

**GTLT - \_\_\_\_\_5\_\_\_\_\_**

**(5-18)-25S-19W  
Hidalgo County**

**672-203; 672-204; T-129;  
672-210; 672-209; 672-207;  
672-205; 672-222; 672-235;  
672-232; 672-234; 672-233;  
T-132; 672-218; 672-229; 672-  
230 & 672-217**

**GEOHERMAL BRANCH**

May 8, 1981

CERTIFIED MAIL #1141329  
RETURN RECEIPT REQUESTED

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

RE: AMAX Exploration, Inc. Animas Project (672), Hidalgo County,  
New Mexico

"Sundry Notices and Reports on Geothermal Resources Wells" for  
Hole Nos. 672-206 and 672-231 under permit approved February 15,  
1980 (AMAX No. NM-OC-2028)

Dear Mr. Ulvog:

This letter is written to notify you that drilling activities conducted  
by AMAX Exploration, Inc. under the above-referenced permit at the Animas  
Project in New Mexico have been completed. The holes were plugged on  
April 13, 1981 and proper abandonment and reclamation activities have  
been carried out.

The following is submitted in triplicate:

- 1) Geothermal Well Completion Report for each hole which was drilled.
- 2) Lithologic logs, including hole number, location, elevation, date drilled, method used, and gamma for each hole which was drilled.
- 3) Temperature logs for each hole which was drilled.
- 4) Exhibit A indicating Method of Completion and Abandonment Procedure.

The following holes were not drilled:

672-203	672-216	672-230
672-204 ✓	672-217	672-232
672-205	672-218	672-233
672-207	672-222	672-234
672-209	672-229	672-235
672-210		

As AMAX Exploration, Inc. anticipates no further work at these well sites, we request that the case file be closed.

If I can be of further assistance, please contact me at your earliest convenience.

Sincerely,

AMAX EXPLORATION, INC.

*Carolyn J. Holtgrewe*  
Carolyn J. Holtgrewe  
Permit Assistant

CJH/bsw

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File	1
N.M.B.M.	1
G.S.	1
Operator	1
Land Office	1

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK--GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE
5.a State Lease No.
GTR-006-1

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"/>	Injection/Disposal <input type="checkbox"/>
2. Name of Operator	AMAX Exploration, Inc.		
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033		
4. Location of Well	UNIT LETTER <u>D</u> LOCATED <u>150</u> FEET FROM THE <u>West</u> LINE		
AND <u>150</u> FEET FROM THE NorthLINE OF SEC. 5 TWP. T25S RGE. R19W NMPM			

7. Unit Agreement Name
NA
8. Farm or Lease Name
NA
9. Well No.
672-203
10. Field and Pool, or Wildcat
Wildcat
12. County
Hildago

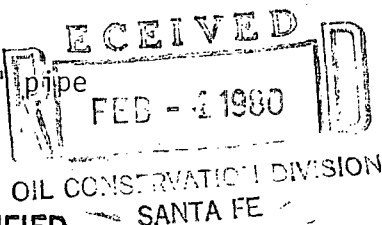
19. Proposed Depth	2,000'
19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	4,240' ground level
21A. Kind & Status Plug. Bond	\$10,000 Multiple-
21B. Drilling Contractor	Not known at this time
22. Approx. Date Work will start	2/15/80

Well Geothermal Exploratory, Development, Injection, or Disposal Well  
PROPOSED CASING AND CEMENT PROGRAM Bond

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

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.

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST

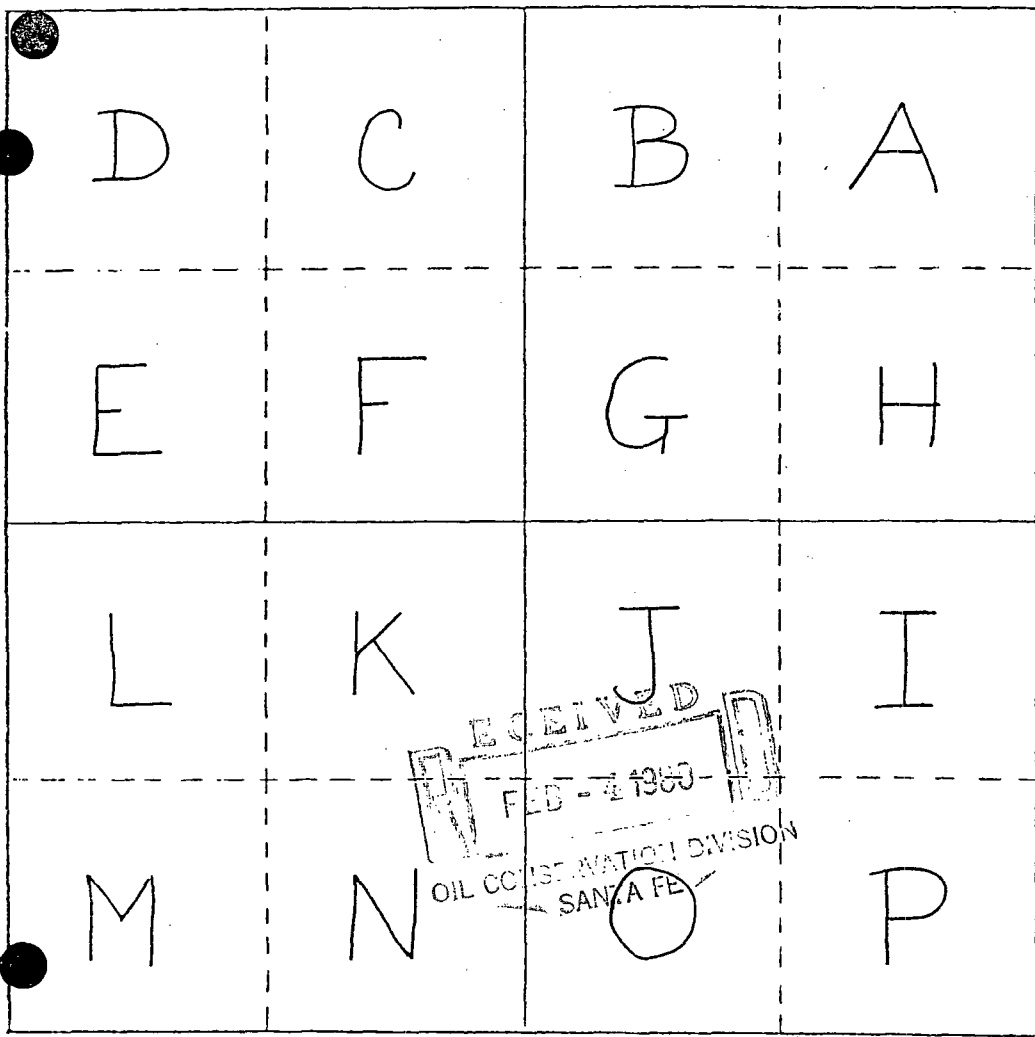
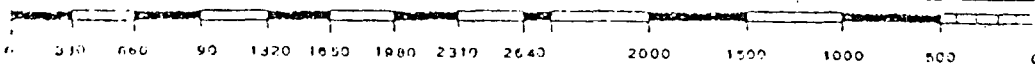
CONDITIONS OF APPROVAL, IF ANY:

