

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**

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MAY 27 1981
OIL CONSERVATION DIVISION
SANTA FE

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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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-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
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

9. Well No.
672-203
10. Field and Pool, or Wildcat
Wildcat

4. Location of Well UNIT LETTER D LOCATED 150 FEET FROM THE West LINE
AND 150 FEET FROM THE NorthLINE OF SEC. 5 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.)
4,240' 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 SURFACE
*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

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OIL CONSERVATION DIVISION
SANTA FE

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-006-1		Well No. 672-203
Unit Letter D	Section 5	Township T25S	Range R19W	County Hildago

Actual Footage Location of Well:

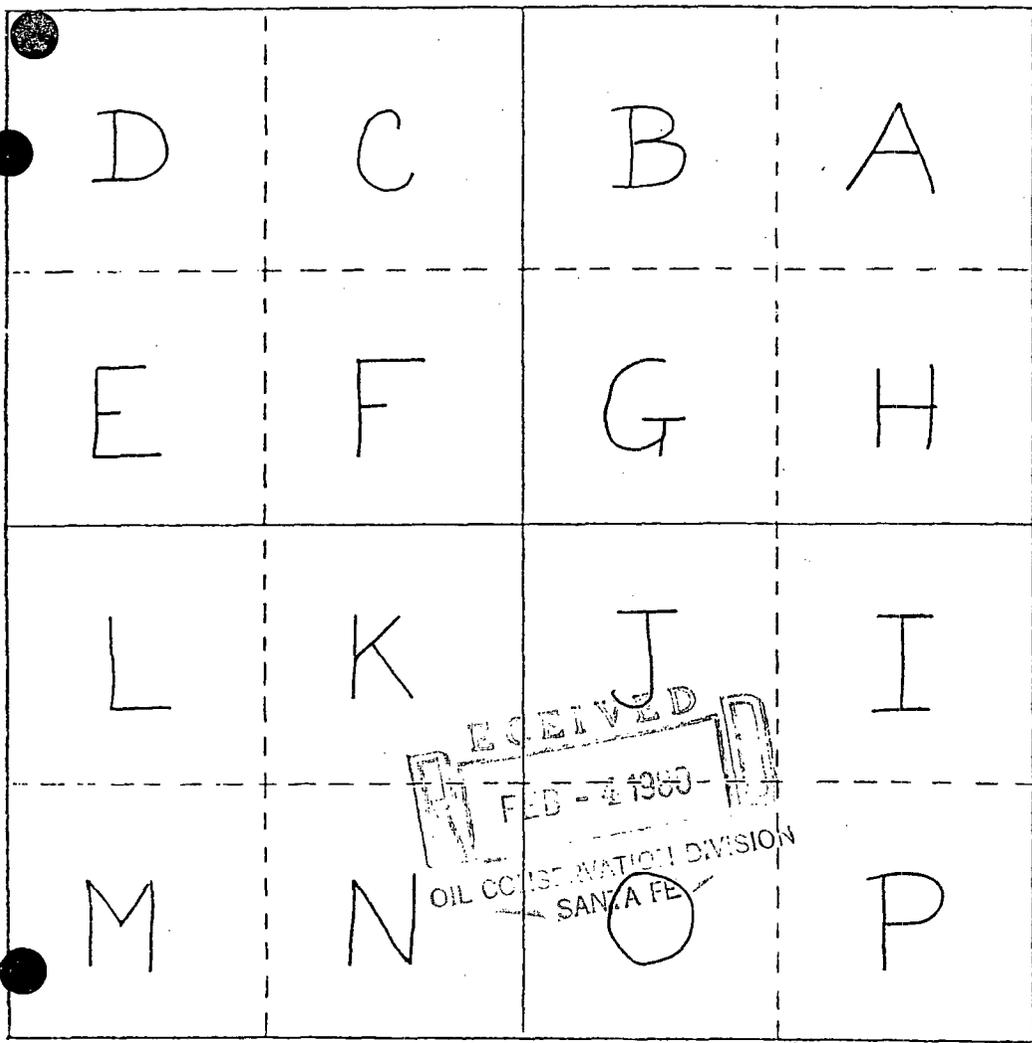
150 feet from the West line and 150 feet from the North line

Ground Level Elev. 4,240'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres
------------------------------	---------------------------	------------	--------------------------------

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.



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 SANTA FE

CERTIFICATION

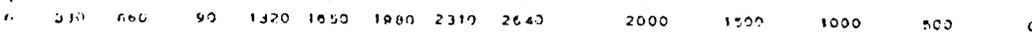
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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 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-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
NA
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 L LOCATED 100 FEET FROM THE West LINE
AND 2,450 FEET FROM THE South LINE OF SEC. 5 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.) 4,225' 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

RECEIVED
FEB - 4 1980
OIL CONSERVATION DIVISION
SANTA FE

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

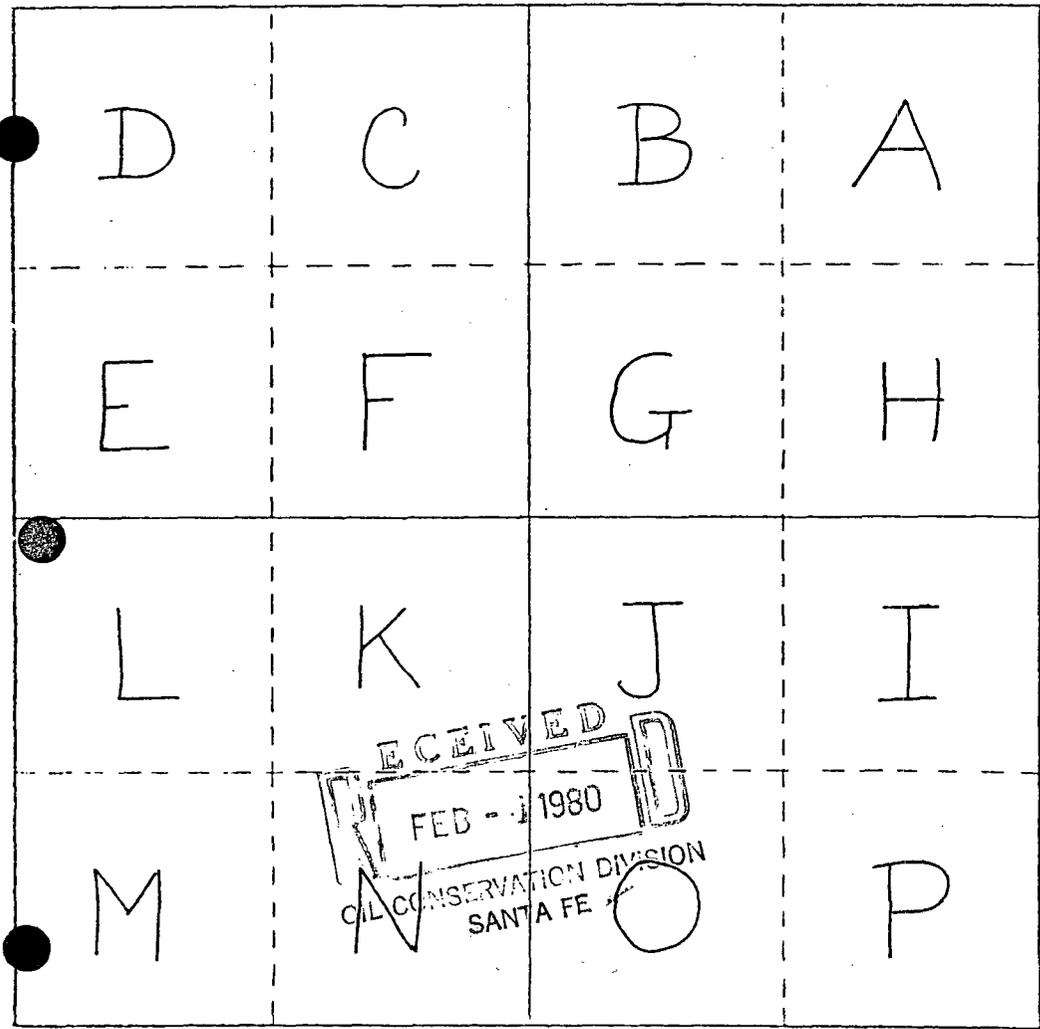
Actual Footage Location of Well:
100 feet from the West line and 2,450 feet from the South line

Ground Level Elev. 4,225'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres
------------------------------	---------------------------	------------	--------------------------------

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



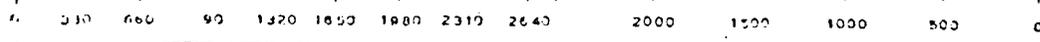
CERTIFICATION

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

[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. _____



JAN 17 1978
OIL CONSERVATION COMMISSION

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.

