over the hole.

AMAX EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

4704 HARLAN STREET • DENVER, COLORADO 80212 • (303) 433-6151

June 8, 1977



Mr. Carl Ulvog
Senior Petroleum Geologist
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Location of Well No. 14, Hidalgo County, New Mexico

Dear Mr. Ulvog:

In response to your memo of May 6, 1977, in which you expressed concern over the correct location of AMAX's Well No. 14, I have since conferred with Harry Olson on this matter.

The location we have described on attached Form G-103 is in fact correct, however, the reason you have had difficulties in finding evidence of the well on the ground is because the location has been made into a parking lot and paved.

If I can be of any further assistance in this matter please let me know.

Thank you for your close attention to this matter.

Sincerely,

Larry Hall
Geothermal Property Manager

LH:d

RECEIVED		
CONTRIBUTION		
H.B.M.		
U.S.G.S.		
Operator		
Land Office		

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

Form G-10.3
10-1-74

SUMMARY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT TO DRILL" (FORM G-10.1) FOR SUCH PROPOSALS.)

Type of Well Geothermal Producer ☐ Temp Observation ☒
Low-Temp Thermal ☐ Injection/Disposal ☐

Name of Operator
AMAX Exploration, Inc.

Address of Operator
4704 Harlan Street, Denver, Colorado 80212

Location of Well
UNIT LETTER A 500 FEET FROM THE North LINE AND 500 FEET FROM
THE East LINE, SECTION 20 TOWNSHIP 27S RANGE 19W N.M.P.M.

15. Elevation (Show whether DF, RT, GP, etc.)
4400' ground level

1. Indicate Type of Lease State <input checked="" type="checkbox"/> Fed <input type="checkbox"/>
2. State Lease for State Highway
3. Unit Agreement Name
4. Term of Lease (Date)
5. Well No. 14
6. Field and Pool, or Field
7. County Hidalgo

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPER. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER Completion and Abandonment Information ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) PER RULE 20.1.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry J. Cason TITLE Managing Geologist, Geothermal DATE January 5, 1976

PROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5/6/77

Memo

From

CARL ULVOG

SENIOR

PETROLEUM GEOLOGIST

To
Amax

I do not believe your Well No. 14 is located as this Form C-103 indicates. Likewise, I believe the map you supplied locates this well incorrectly.

I'm walking out the described location, I could find no evidence of any surface disturbance, nor is there any sign of a wheeled vehicle being near such a spot.

There is evidence of probable drilling approximately one mile further east, which would be in Unit A of Section 21. Please advise if this is actually your No. 14.

OVER

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2098, Santa Fe 87501

Form G-103
10-74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
6. State Lease No.	
State Highway	

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT - 1" (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 NA
2. Name of Operator AMAX Exploration, Inc.		8. Form or Lease Name NA
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212		9. Well No. 14
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>20</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.		10. Field and Pool, or Wildcat NA
15. Elevation (Show whether DF, RT, <u>GP</u> , etc.) 4400' ground level		12. County Hidalgo

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Completion and Abandonment Information</u> <input checked="" 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 20.3.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry J. Casen TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Nevog TITLE SENIOR PETROLEUM GEOLOGIST DATE 5/25/77

CONDITIONS OF APPROVAL, IF ANY:

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

Form G-101

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

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
File	/
N.M.B.M.	/
U.S.G.S.	/
Operator	/
Land Office	/

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
5. State Lease No. State Highway	
7. Unit Agreement Name NA	
8. Farm or Lease Name NA	
9. Well No. 14	
10. Field and Pool, or Wildcat NA	
12. County Hidalgo	
19. Proposed Depth <500 feet	19A. Formation Alluvium or Tertiary Volcanics
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DE, RT, etc.) 4400' ground level	22. Approx. Date Work will start October 1, 1976

1a. 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"/> Injection/Disposal <input type="checkbox"/>	
2. Name of Operator AMAX Exploration, Inc.	
3. Address of Operator 4704 Harlan St., Denver, Colorado 80212	
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>20</u> TWP. <u>27S</u> RGE. <u>19W</u> NMPM	
21. Elevations (Show whether DE, RT, etc.) 4400' ground level	
21A. Kind & Status Plug. Bond single	
21B. Drilling Contractor	
22. Approx. Date Work will start October 1, 1976	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPERATOR AGREES TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH ACOUIFERS. UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO BE PLUGGED WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