DATE 2/15/80

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
UNLESS DRILLING UNDERWAY

## 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-006-1		Well No. 672-203
Unit Letter D	Section 5	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 150 feet from the West line and 150 feet from the North line				
Ground Level Elev. 4,240'	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>				
				<p>CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i></p> <p>Name William M. Dolan</p> <p>Position Attorney-in-fact Manager, Geothermal Exploration</p> <p>Company AMAX Exploration, Inc.</p> <p>Date January 28, 1980</p> <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>Date Surveyed NA</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>Certificate No.</p>
				

## NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

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DISTRIBUTION		
File	1	✓
N.M.B.M.	1	
U.S.	1	
Operator	1	
Land Office	1	

5. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5.a State Lease No.	
GTR-006-1	

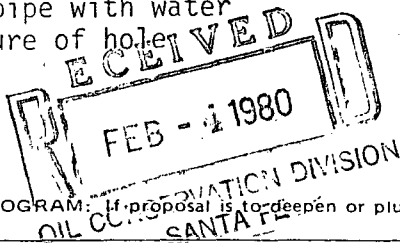
1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA		
b. Type of Well	Geothermal Producer <input type="checkbox"/> Temp Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	8. Farm or Lease Name	NA		
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-204		
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat		
4. Location of Well	UNIT LETTER <u>L</u> LOCATED <u>100</u> FEET FROM THE <u>West</u> LINE AND <u>2,450</u> FEET FROM THE South LINE OF SEC. <u>5</u> TWP. <u>T25S</u> RGE. <u>R19W</u> NMPM	12. County	Hildago		
19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics		
20. Rotary or C.T.			Rotary		
21. Elevations (Show whether DF, RT, etc.)	4,225' ground level	21A. Kind & Status Plug. Bond	\$10,000 Multiple-		
21B. Drilling Contractor	Not known at this time	22. Approx. Date Work will start	2/15/80		
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

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

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
UNLESS DRILLING UNDERWAY



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.

William M. Dolan

Attorney-in-fact

Title

Manager, Geothermal Exploration

Date

January 28, 1980

(This space for State Use)

APPROVED BY

Carl Ulvog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

2/15/80

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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-204
Unit Letter L	Section 5	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 100 feet from the West line and 2,450 feet from the South line				
Ground Level Elev. 4,225'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

RECEIVED  
FEB - 11 1980  
OIL CONSERVATION DIVISION  
SANTA FE

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 Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.

Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

**AMAX****EXPLORATION, INC.**

A SUBSIDIARY OF AMAX INC.

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

January 13, 1978

CERTIFIED MAIL #125901  
RETURN RECEIPT REQUESTED

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

Re: Notice of Completion and Abandonment of Geothermal Temperature  
Observation Wells in Hidalgo County, New Mexico.

Dear Mr. Ulvog:

Thank you for your letter dated September 26, 1977 calling our  
attention to the discrepancies in my letter to you dated September 8, 1977.  
That letter is hereby corrected to read:

The following wells were drilled:

T-126, T-127, T-128, T-130, T-131, T-133, T-134,  
T-135, and T-136.

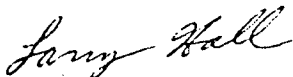
Please note that the following holes were not drilled:

T-125, T-129 and T-132.

I am enclosing "Sundry Notices and Reports on Geothermal Resources  
Wells" (Form G-103) for well numbers T-128, T-133 and T-134.

If I can be of further assistance, please advise.

Sincerely,



Larry Hall  
Geothermal Property Manager

LH/c  
Encl.