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

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

7A. Indicate Type of Lease
 STATE FEDERAL
 STATE Lease No. NA

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

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

Name of Operator AMAX Exploration, Inc.

9. Well No. T-129

Address of Operator 4704 Harlan Street, Denver, Colorado 80212

10. Field and Pool, or Wildcat NA

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

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

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.

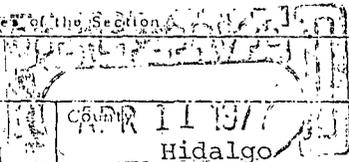
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
 Harry Olson Managing Geologist, Geothermal Exploration Date April 6, 1977
 (This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/11/77

CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

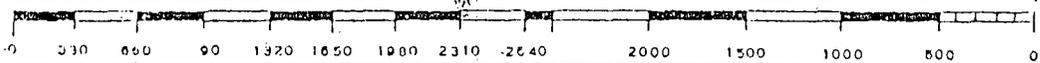
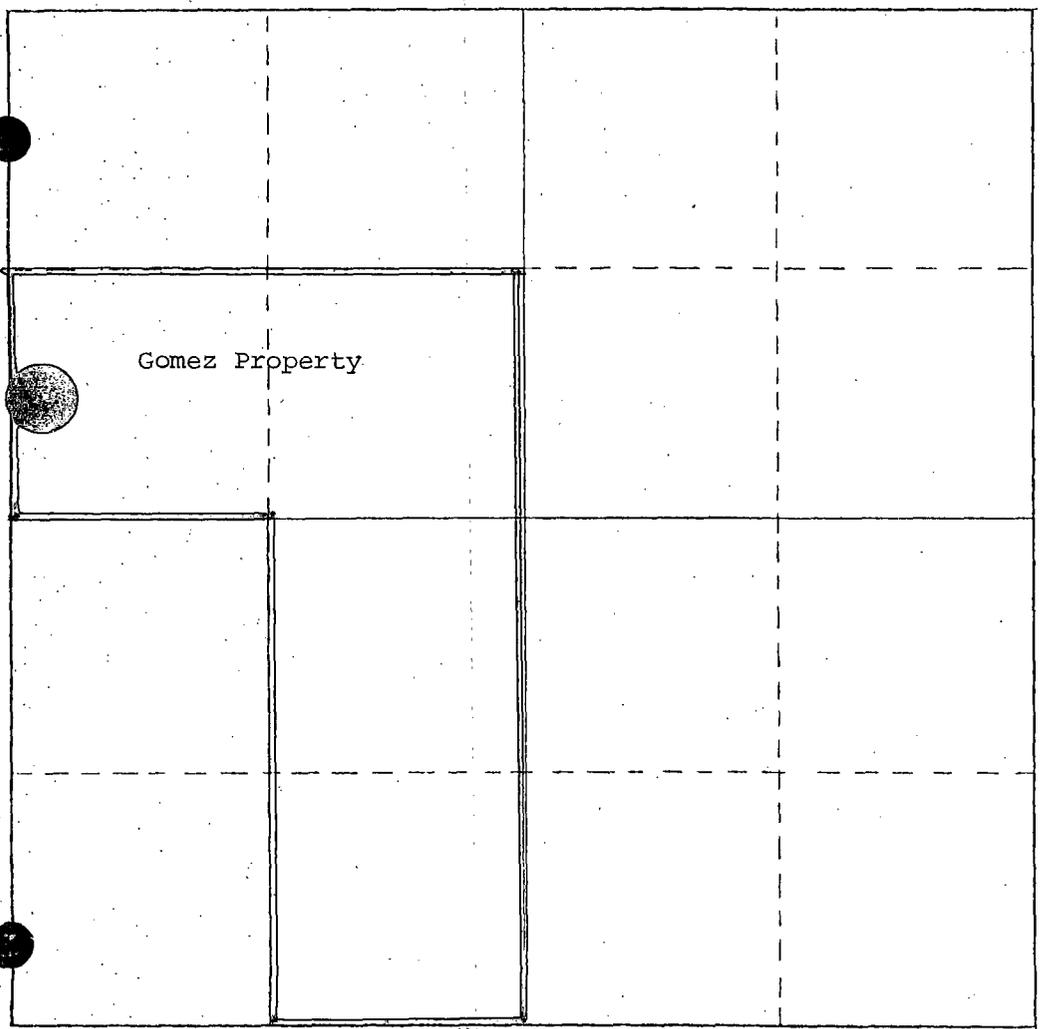
All distances must be from the outer boundaries of the Section

Operator AMAX Exploration, Inc.		County Gomez		Well No. T-129	
Unit Letter NA	Section 7	Township 25S	Range 19W		
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		

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

Harry J. Olson
 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 Surveyer: _____

Certificate No.: _____

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S.S.	/	
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.
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
NA
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 J LOCATED 2,300 FEET FROM THE East LINE
AND 2,475 FEET FROM THE South LINE OF SEC. 8 TWP. T25S RGE. R19W NMPM

12. County
Hildago

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	19. Proposed Depth 2,000'	19A. Formation Alluvium or Tertiary Volcanics	20. Rotary or C.T. Rotary	22. Approx. Date Work will start 2/15/80
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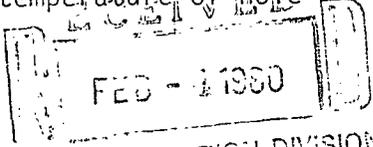
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond
PROPOSED CASING AND CEMENT PROGRAM

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
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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. SANTA FE

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

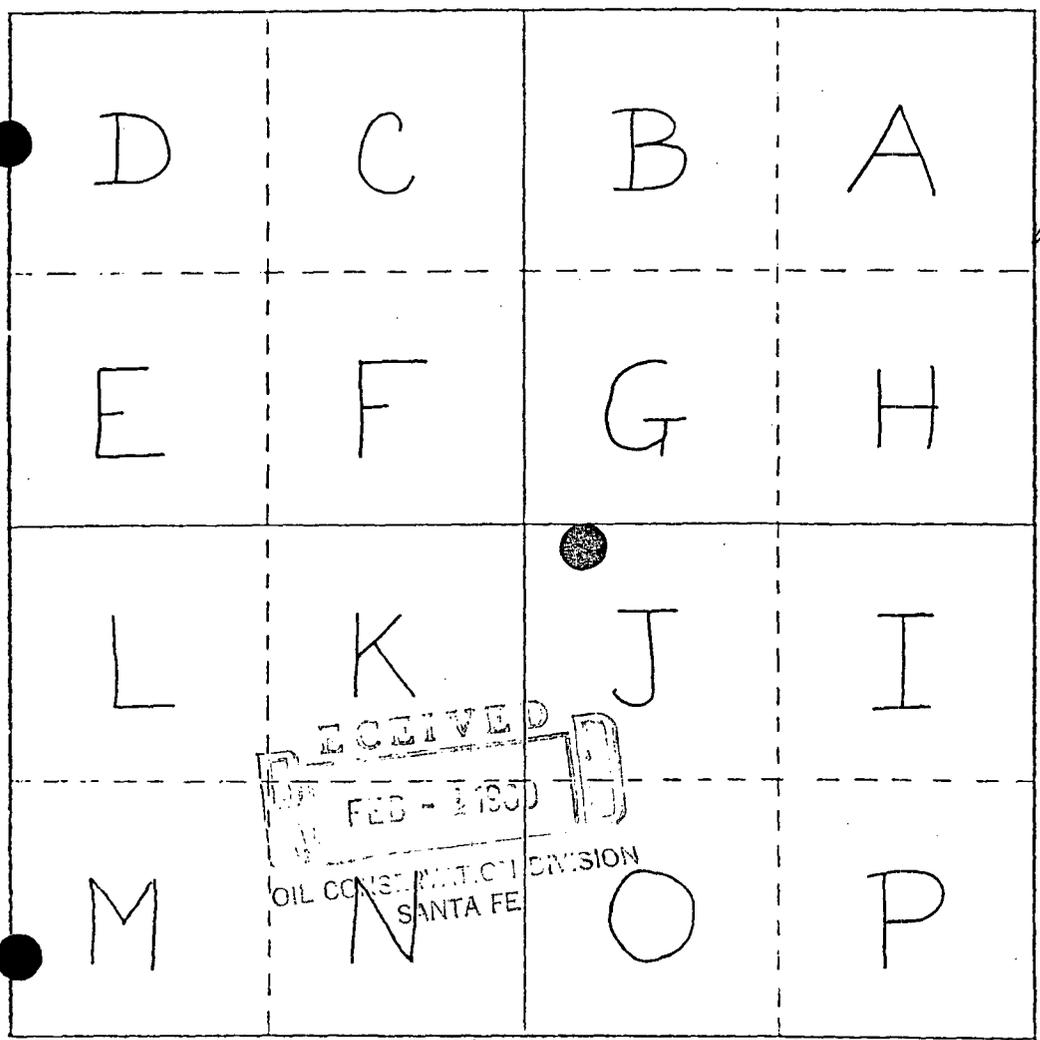
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-210
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 ownersip 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.) _____

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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.