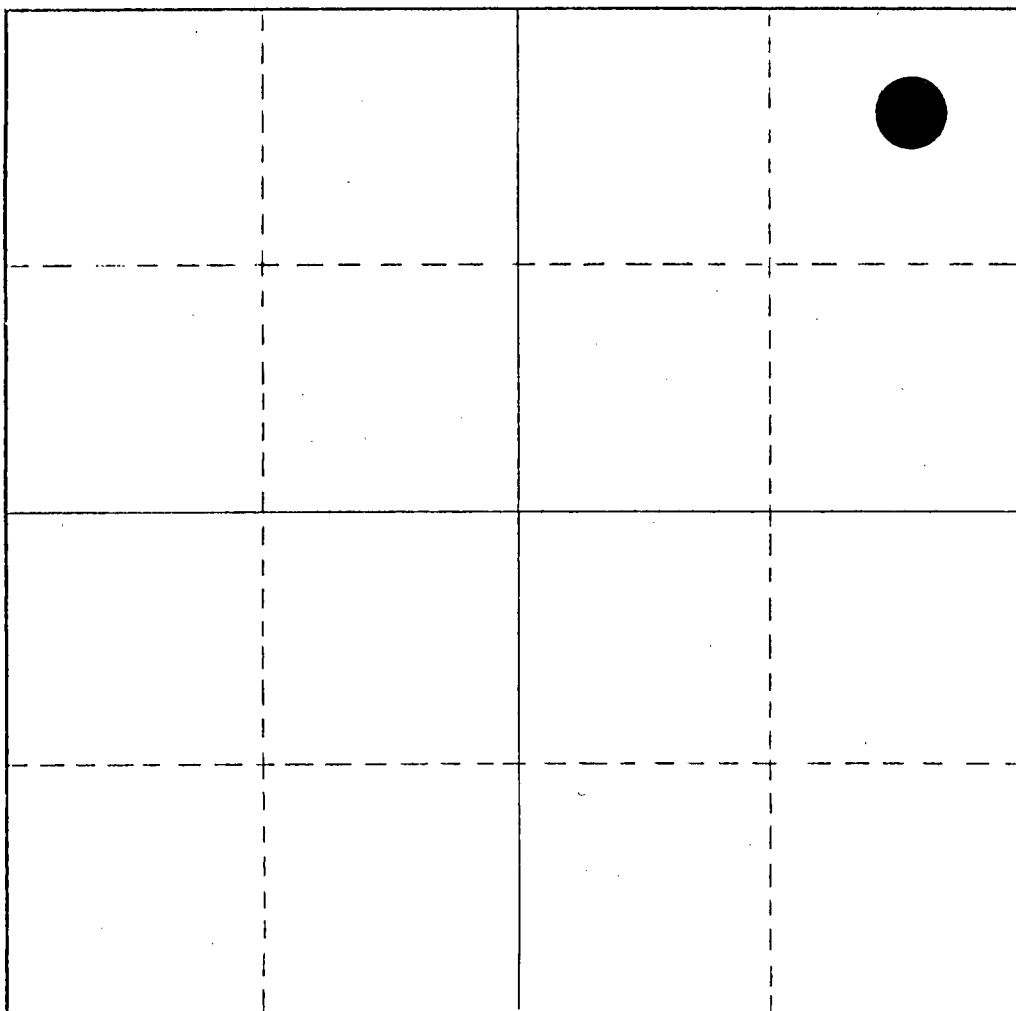
Operator AMAX Exploration, Inc.		Lease State Highway		Well No. 14
Unit Letter NA	Section 20	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: 500 feet from the North line and 500 feet from the East line				
Ground Level Elev. 4400'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **NA**
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). **NA**
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? **NA**

☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

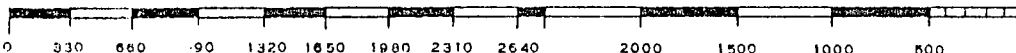
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

NA

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



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

SEP 22 Form G-101

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

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Lease No.