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File	1 ✓
M.B.H.	1
G.S.	1
Operator	1
Land Office	
BLM	1

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

APR 11 1977 Form G-101

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

5A. Indicate Type of Lease	STATE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
5B. State Lease No.	NA
7. Unit Agreement Name	NA
8. Farm or Lease Name	Gomez
9. Well No.	T-129
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
21A. Kind & Status Plug. Bond	multiple
21B. Drilling Contractor	Southwest Drilling & Exploration, Inc.
22. Approx. Date Work will start	April 18, 1977

a. Type of Work	Drill [X] Deepen [ ] Plug Back [ ]
b. Type of Well	Geothermal Producer [ ] Temp Observation [X] 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 E LOCATED 2000' FEET FROM THE north LINE 100' FEET FROM THE west LINE OF SEC. 7 TWP. 25S RCP. 19W NADP
c. Elevation (Show whether D.P., R.T., etc.)	4190'

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 aquifers. Upon conclusion of temperature observation period well is to be plugged with cement from surface to ten feet of depth or greater.

*not drilled*

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED  
EXPIRES 7/11/77

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.

*Harvey Olson* Title Managing Geologist, Date April 6, 1977  
(This space for State Use) Geothermal Exploration

APPROVED BY *Carl Ulvog* TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/11/77  
CONDITIONS OF APPROVAL, IF ANY:



## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

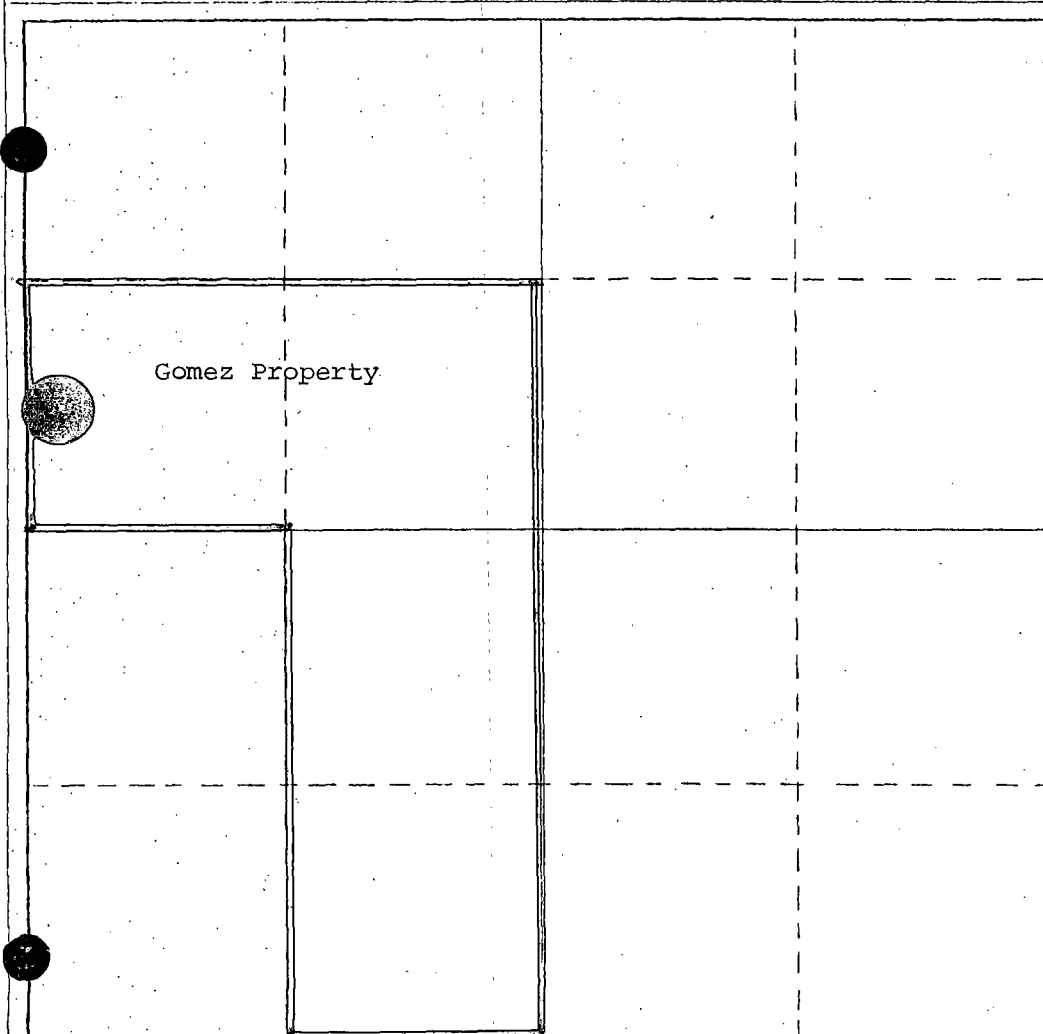
Operator AMAX Exploration, Inc.			County Gomez		Well No. T-129
Unit Tether NA	Section 7	Township 25S	Range 19W	Date APR 11 1977 Hidalgo	
Actual Footage Location of Well: 2000' feet from the north line and 100' feet from the west line					
Ground Level Elev. 4190'	Producing Formation NA		Pool NA	Dedicated 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 correct to the best of my knowledge and belief.