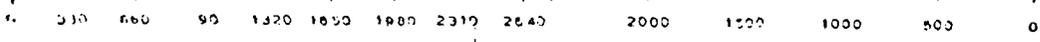
Date
January 28, 1980

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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C.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 FEE
5.a State Lease No.
GTR-111

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

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

9. Well No.
672-209
10. Field and Pool, or Wildcat
Wildcat

4. Location of Well UNIT LETTER L LOCATED 150 FEET FROM THE West LINE
AND 2,700 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

- (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

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SANTA FE

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 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
Carl Helweg Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Helweg TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80
CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

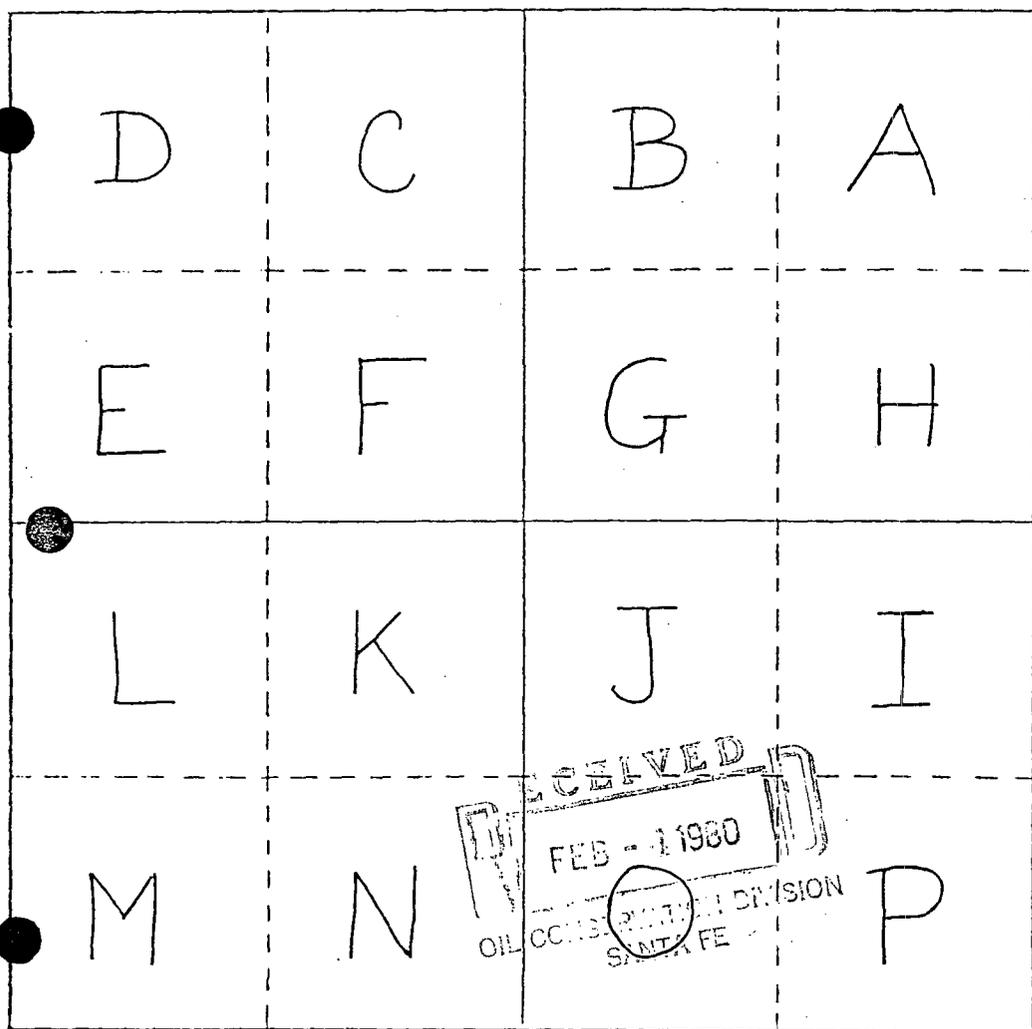
All distances must be from the outer boundaries of the Section.

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	

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

[Signature]

Name
William M. Dolan

Position
Attorney-in-fact
Manager, Geothermal Exploration

Company
AMAX Exploration, Inc.

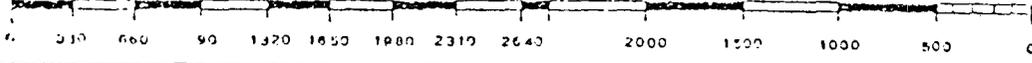
Date
January 28, 1980

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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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-006-1

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

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 A LOCATED 200 FEET FROM THE East LINE
AND 75 FEET FROM THE North LINE OF SEC. 8 TWP. T25S RGE. R19W NMPM

7. Unit Agreement Name
NA

8. Farm or Lease Name
NA

9. Well No.
672-207

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.)
4,285' 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

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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:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

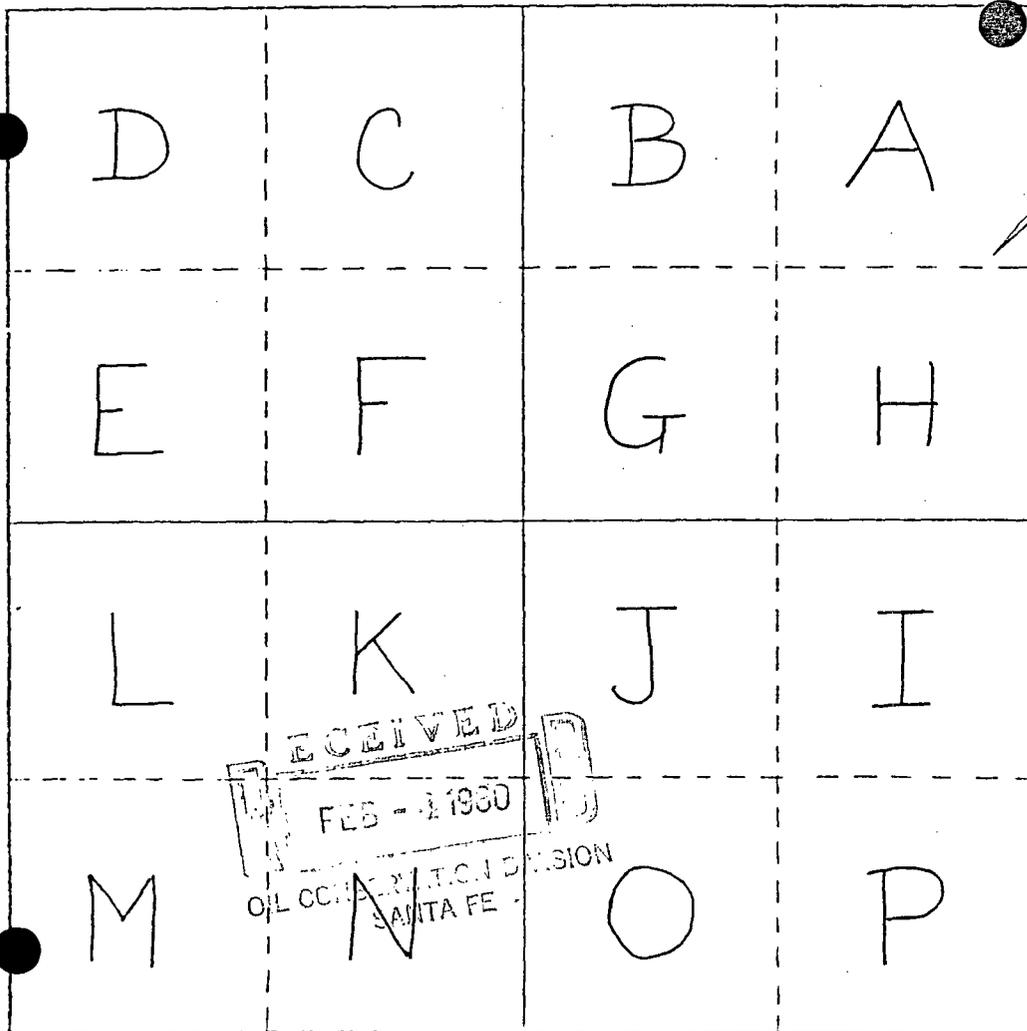
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-207	
Tract 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	