State Highway

7. Unit Agreement Name

NA

8. Farm or Lease Name

NA

9. Well No.

14

10. Field and Pool, or Wildcat

NA

12. County

Hidalgo

19. Proposed Depth

<500 feet

19A. Formation

Alluvium or Tertiary Volcanics

20. Rotary or C.T.

Rotary

22. Approx. Date Work will start-

October 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE

4 3/4 to 6 inch
diameter

SIZE OF CASING

1" in outside
diameter PVC
pipe

WEIGHT PER FOOT

5 ounces

SETTING DEPTH

total depth

SACKS OF CEMENT

NA

EST. TOP

NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

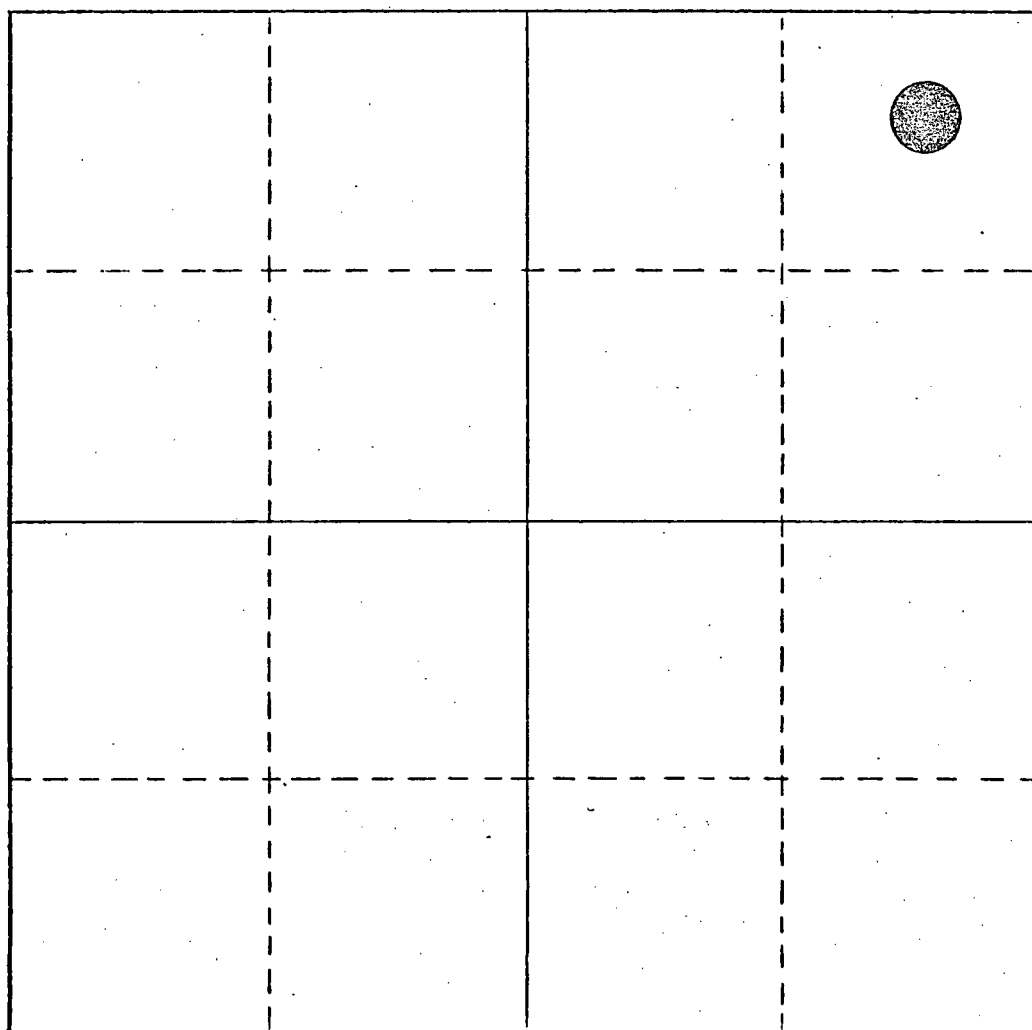
Operator AMAX Exploration, Inc.		Lease State Highway		Well No. 14
Unit Letter NA	Section 20	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: 500 feet from the North line and 500 feet from the East line				
Ground Level Elev. 4400'	Producing Formation NA	Pool NA	Dedicated Acreage NA Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
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). **NA**
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? **NA**

☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

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.

NA

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

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

Form G-103
10-1 74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS.

5. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
6. State Lease No.	
GTR-232	

(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"/>		7. Unit Agreement Name	
		Low-Temp Thermal <input type="checkbox"/>		Injection/Disposal <input type="checkbox"/>		NA	
2. Name of Operator							
AMAX Exploration, Inc.							
3. Address of Operator							
4704 Harlan Street, Denver, Colorado 80212							
4. Location of Well							
UNIT LETTER <u>L</u> <u>2000</u> FEET FROM THE <u>South</u> LINE AND <u>800</u> FEET FROM							
THE <u>West</u> LINE, SECTION <u>29</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.							
10. Field and Pool, or Wildcat							
NA							
15. Elevation (Show whether DF, RT, GP, etc.)							
4425' ground level							
12. County							
Hidalgo							

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <u>Completion and Abandonment Information</u> <input checked="" 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 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry Peterson TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvåg TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

CONDITIONS OF APPROVAL, IF ANY:

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

Form G-103
10-1 74

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File		
N.M.B.M.		
U.S.G.S.		
Operator		
Land Office		

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Lease No. GTR-232
7. Unit Agreement Name NA
8. Farm or Lease Name NA
9. Well No. 18
10. Field and Pool, or Wildcat NA
11. Elevation (Show whether DF, RT, <u>LP</u> , etc.) 4425' ground level
12. County Hidalgo

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
(SEE 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
AMAX Exploration, Inc.

3. Address of Operator
4704 Harlan Street, Denver, Colorado 80212

4. Location of Well
UNIT LETTER L 2000 FEET FROM THE South LINE AND 800 FEET FROM
THE West LINE, SECTION 29 TOWNSHIP 27S RANGE 19W NMPM.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER Completion and Abandonment Information <input checked="" 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 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry Carson TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

CONDITIONS OF APPROVAL, IF ANY

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NEW MEXICO OIL CONSERVATION COMMISSION SEP 22 1976
P. O. Box 2088, Santa Fe 87501

Form G-4101

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

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> NEW MEXICO <input type="checkbox"/> FEDERAL <input type="checkbox"/>
5. State Lease No.
GTR-232

1a. 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"/> Injection/Disposal <input type="checkbox"/>
2. Name of Operator	AMAX Exploration, Inc.
3. Address of Operator	4704 Harlan St., Denver, CO 80212
4. Location of Well	UNIT LETTER <u>NA L</u> LOCATED <u>2000</u> FEET FROM THE <u>South</u> LINE AND <u>800</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>29</u> TWP. <u>27S</u> RGE. <u>19W</u> NMPM

7. Unit Agreement Name	NA
8. Farm or Lease Name	NA
9. Well No.	18
10. Field and Pool, or Wildcat	NA
12. County	Hidalgo

19. Proposed Depth	<500 feet	19A. Formation	Alluvium or Tertiary volcanics	20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	4425' ground level	21A. Kind & Status Plug. Bond	multiple	22. Approx. Date Work will start	October 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPERATOR AGREES TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH ACOUIFERS. UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO BE PLUGGED WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