Name

Harry J. Olson

Position Managing Geologist,  
Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

April 6, 1977

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

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

NO. OF COPIES RECEIVED		
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File	/	✓
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S.S.	/	
Operator	/	
Land Office	/	

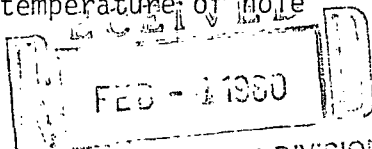
5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA		
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	NA		
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-210		
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat		
4. Location of Well	UNIT LETTER <u>J</u> LOCATED <u>2,300</u> FEET FROM THE <u>East</u> LINE AND <u>2,475</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>8</u> TWP. <u>T25S</u> RGE. <u>R19W</u> NMPM	12. County	Hildago		
19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics		
20. Rotary or C.T.	Rotary	21. Elevations (Show whether DF, RT, etc.)	4,270' ground level		
21A. Kind & Status Plug. Bond	\$10,000 Multiple-	21B. Drilling Contractor	Not known at this time		
22. Approx. Date Work will start	2/15/80	Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond PROPOSED CASING AND CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
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- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.  
Signature: William M. Dolan Title: Manager, Geothermal Exploration Date: January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80

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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-210	
Unit Letter J	Section 8	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 2,300 feet from the East line and 2,475 feet from the South line					
Ground Level Elev. 4,270'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

RECEIVED  
FEB - 1980  
OIL CONSERVATION DIVISION  
SANTA FE

## 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 Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2086, Santa Fe 87501

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File	1
N.B.M.	1
C.S.	1
Operator	1
Land Office	1

APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK--GEOTHERMAL RESOURCES WELL5. Indicate Type of Lease  
STATE ☒ FEE ☐

5.a State Lease No.

GTR-111

1a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐  
b. Type of Well Geothermal Producer ☐ Temp Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name  
NA8. Farm or Lease Name  
NA2. Name of Operator  
AMAX Exploration, Inc.9. Well No.  
672-2093. Address of Operator  
7100 W. 44th Avenue - Wheat Ridge, Colorado 8003310. Field and Pool, or Wildcat  
Wildcat4. Location of Well UNIT LETTER L LOCATED 150 FEET FROM THE West LINEAND 2,700 FEET FROM THE North LINE OF SEC. 8 TWP. T25S RGE. R19W NMPM12. County  
Hildago

21. Elevations (Show whether DF, RT, etc.) 4,230' ground level	21A. Kind & Status Plug. Bond \$10,000 Multiple-	19. Proposed Depth 2,000'	19A. Formation Alluvium or Tertiary Volcanics	20. Rotary or C.T. Rotary
21B. Drilling Contractor known at this time		22. Approx. Date Work will start 2/15/80		

Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

OIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONSRECEIVED  
FEB - 1 1980  
OIL CONSERVATION DIVISION -  
SANTA FEAPPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
UNLESS DRILLING UNDERWAY

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 prevention program, if any.

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

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-111		Well No. 672-209	
Section Letter L	Section 8	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 150 feet from the West line and 2,700 feet from the North line					
Ground Level Elev. 4,230'	Producing Formation NA	Pool NA		Dedicated Acreage: NA Acres	

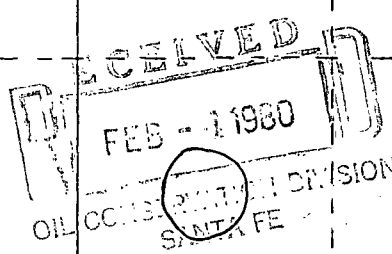
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership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

D	C	B	A
E	F	G	H
L	K	J	I
M	N		P



CERTIFICATION

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

*[Signature]*

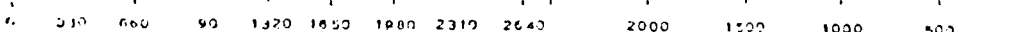
Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.

Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



## NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2086, Santa Fe 87501

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S.S.	/
Operator	/
Land Office	/

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

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA
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	NA
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-207
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat
4. Location of Well	UNIT LETTER <u>A</u> LOCATED <u>200</u> FEET FROM THE <u>East</u> LINE AND <u>75</u> FEET FROM THE North LINE OF SEC. 8 TWP. T25S RGE. R19W NMPM	12. County	Hildago
19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.			Rotary
21. Elevations (Show whether DF, RT, etc.)	4,285' ground level	21A. Kind & Status Plug. Bond	\$10,000 Multiple-
21B. Drilling Contractor	known at this time	22. Approx. Date Work will start	2/15/80

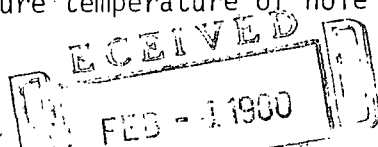
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.  
William M. Dolan Attorney-in-fact  
Manager, Geothermal Exploration Title Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-207	
Unit Letter A	Section 8	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 200 feet from the East line and 75 feet from the North line					
Ground Level Elev. 4,285'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres		

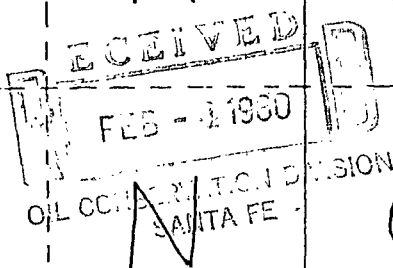
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership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

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P



CERTIFICATION

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

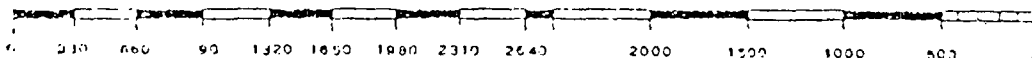
*[Signature]*

Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



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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 WELL5. Indicate Type of Lease  
STATE ☒ FEE [

5.a State Lease No.