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

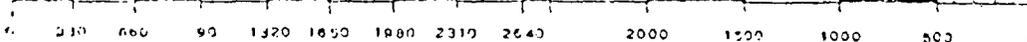
[Handwritten Signature]

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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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-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
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

9. Well No.
672-205
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

- (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

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

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. DoVan Title: Manager, Geothermal Exploration Date: January 28, 1980
Attorney-in-fact

(This space for State Use)

APPROVED BY Carl Ullvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

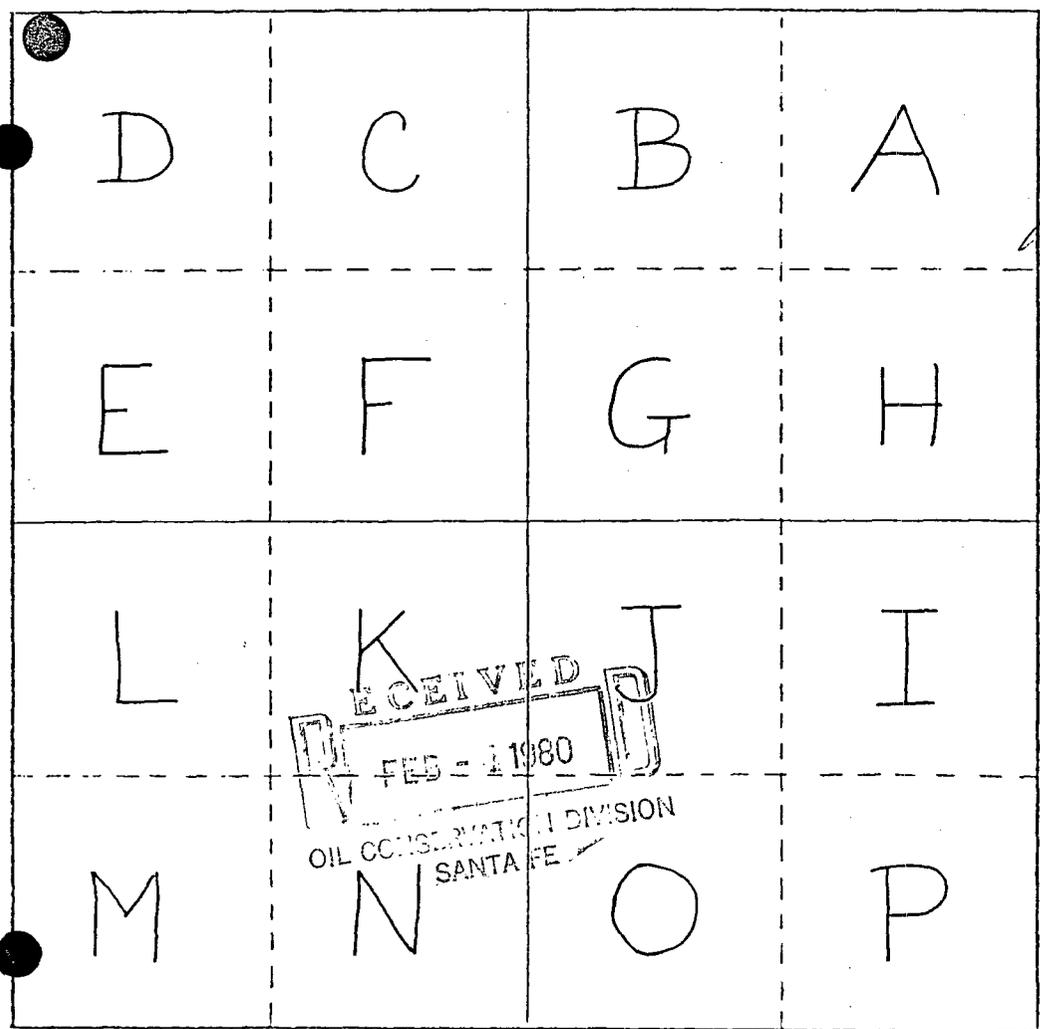
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-205
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	

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

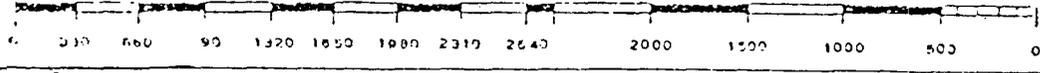
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[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 2088, Santa Fe 87501

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N.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 FEE
5.a State Lease No. NA - AMAX
Leases 672-3016,17,18

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
NA
8. Farm or Lease Name
NA

2. Name of Operator
AMAX Exploration, Inc.

9. Well No.
672-222

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 F LOCATED 2,300 FEET FROM THE East LINE
AND 1,475 FEET FROM THE Northline OF SEC. 13 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
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP SURFACE
*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
Carl Ullvog Title Manager, Geothermal Exploration Date January 28, 1980

(This space for State Use)

APPROVED BY Carl Ullvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80
CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

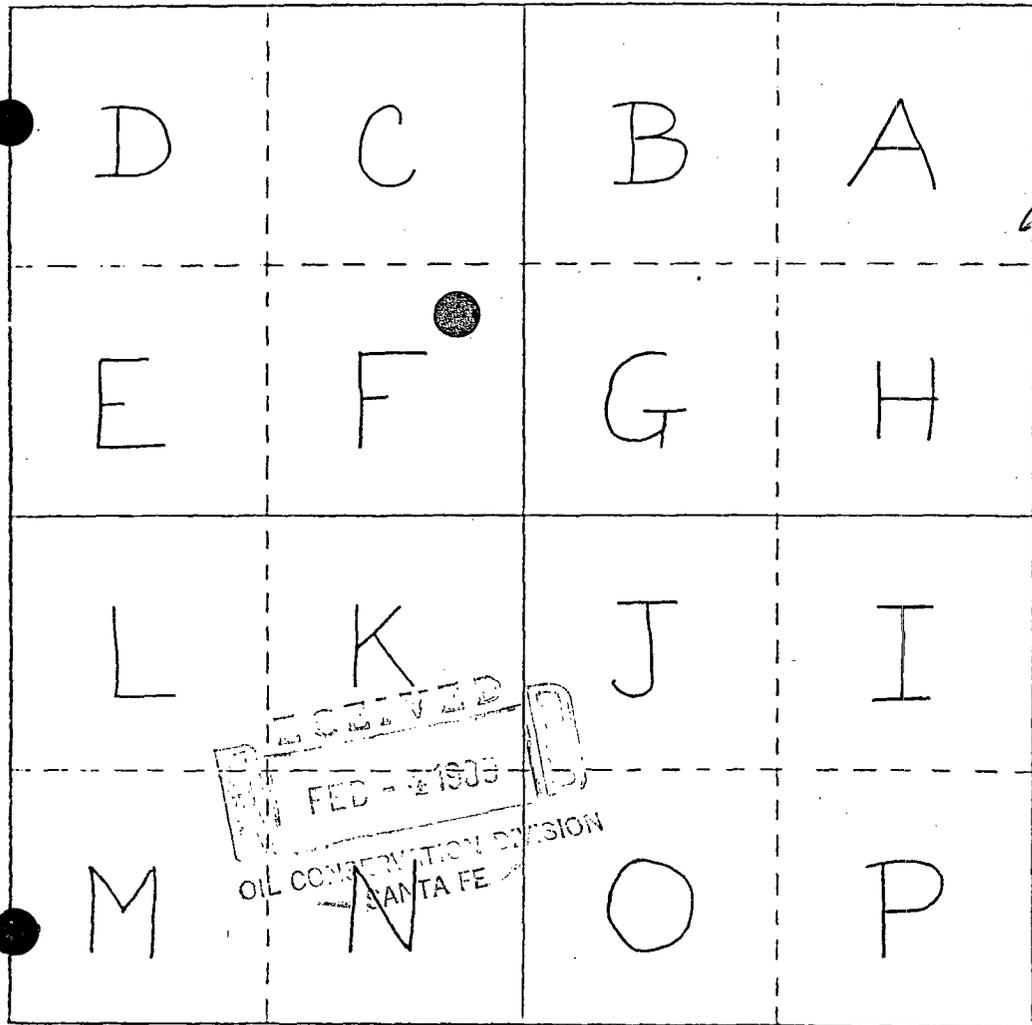
All distances must be from the outer boundaries of the Section.