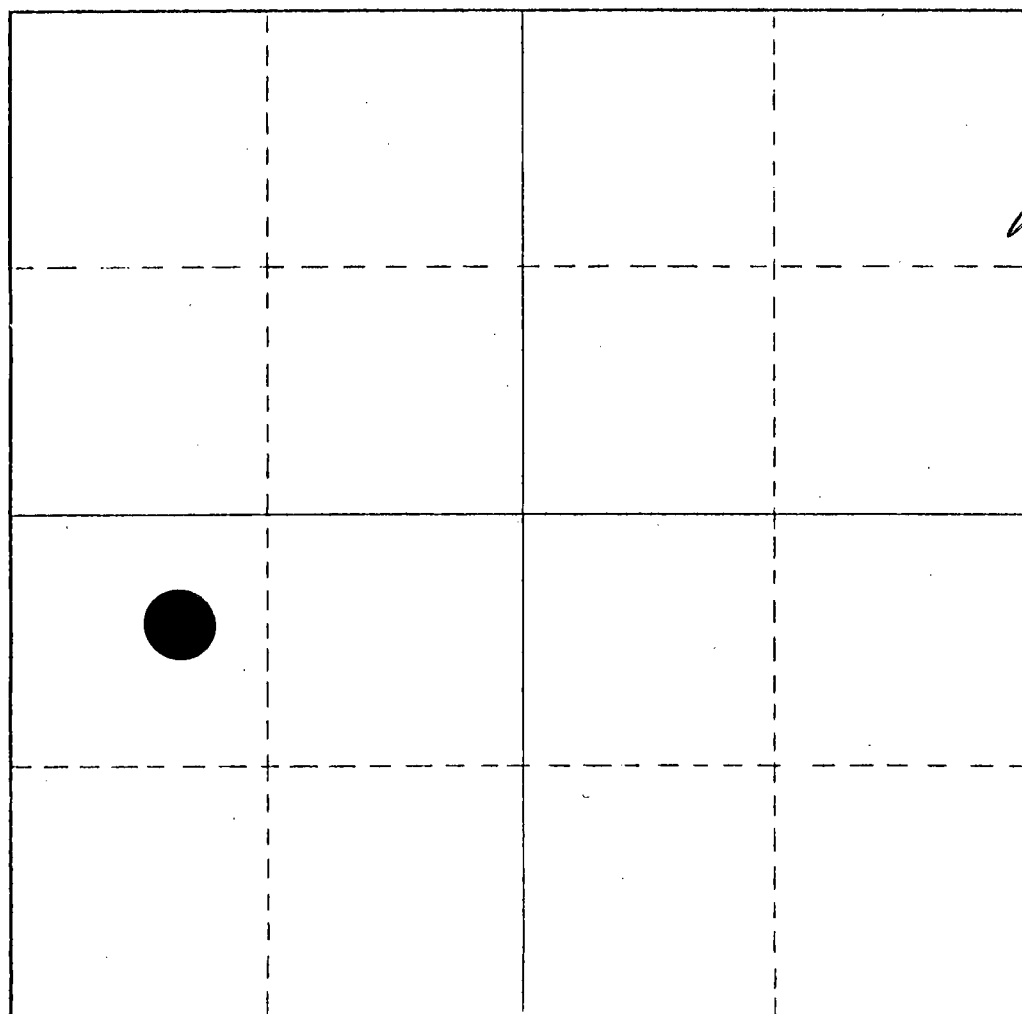
Operator AMAX Exploration, Inc.		Lease GTR-232		Well No. 18
Unit Letter NA	Section 29	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: 2000 feet from the South line and 800 feet from the West line				
Ground Level Elev. 4425'	Producing Formation NA		Pool NA	Dedicated Acreage: NA Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
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). **NA**
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? **NA**

☐ 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

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

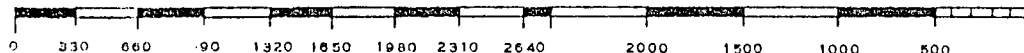
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

NA

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



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

Form G-101

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

5A. Indicate Type of Lease

STATE ☒ FEDERAL ☐

5. State Lease No.

GTR-232

7. Unit Agreement Name

NA

8. Farm or Lease Name

NA

9. Well No.

18

10. Field and Pool, or Wildcat

NA

12. County

Hidalgo

19. Proposed Depth

<500 feet

19A. Formation

Alluvium or Tertiary volcanics

20. Rotary or C.T.

Rotary

21. Elevations: (Show whether DF, RL, etc.)

4425' ground level

21A. Kind & Status Plug. Bond

multiple

21B. Drilling Contractor

22. Approx. Date Work will start

October 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE

4 3/4 to 6 inch
diameter

SIZE OF CASING

1" in outside
diameter PVC
pipe

WEIGHT PER FOOT

5 ounces

SETTING DEPTH

total depth

SACKS OF CEMENT

NA

EST. TOP

NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

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.

Signature

Title Manager, Geothermal Exploration

Date

9-20-76

(This space for State Use)

APPROVED BY

Carl Ulvog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

9/24/76

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 AMAX Exploration, Inc.		Lease GTR-232		Well No. SEP 22 1983
Unit Letter NA	Section 29	Township 27S	Range 19W	County Hidalgo
Actual Footage Location of Well: Same to				
2000 feet from the South line and 800 feet from the West line				
Ground Level Elev. 4425'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA</p> <p>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). NA</p> <p>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? NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>				
				CERTIFICATION
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
				Name William M. Dolan
				Position Manager, Geothermal Exploration
				Company AMAX Exploration, Inc.
				Date 9-20-76
<p>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.</p> <p>NA</p>				Date Surveyed
				Registered Professional Engineer and/or Land Surveyor
				Certificate No.