GTR-006-1

1a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐  
b. Type of Well Geothermal Producer ☐ Temp Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name  
NA8. Farm or Lease Name  
NA

2. Name of Operator

AMAX Exploration, Inc.

9. Well No.

672-205

3. Address of Operator

7100 W. 44th Avenue - Wheat Ridge, Colorado 80033

10. Field and Pool, or Wildcat  
Wildcat

4. Location of Well UNIT LETTER D LOCATED 150 FEET FROM THE West LINE  
AND 100 FEET FROM THE North LINE OF SEC. 8 TWP. T25S RGE. R19W NMPM

12. County  
Hildago

19. Proposed Depth 2,000' 19A. Formation Alluvium or Tertiary Volcanics 20. Rotary or C.T. Rotary  
21. Elevations (Show whether DF, RT, etc.) 4,230' ground level 21A. Kind & Status Plug. Bond \$10,000 Multiple- 21B. Drilling Contractor Not known at this time 22. Approx. Date Work will start 2/15/80

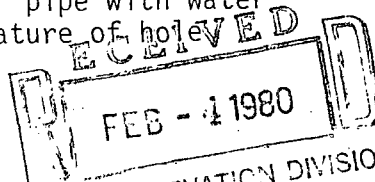
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

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- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.

William M. DoVan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ullvog TITLE SENIOR PETROLEUM GEOLOGISTDATE 2/15/80

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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-205	
Unit Letter D	Section 8	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 150 feet from the West line and 100 feet from the North line					
Ground Level Elev. 4,230'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

RECEIVED  
FEB - 11 1980  
OIL CONSERVATION DIVISION  
SANTA FE

## 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 Attorney-in-fact  
Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

January 28, 1980

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

NA

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2086, Santa Fe 87501

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S.S.	1
Operator	1
Land Office	1

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

5. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5.a State Lease No. NA - AMAX
Leases 672-3016, 17, 18

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA		
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	NA		
2. Name of Operator	AMAX Exploration, Inc.				
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033				
4. Location of Well	UNIT LETTER <u>F</u> LOCATED <u>2,300</u> FEET FROM THE <u>East</u> LINE AND <u>1,475</u> FEET FROM THE Northline OF SEC. 13 TWP. T25S RGE. R19W NMPM				
		9. Well No.	672-222		
		10. Field and Pool, or Wildcat	Wildcat		
		12. County	Hildago		
		19. Proposed Depth	2,000'		
		19A. Formation	Alluvium or Tertiary Volcanics		
		20. Rotary or C.T.	Rotary		
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start		
4,195' ground level	\$10,000 Multiple-	known at this time	2/15/80		
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.

William M. Dolan

Attorney-in-fact

Title

Manager, Geothermal Exploration

Date January 28, 1980

(This space for State Use)

APPROVED BY

Carl Uevog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

2/15/80

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 AMAX Exploration, Inc.		Lease NA (AMAX Fee Lease Nos. 672-3016, 17, 18)		Well No. 672-222
Section Letter F	Section 13	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 2,300 feet from the West line and 1,475 feet from the North line				
Ground Level Elev. 4,195'	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.

				<p align="center"><b>CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>[Signature]</i></p> <p>Name William M. Dolan</p> <p>Position Attorney-in-fact Manager, Geothermal Exploration</p> <p>Company AMAX Exploration, Inc.</p> <p>Date January 28, 1980</p> <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>Date Surveyed NA</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>Certificate No.</p>	
--	--	--	--	---	--

**GEOHERMAL BRANCH**

May 8, 1981

CERTIFIED MAIL #1141329  
RETURN RECEIPT REQUESTED

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

RE: AMAX Exploration, Inc. Animas Project (672), Hidalgo County,  
New Mexico

"Sundry Notices and Reports on Geothermal Resources Wells" for  
Hole Nos. 672-206 and 672-231 under permit approved February 15,  
1980 (AMAX No. NM-OC-2028)

Dear Mr. Ulvog:

This letter is written to notify you that drilling activities conducted  
by AMAX Exploration, Inc. under the above-referenced permit at the Animas  
Project in New Mexico have been completed. The holes were plugged on  
April 13, 1981 and proper abandonment and reclamation activities have  
been carried out.

The following is submitted in triplicate:

- 1) Geothermal Well Completion Report for each hole which was drilled.
- 2) Lithologic logs, including hole number, location, elevation, date drilled, method used, and gamma for each hole which was drilled.
- 3) Temperature logs for each hole which was drilled.
- 4) Exhibit A indicating Method of Completion and Abandonment Procedure.

The following holes were not drilled:

672-203	672-216	672-230
672-204	672-217	672-232
672-205	672-218	672-233
672-207	672-222	672-234
672-209	672-229	672-235 ✓
672-210		

As AMAX Exploration, Inc. anticipates no further work at these well  
sites, we request that the case file be closed.

If I can be of further assistance, please contact me at your earliest  
convenience.

Sincerely,

AMAX EXPLORATION, INC.