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	

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

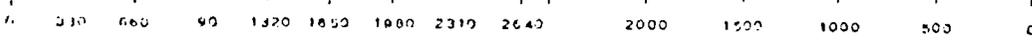
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[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.



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

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Operator	/	
Land Office	/	

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

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
NA

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 B LOCATED 2,500 FEET FROM THE East LINE
AND 1,250 FEET FROM THE North LINE OF SEC. 16 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.)
4,415' 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
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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

RECEIVED
FEB - 1980

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 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

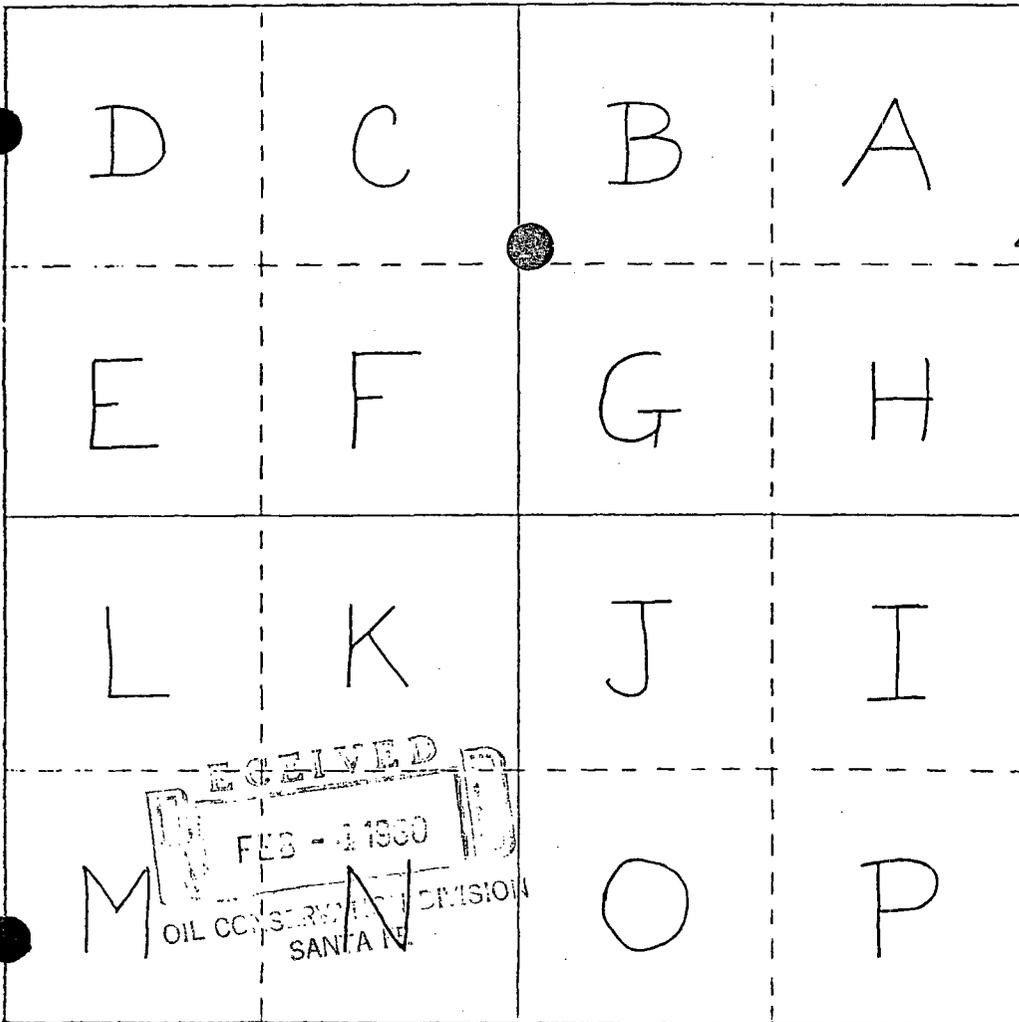
All distances must be from the outer boundaries of the Section.

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	

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

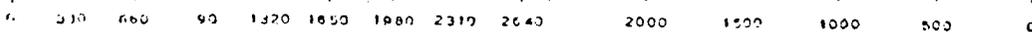
[Signature]

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

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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 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
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

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

4. Location of Well UNIT LETTER D LOCATED 100 FEET FROM THE West LINE
AND 1,150 FEET FROM THE North LINE 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.) 4,245' 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

RECEIVED
FEB - 2 1980

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

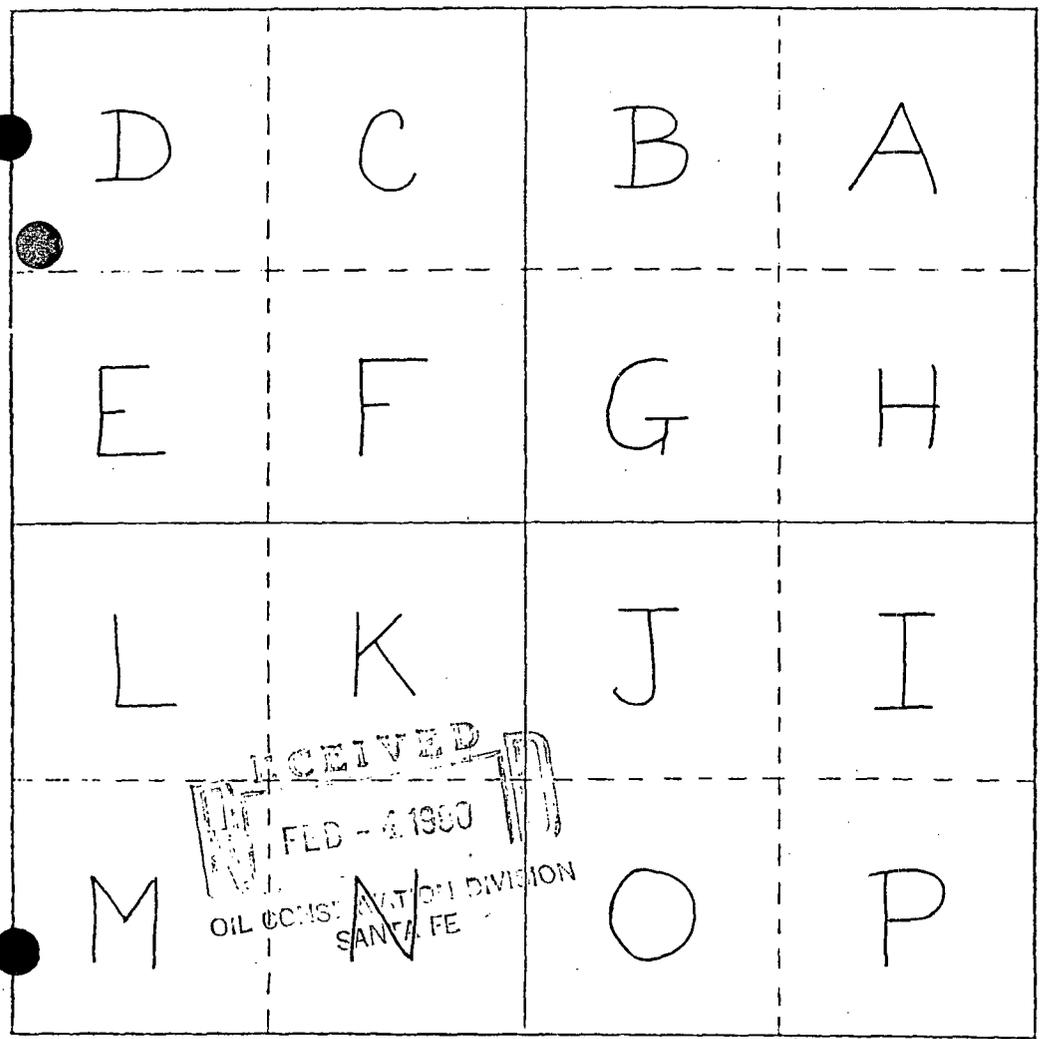
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-232	
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

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



RECEIVED
FEB - 4 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.

[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.

NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	1	✓
N.M.B.M.	1	
U.S.	1	
Operator	1	
Land Office	1	

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-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
NA
8. Farm or Lease Name
NA

2. Name of Operator
AMAX Exploration, Inc.

9. Well No.
672-234

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 A LOCATED 100 FEET FROM THE East 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.) 4,345' 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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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
Carl Ulvog 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

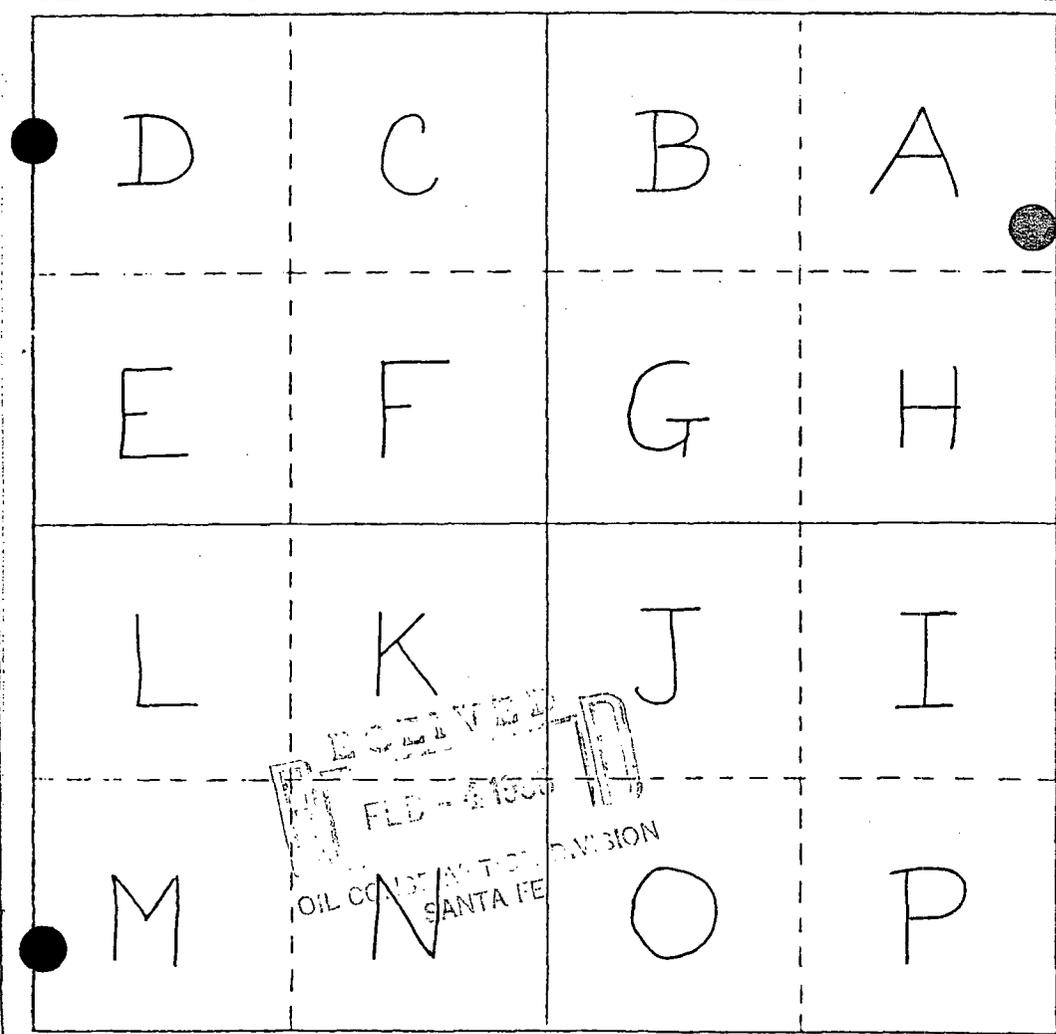
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-234
Tract 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	

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

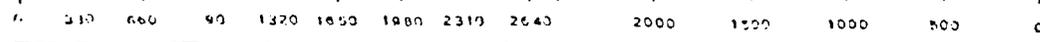
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[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 2088, Santa Fe 87501

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U.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 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
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 C LOCATED 2,550 FEET FROM THE West LINE
AND 1,090 FEET FROM THE NorthLINE OF SEC. 17 TWP. T25S RGE. R19W NMPM

7. Unit Agreement Name
NA
8. Farm or Lease Name
NA
9. Well No.
672-233
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.) 4,290' 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
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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	

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

RECEIVED
FEB - 11 1980

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

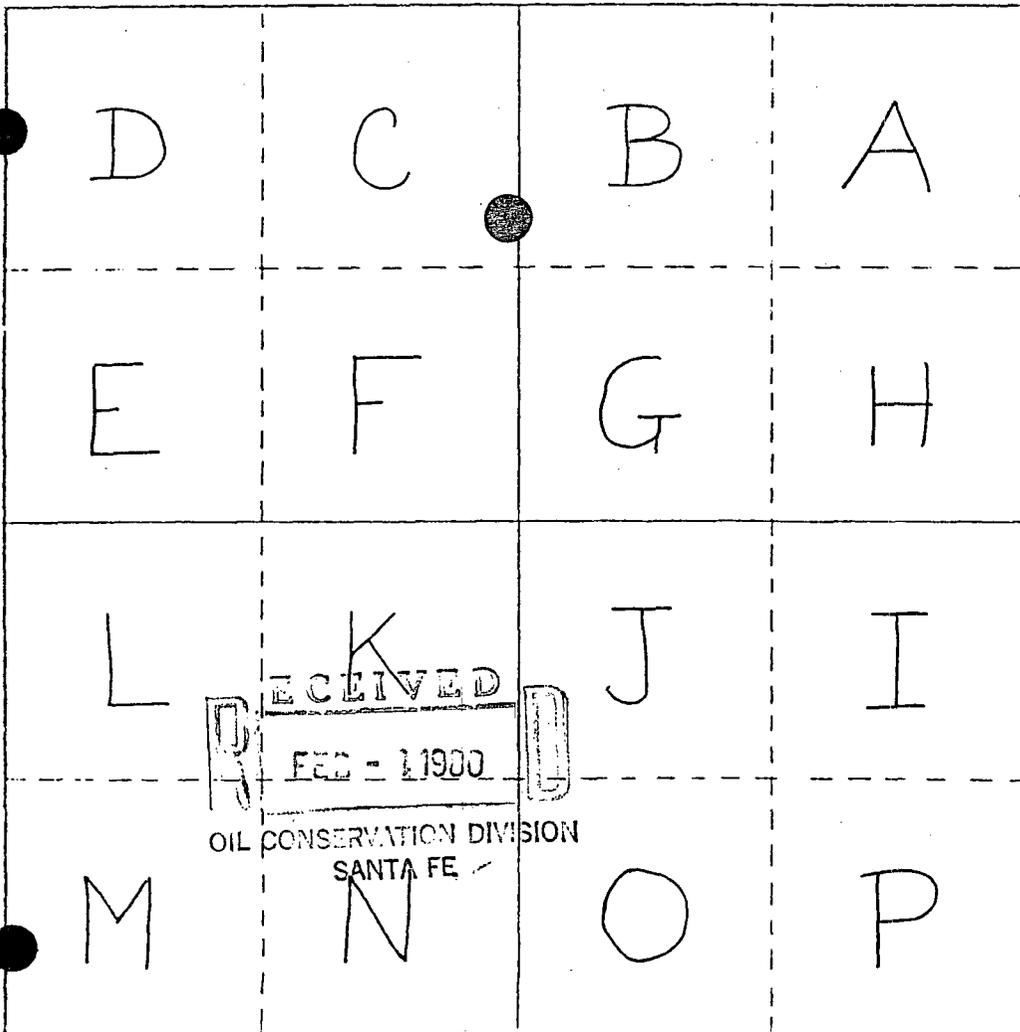
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-233	
Grid 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.) _____

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CERTIFICATION

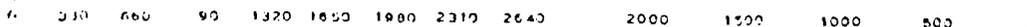
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

[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.



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.

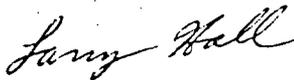
Please note that the following holes were not drilled:

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.