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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
10-1 74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Lease No. GTR-232
7. Unit Agreement Name NA
8. Farm or Lease Name NA
9. Well No. 19
10. Field and Pool, or Wildcat NA
12. County Hidalgo

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 AMAX Exploration, Inc.	
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212	
4. Location of Well UNIT LETTER <u>I</u> <u>2000</u> FEET FROM THE <u>South</u> LINE AND <u>800</u> FEET FROM THE <u>East</u> LINE, SECTION <u>29</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.	

15. Elevation (Show whether DF, RT, GP, etc.)
4425' ground level

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Completion and Abandonment Information</u> <input checked="" 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 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry H. Hester TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

CONDITIONS OF APPROVAL, IF ANY

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

Form G-103
10-1 74

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Operator	
Land Office	

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
6. State Lease No. GTR-232
7. Unit Agreement Name NA
8. Farm or Lease Name NA
9. Well No. 19
10. Field and Pool, or Wildcat NA
12. County Hidalgo

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 AMAX Exploration, Inc.	
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212	
4. Location of Well UNIT LETTER <u>I</u> <u>2000</u> FEET FROM THE <u>South</u> LINE AND <u>800</u> FEET FROM THE <u>East</u> LINE, SECTION <u>29</u> TOWNSHIP <u>27S</u> RANGE <u>19W</u> NMPM.	

15. Elevation (Show whether DF, RT, <u>GP</u> , etc.) 4425' ground level

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER Completion and Abandonment Information <input checked="" 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 201.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 2.54cm (1") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then back-filled with drill cuttings. The drilling program was completed on November 6, 1976

Abandonment Procedure

The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) is filled with cement. Any remaining depression is filled with soil and the area is raked to restore the site to its original appearance and contour. All drilling related refuse is removed and properly disposed of. Abandonment of hole occurred between December 16 and December 18, 1976.

Order No. R-4860
Exhibit No. D

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

SIGNED Harry Kleson TITLE Managing Geologist, Geothermal DATE January 5, 1976

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/26/77

CONDITIONS OF APPROVAL, IF ANY:

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

SEP 23 1976

Form G-101

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

5A. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/>
5. State Lease No.	GTR-232

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>
1b. 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	NA
8. Farm or Lease Name	NA

2. Name of Operator	AMAX Exploration, Inc.
---------------------	------------------------

9. Well No.	19
-------------	----

3. Address of Operator	4704 Harlan Street, Denver, Colorado 80212
------------------------	--

10. Field and Pool, or Wildcat	NA
--------------------------------	----

4. Location of Well	UNIT LETTER NA I LOCATED 2000 FEET FROM THE South LINE
AND 800 FEET FROM THE East LINE OF SEC. 29 TWP. 27S RGE. 19W NMPM	

12. County	Hidalgo
------------	---------

19. Proposed Depth	<500 feet	19A. Formation or Tertiary Volcanics	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.)	4425' ground level	21A. Kind & Status Plug. Bond multiple	21B. Drilling Contractor
		22. Approx. Date Work will start- October 1, 1976	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPERATOR AGREES TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH ACOUIFERS. UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO BE PLUGGED WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