*Carolyn J. Holtgrewe*  
Carolyn J. Holtgrewe  
Permit Assistant

CJH/bsw

## 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.

GTR-268

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File	/	/
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S.	/	
Operator	/	
Land Office	/	

1a. Type of Work Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name NA		
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 NA		
2. Name of Operator AMAX Exploration, Inc.	9. Well No. 672-235		
3. Address of Operator 7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat Wildcat		
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>2,500</u> FEET FROM THE <u>East</u> LINE AND <u>1,250</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>16</u> TWP. <u>T25S</u> RGE. <u>R19W</u> NMPM	12. County Hildago		
19. Proposed Depth 2,000'	19A. Formation Alluvium or Tertiary Volcanics	20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4,415' ground level	21A. Kind & Status Plug. Bond \$10,000 Multiple-	21B. Drilling Contractor Not known at this time	22. Approx. Date Work will start 2/15/80
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond PROPOSED CASING AND CEMENT PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
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- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
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- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY

Carl Ulvog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

2/15/80

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 AMAX Exploration, Inc.		Lease GTR-268		Well No. 672-235
Unit Letter B	Section 16	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 2,500 feet from the East line and 1,250 feet from the North line				
Ground Level Elev. 4,415'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

CERTIFICATION

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

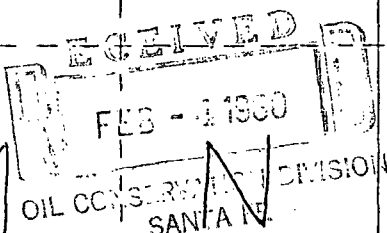
Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.

Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



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## NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.	GTR-006-1

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"/>	

7. Unit Agreement Name	NA
8. Farm or Lease Name	NA

2. Name of Operator	AMAX Exploration, Inc.
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033
4. Location of Well	UNIT LETTER <u>D</u> LOCATED <u>100</u> FEET FROM THE <u>West</u> LINE AND <u>1,150</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>17</u> TWP. <u>T2S5</u> RGE. <u>R19W</u> NMPM

9. Well No.	672-232
10. Field and Pool, or Wildcat	Wildcat

12. County	Hildago
------------	---------

19. Proposed Depth	2,000'
19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	4,245' ground level
21A. Kind & Status Plug. Bond	\$10,000 Multiple-
21B. Drilling Contractor	Not known at this time
22. Approx. Date Work will start	2/15/80

Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
UNLESS DRILLING UNDERWAY

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

ON 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.

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

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration

Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-232	
Unit Letter D	Section 17	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 100 feet from the West line and 1,150 feet from the North line					
Ground Level Elev. 4,245'	Producing Formation NA		Pool NA		Dedicated Acreage: NA Acres

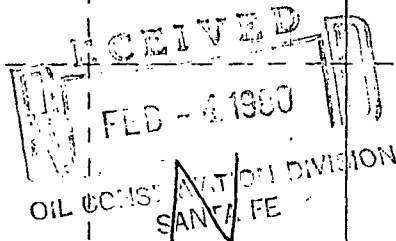
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA
3. If more than one lease of different ownership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

D	C	B	A
E	F	G	H
L	K	J	I
M		O	P



CERTIFICATION

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

*William M. Dolan*

Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.

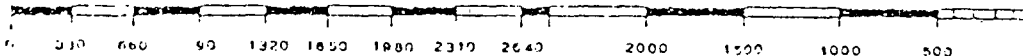
Date  
January 28, 1980

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  
NA

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.





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NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

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"/>
2. Name of Operator	AMAX Exploration, Inc.		
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033		
4. Location of Well	UNIT LETTER <u>A</u> LOCATED <u>100</u> FEET FROM THE <u>East</u> LINE		
AND <u>1,090</u> FEET FROM THE NorthLINE OF SEC. <u>17</u> TWP. <u>T25S</u> RGE. <u>R19W</u> NMPM			

7. Unit Agreement Name
NA
8. Farm or Lease Name
NA
9. Well No.
672-234
10. Field and Pool, or Wildcat
Wildcat
12. County
Hildago

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4,345' ground level	\$10,000 Multiple-	known at this time	2/15/80
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond			
PROPOSED CASING AND CEMENT PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

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 prevention program, if any.

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

Signature: William M. Dolan Title: Manager, Geothermal Exploration Date: January 28, 1980  
(This space for State Use)

APPROVED BY: Carl Ulvog TITLE: SENIOR PETROLEUM GEOLOGIST DATE: 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-234
Unit Letter A	Section 17	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 100 feet from the East line and 1,090 feet from the North line				
Ground Level Elev. 4,345'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	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 Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.

Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

## NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

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U.S.	1
Operator	1
Land Office	1

5. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE [
5.a State Lease No.	
GTR-006-1	

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA
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	NA
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-233
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat
4. Location of Well	UNIT LETTER C LOCATED 2,550 FEET FROM THE West LINE AND 1,090 FEET FROM THE NorthLINE OF SEC. 17 TWP. T25S RGE. R19W NMPM	12. County	Hildago

19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics	20. Rotary or C.T.	Rotary		
21. Elevations (Show whether DF, RT, etc.)	4,290' ground level	21A. Kind & Status Plug. Bond	\$10,000 Multiple-	21B. Drilling Contractor	Not known at this time	22. Approx. Date Work will start	2/15/80