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

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

BLM 1

5A. Annotated Type of Lease	STATE <input type="checkbox"/> REG <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

19. Proposed Depth	500 feet	19A. Formation	Alluvium or Tertiary Volcanics	20. Rotary or C.T.	rotary
21. Kind & Status Plug. Bond	multiple	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 PRODUCTIVE 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:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

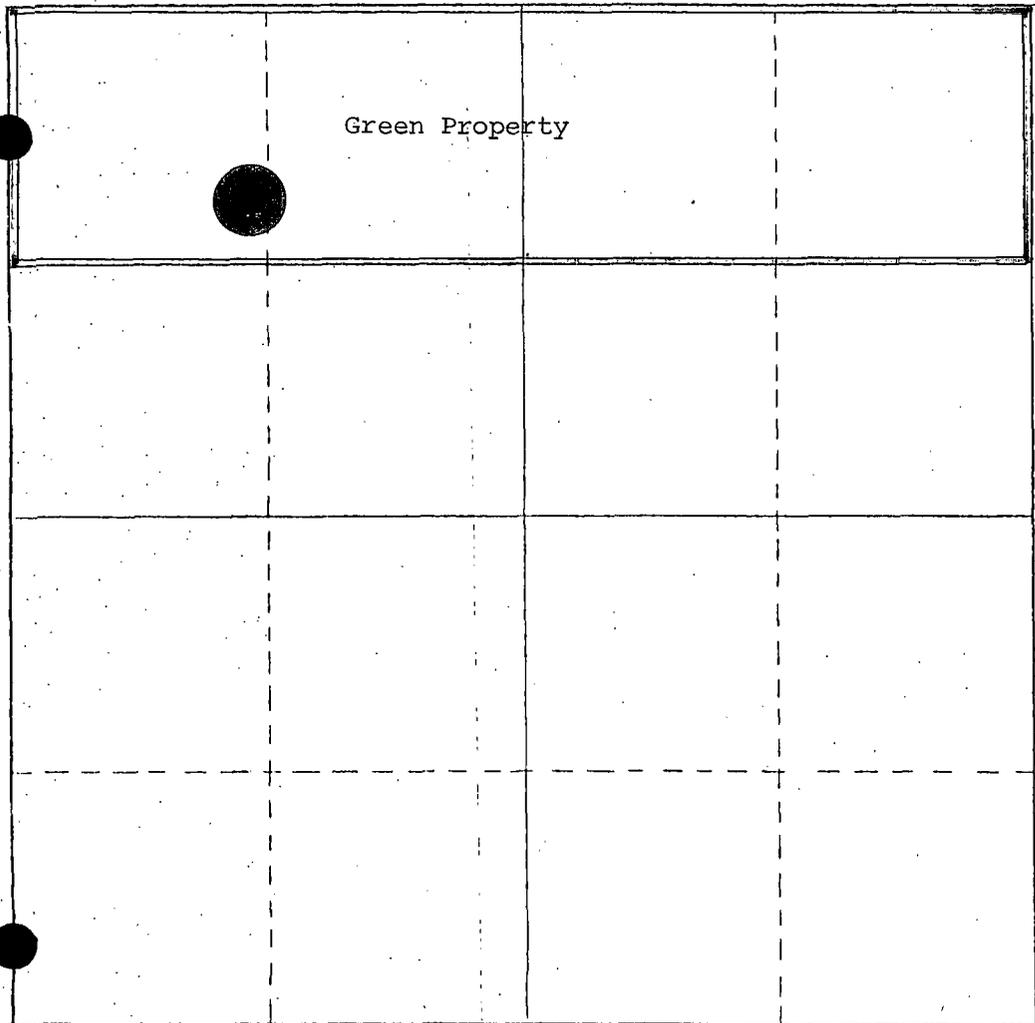
Operator AMAX Exploration, Inc.		Locality Green		Well No. T-132
Unit Letter NA	Section 18	Township 25S	Range 19W	County Hidalgo

Actual Surface 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

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

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CERTIFICATION

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

Harry J. Olson
 Name **Harry J. Olson**

Position **Managing Geologist, Geothermal Exploration**

Company **AMAX Exploration, Inc.**

Date **April 6, 1977**

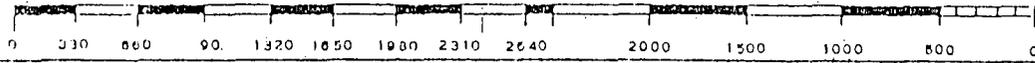
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

NA

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyer _____

Certificate No. _____



NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	1	✓
N.M.B.M.	1	
U.S.	1	
Operator	1	
Land Office	1	

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

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5.a State Lease No.
GTR-006-1

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

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

9. Well No.
672-218
10. Field and Pool, or Wildcat
Wildcat

4. Location of Well UNIT LETTER N LOCATED 2,475 FEET FROM THE West LINE
AND 150 FEET FROM THE South 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.) 4,230' 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
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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. Doan Attorney-in-fact
[Signature] 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	

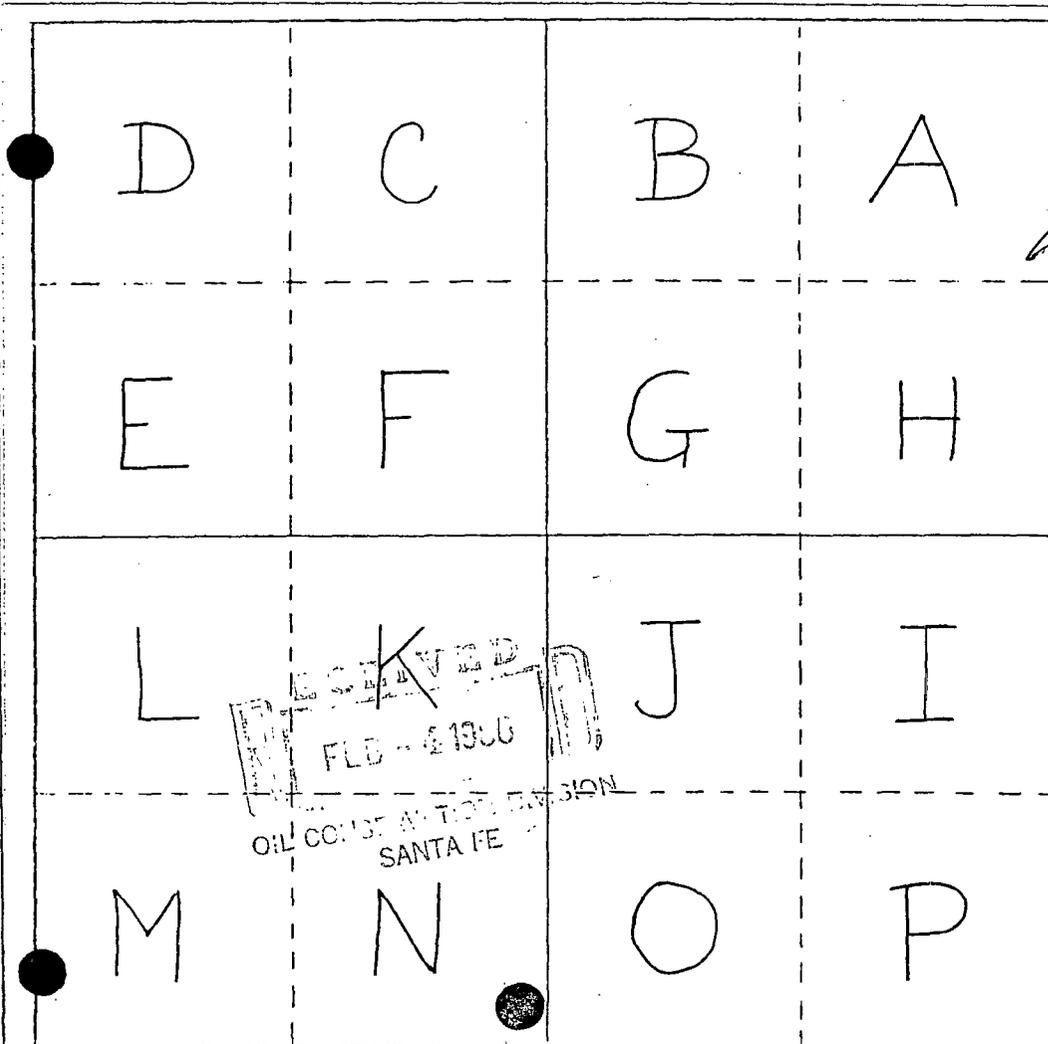
Actual Footage Location of Well:
 2,475 feet from the West line and 150 feet from the South line

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 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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RECEIVED
 FILED - 21300
 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.