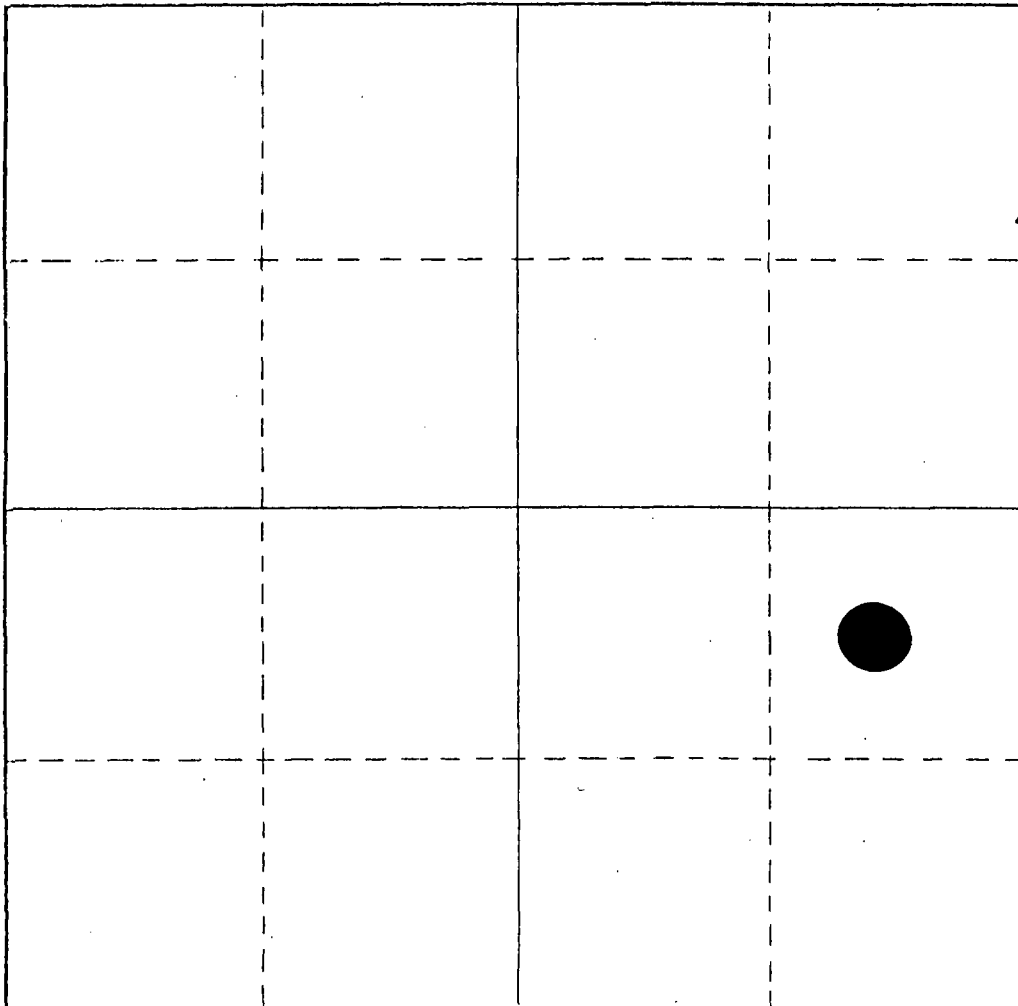
(This space for State Use)

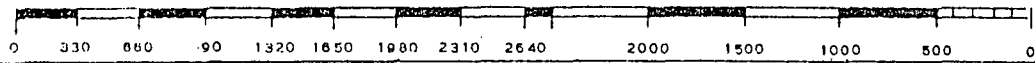
APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76

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 AMAX Exploration, Inc.		Lease GTR-232		Well No. 19	
Unit Letter NA	Section 29	Township 27S	Range 19W	County Hidalgo	
Actual Footage Location of Well:					
2000 feet from the		South line and		800 feet from the East line	
Ground Level Elev. 4425'	Producing Formation NA		Pool NA		Dedicated Acreage: NA Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. NA</p> <p>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). NA</p> <p>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? NA</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>					
				CERTIFICATION	
				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
				Name W. M. Dolan	
				Position Manager, Geothermal Exploration	
				Company AMAX Exploration, Inc.	
				Date 9-20-76	
				<p><i>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.</i></p> <p style="text-align: center;">NA</p>	
				Date Surveyed	
				Registered Professional Engineer and/or Land Surveyor	
				Certificate No.	



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

Form G-101

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

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> REC <input type="checkbox"/>	
5. State Lease No. GTR-232	
7. Unit Agreement Name NA	
8. Farm or Lease Name NA	
9. Well No. 19	
10. Field and Pool, or Wildcat NA	
12. County Hidalgo	
19. Proposed Depth <500 feet	19A. Formation Alluvium or Tertiary Volcanics
20. Rotary or C.T. Rotary	
21. Elevation (Show whether DE, RT, etc.) 4425' ground level	21A. Kind & Status Plug. Bond multiple
21B. Drilling Contractor	22. Approx. Date Work will start October 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6 inch diameter	1" in outside diameter PVC pipe	5 ounces	total depth	NA	NA

Drilling of one (1) geothermal hole to depths not to exceed 500 feet. A 1 inch in outside diameter PVC pipe capped on the bottom will be inserted into the hole to total depth. The hole will be backfilled with cuttings. The inserted PVC pipe is then filled with water and the system allowed to reach equilibrium with the surrounding strata. Temperature measurements will be taken from the holes over the ensuing months.