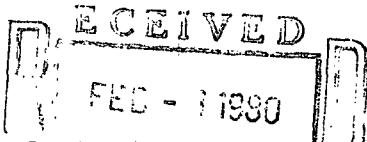
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5/14/80  
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 prevention program, if any.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
Signature: William M. Dolan Title: Manager, Geothermal Exploration Date: January 28, 1980

(This space for State Use)

APPROVED BY: Carl Ulvog TITLE: SENIOR PETROLEUM GEOLOGIST DATE: 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-233	
Section Letter C	Section 17	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 2,550 feet from the West line and 1,090 feet from the North line					
Ground Level Elev. 4,290'	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.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

RECEIVED  
FEB - 1980  
OIL CONSERVATION DIVISION  
SANTA FE

CERTIFICATION

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

*William M. Dolan*

Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000



EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

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

January 13, 1978

CERTIFIED MAIL #125901  
RETURN RECEIPT REQUESTED

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

Re: Notice of Completion and Abandonment of Geothermal Temperature  
Observation Wells in Hidalgo County, New Mexico.

Dear Mr. Ulvog:

Thank you for your letter dated September 26, 1977 calling our  
attention to the discrepancies in my letter to you dated September 8, 1977.  
That letter is hereby corrected to read:

The following wells were drilled:

T-126, T-127, T-128, T-130, T-131, T-133, T-134,  
T-135, and T-136.

Please note that the following holes were not drilled:

T-125, T-129 and T-132.

I am enclosing "Sundry Notices and Reports on Geothermal Resources  
Wells" (Form G-103) for well numbers T-128, T-133 and T-134.

If I can be of further assistance, please advise.

Sincerely,

Larry Hall  
Geothermal Property Manager

LH/c  
Encl.

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

APR 11 1977 Form G-101

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

5A. Indicate Type of Lease	STATE <input type="checkbox"/> FEDERAL <input checked="" type="checkbox"/>
5. State Lease No.	NA
7. Unit Agreement Name	NA
8. Farm or Lease Name	Green
9. Well No.	T-132
10. Field and Pool, or Wildcat	NA
12. County	Hidalgo

a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>
b. Type of Well	Geothermal Producer <input type="checkbox"/> Temp Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> 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>D</u> LOCATED <u>1000'</u> FEET FROM THE <u>north</u> LINE <u>1300'</u> FEET FROM THE <u>west</u> LINE OF SEC. <u>18</u> TWP. <u>25S</u> RGE. <u>19W</u> NMPM
1. Elevation: (Show whether DL, RT, etc.)	4195'
21A. Kind & Status Plug. Bond	multiple
19. Proposed Depth	500 feet
19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.	rotary
21B. Drilling Contractor	Southwest Drilling & Exploration, Inc.
22. Approx. Date Work will start	April 18, 1977

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 aquifers. Upon conclusion of temperature observation period well is to be plugged with cement from surface to ten feet of depth or greater.

*not drilled*

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED.

EXPIRES 7/11/77

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE FLOWOUT PREVENTER PROGRAM, IF ANY.

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

Harry J. Olson Title Managing Geologist, Date April 6, 1977  
Geothermal Exploration

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/11/77  
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.		Locality Green		Well No. T-132	
Unit Entry NA	Section 18	Township 25S	Range 19W	County Hidalgo	
Actual Footage Location of Well: 1000' feet from the north line and 1300' feet from the west line					
Ground Level Elev. 4195'	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.

Green Property

## CERTIFICATION

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

Name

Harry J. Olson

Position Managing Geologist,  
Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

April 6, 1977

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.

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NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK--GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA		
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"/>	8. Farm or Lease Name	NA		
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-218		
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat		
4. Location of Well	UNIT LETTER <u>N</u> LOCATED <u>2,475</u> FEET FROM THE <u>West</u> LINE AND <u>150</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>18</u> TWP. <u>T25S</u> RGE. <u>R19W</u> NMPM	12. County	Hildago		
19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics		
20. Rotary or C.T.	Rotary	21. Elevations (Show whether DF, RT, etc.)	4,230' ground level		
21A. Kind & Status Plug. Bond	\$10,000 Multiple-	21B. Drilling Contractor	Not known at this time		
22. Approx. Date Work will start	2/15/80	Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond PROPOSED CASING AND CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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 prevention program, if any.

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

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80

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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-218	
Unit Letter N	Section 18	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 2,475 feet from the West line and 150 feet from the South line					
Ground Level Elev. 4,230'	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.

D	C	B	A
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L	J	I	
M	N	O	P

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FLD - 41300  
OIL CONSERVATION COMMISSION  
SANTA FE

## 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 Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 2640 2800 3000 3200 3400 3600 3800 4000 4200 4400 4600 4800 5000

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NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA
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	NA
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-229
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat
4. Location of Well	UNIT LETTER <u>F</u> LOCATED <u>1,550</u> FEET FROM THE <u>West</u> LINE AND <u>1,450</u> FEET FROM THE North LINE OF SEC. 18 TWP. T25S RGE. R19W NMPM	12. County	Hildago
19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.	Rotary	21. Elevations (Show whether DF, RT, etc.)	4,195' ground level
21A. Kind & Status Plug. Bond	\$10,000 Multiple-	21B. Drilling Contractor	Not known at this time
22. Approx. Date Work will start	2/15/80	Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
- (2) Run 7" casing
- (3) Cement 7" casing to surface
- (4) Drill 6 1/4" hole to 2,000'
- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
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.