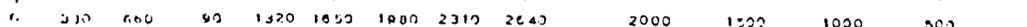
William M. Dolan

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. _____



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

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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-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
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

9. Well No.
672-229
10. Field and Pool, or Wildcat
Wildcat

4. Location of Well UNIT LETTER F LOCATED 1,550 FEET FROM THE West LINE
AND 1,450 FEET FROM THE North LINE OF SEC. 18 TWP. T25S RGE. R19W NMPM

12. County
Hildago

21. Elevations (Show whether DF, RT, etc.) 4,195' 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	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 SURFACE
*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 McOdejan, Attorney-in-fact
 Title Manager, Geothermal Exploration Date January 28, 1980

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 2/15/80
 CONDITIONS OF APPROVAL, IF ANY:

(This space for State Use)

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

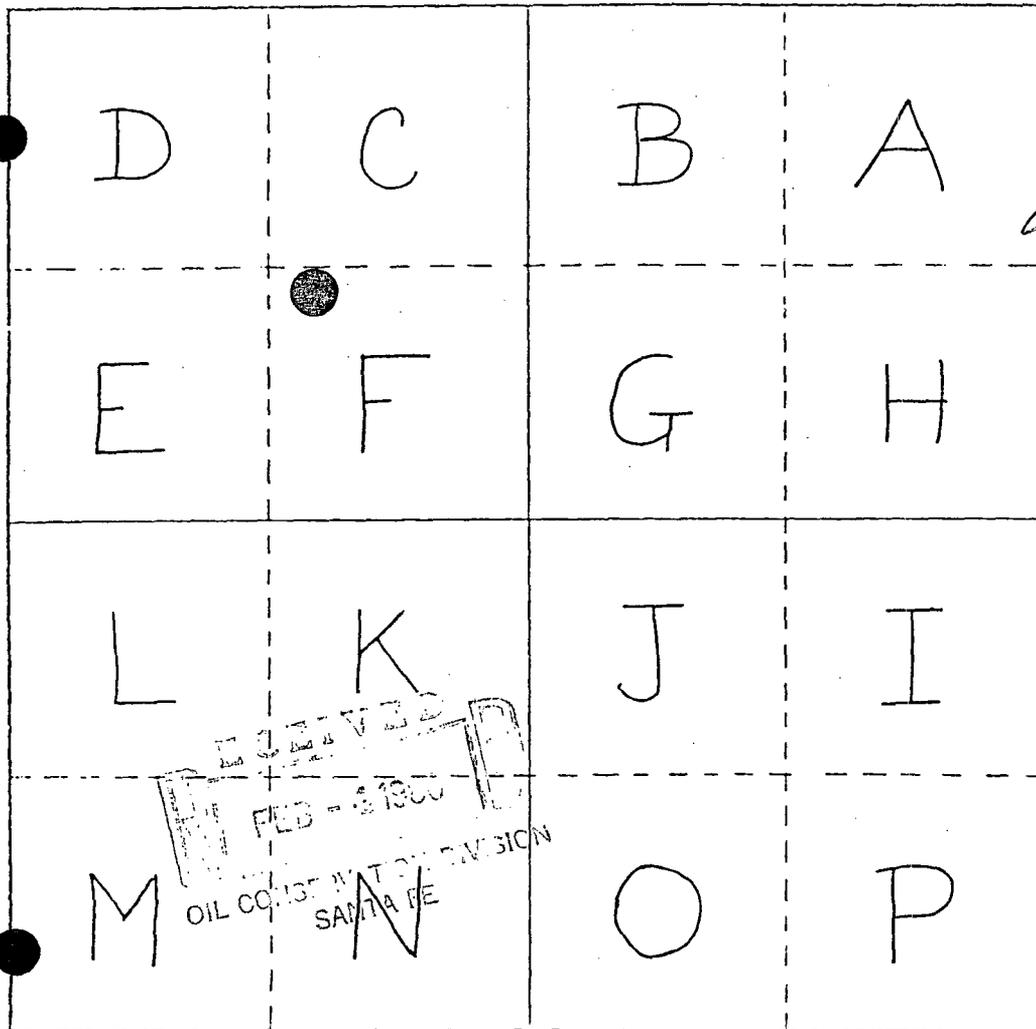
All distances must be from the outer boundaries of the Section.

Operator AMAX Exploration, Inc.		Lease GTR-006-1		Well No. 672-229	
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	

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



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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.

[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 2088, Santa Fe 87501

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U.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 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
NA
8. Farm or Lease Name
NA

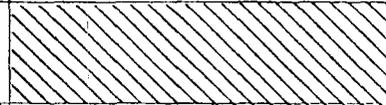
2. Name of Operator
AMAX Exploration, Inc.

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 G LOCATED 2,300 FEET FROM THE East LINE
AND 1,425 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

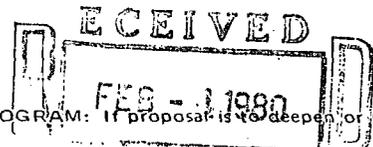
Well Geothermal Exploratory, Development, Injection, or Disposal Well Bond
PROPOSED CASING AND CEMENT PROGRAM

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'
- (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
SANTA FE
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:

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S.S.	/
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
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 P LOCATED 175 FEET FROM THE East LINE
AND 100 FEET FROM THE South LINE OF SEC. 18 TWP. T25S RGE. R19W NMPM

7. Unit Agreement Name
NA
8. Farm or Lease Name
NA
9. Well No.
672-217
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.) 4,205' 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
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APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 5-14-80
UNLESS DRILLING UNDERWAY

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OIL CONSERVATION COMMISSION

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

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.

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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

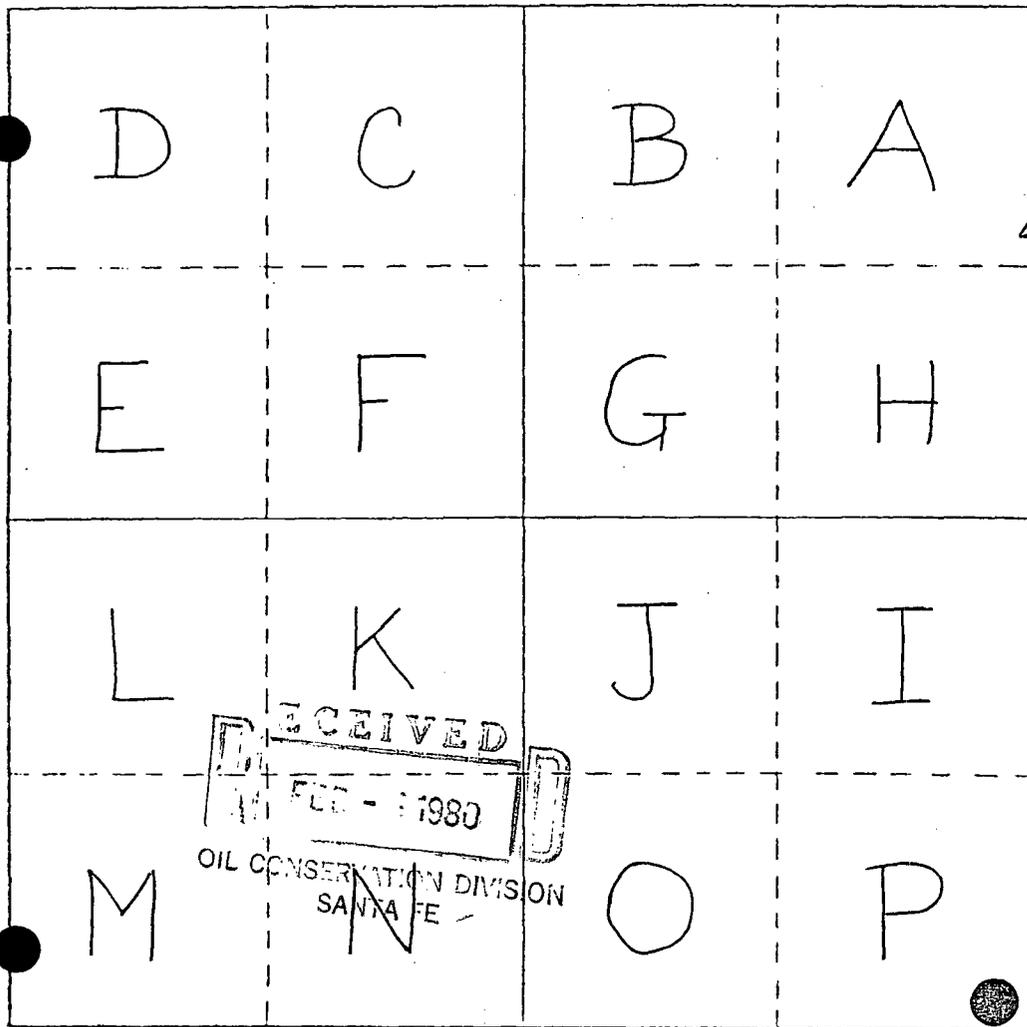
All distances must be from the outer boundaries of the Section.

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	

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

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Name
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Position Attorney-in-fact
Manager, Geothermal Exploration
Company
AMAX Exploration, Inc.
Date
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Date Surveyed
NA
Registered Professional Engineer
and/or Land Surveyor

Certificate No.