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 [Signature] Title Manager, Geothermal Exploration Date 9-20-76

(This space for State Use)

APPROVED BY Carl Ullvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/24/76
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

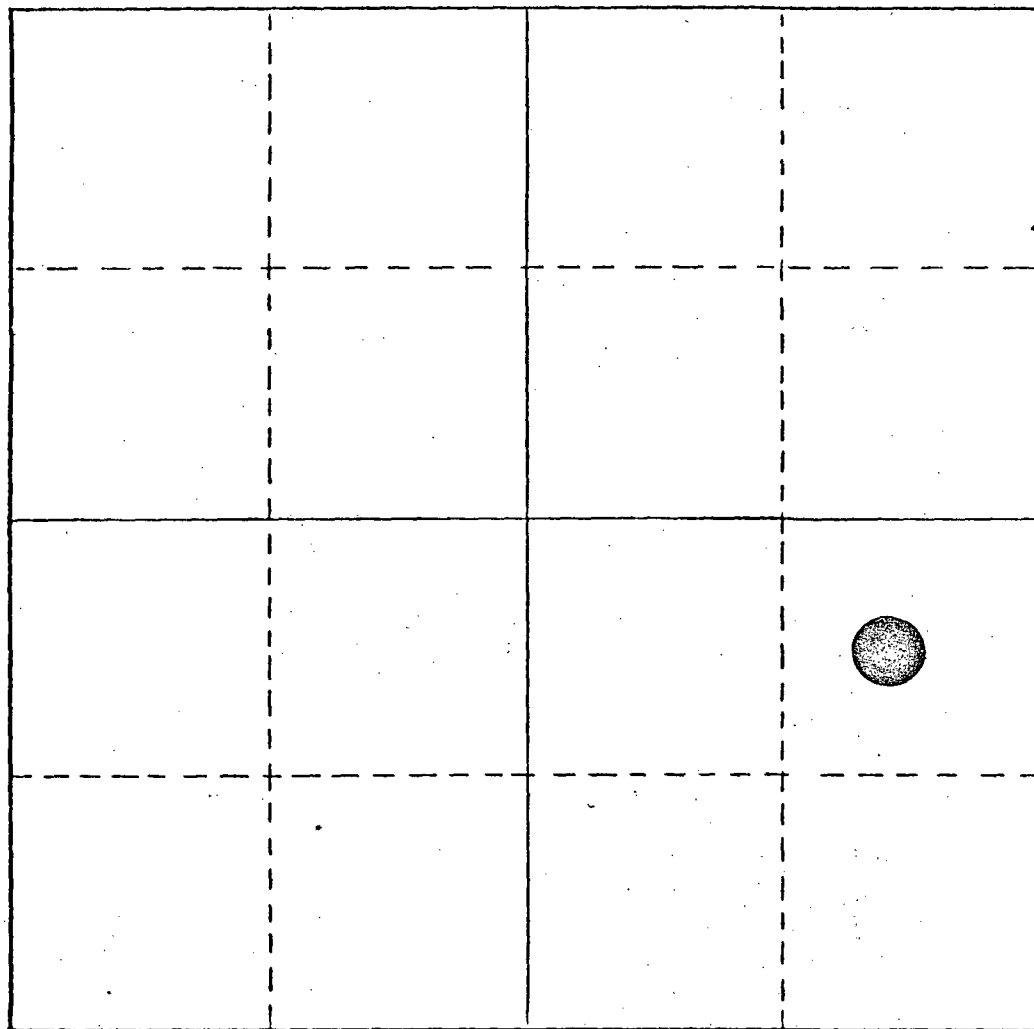
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-232		Well No. 19	
Unit Letter NA	Section 29	Township 27S	Range 19W	County Hidalgo	
Actual Footers Location of Well:					
2000 feet from the		South' line and		800 feet from the East line	
Ground Level Elev. 4425'	Producing Formation NA		Pool NA		Dedicated Acreage: NA Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
 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). NA
 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? NA
- ☐ 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

W. M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

9-20-76

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.

NA

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