William McDaniel, Attorney-in-fact  
Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80  
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 AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-229
Unit Letter F	Section 18	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 1,550 feet from the West line and 1,450 feet from the North line				
Ground Level Elev. 4,195'	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.

D	C	B	A
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L	K	J	I
M	N	O	P

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SANTA FE

## 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 Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

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

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

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

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Operator	1
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APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK--GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5.a State Lease No.
GTR-006-1

1a. Type of Work	Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	7. Unit Agreement Name	NA
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	NA
2. Name of Operator	AMAX Exploration, Inc.	9. Well No.	672-230
3. Address of Operator	7100 W. 44th Avenue - Wheat Ridge, Colorado 80033	10. Field and Pool, or Wildcat	Wildcat
4. Location of Well	UNIT LETTER <u>G</u> LOCATED <u>2,300</u> FEET FROM THE <u>East</u> LINE AND <u>1,425</u> FEET FROM THE North LINE OF SEC. 18 TWP. T25S RGE. R19W NMPM	12. County	Hildago

19. Proposed Depth	2,000'	19A. Formation	Alluvium or Tertiary Volcanics	20. Rotary or C.T.	Rotary		
21. Elevations (Show whether DF, RT, etc.)	4,220' ground level	21A. Kind & Status Plug. Bond	\$10,000 Multiple-	21B. Drilling Contractor	Not known at this time	22. Approx. Date Work will start	2/15/80

Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

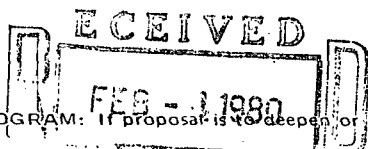
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
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- (3) Cement 7" casing to surface
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- (5) Run 1 1/4" steel pipe to 2,000'
- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

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

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-80  
UNLESS DRILLING UNDERWAY



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: William M. Dolan Title: Manager, Geothermal Exploration Date: January 28, 1980

(This space for State Use)

APPROVED BY: Carl Ulvog TITLE: SENIOR PETROLEUM GEOLOGIST DATE: 2/15/80

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 AMAX Exploration, Inc.			Lease GTR-006-1		Well No. 672-230
Unit Letter G	Section 18	Township T25S	Range R19W	County Hildago	
Actual Footage Location of Well: 2,300 feet from the East line and 1,425 feet from the North line					
Ground Level Elev. 4,220'	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.

D	C	B	A
E	F	G	H
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M	N	O	P

## CERTIFICATION

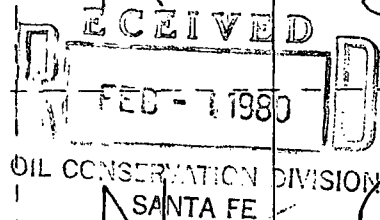
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.



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Operator	/
Land Office	/

## 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. NA

AMAX Lease No. 672-3013

1a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐b. Type of Well Geothermal Producer ☐ Temp Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐7. Unit Agreement Name  
NA8. Farm or Lease Name  
NA

2. Name of Operator

AMAX Exploration, Inc.

9. Well No.

672-217

3. Address of Operator

7100 W. 44th Avenue - Wheat Ridge, Colorado 80033

10. Field and Pool, or Wildcat  
Wildcat4. Location of Well UNIT LETTER P LOCATED 175 FEET FROM THE East LINEAND 100 FEET FROM THE South LINE OF SEC. 18 TWP. T25S RGE. R19W NMPM12. County  
Hildago

19. Proposed Depth

2,000'

19A. Formation

Alluvium or  
Tertiary Volcanics

20. Rotary or C.T.

Rotary

21. Elevations (Show whether DF, RT, etc.)

4,205' ground level

21A. Kind &amp; Status Plug. Bond

\$10,000 Multiple-

21B. Drilling Contractor

known at this time

22. Approx. Date Work will start

2/15/80

Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond  
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
*9 7/8"	7"	17 pound	200'	40	Surface
*6 1/4"	1-1/4"	steel pipe	2,000'	3	

\*Hole sizes will not exceed this diameter, but may be smaller depending on bit size availability

- (1) Drill 9 7/8" hole to 200'
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- (6) Cement the top 10' of the 1 1/4" pipe
- (7) Fill the 1 1/4" pipe with water
- (8) Measure temperature of hole

APPROVAL VALID FOR 90 DAYS  
PERMIT EXPIRES 5-14-90  
UNLESS DRILLING UNDERWAYOIL CONSERVATION COMMISSION TO BE NOTIFIED  
WITHIN 24 HOURS OF BEGINNING OPERATIONSRECEIVED  
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OIL CONSERVATION COMMISSION

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.

William M. Dolan

Attorney-in-fact

Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY

Carl Ulvog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

2/15/80

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 AMAX Exploration, Inc.		Lease NA (AMAX Fee Lease No. 672-3013)		Well No. 672-217
Unit Letter P	Section 18	Township T25S	Range R19W	County Hildago
Actual Footage Location of Well: 175 feet from the East line and 100 feet from the South line				
Ground Level Elev. 4,205'	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
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☐ 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.) \_\_\_\_\_

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D	C	B	A
E	F	G	H
L	K	J	I
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RECEIVED  
FEB - 1980  
OIL CONSERVATION DIVISION  
SANTA FE

CERTIFICATION

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Name  
William M. Dolan  
Position Attorney-in-fact  
Manager, Geothermal Exploration  
Company  
AMAX Exploration, Inc.  
Date  
January 28, 1980

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  
NA  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

