

GTLT - _____5_____

**(1-24)-25S-20W
Amax Exploration, Inc.
(Hidalgo County)**

**T-126-C(PA); T-127-A(PA);
T-134-N(PA); T-133-F(PA) &
T-136-B(PA)**

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

Form G-103
10-1 74

NO. OF COPIES RECEIVED	
DISTRIBUTION	
File	<input checked="" type="checkbox"/>
N.M.B.M.	
U.S.G.S.	
Operator	
Land Office	

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

SEP 21 1977

5. Indicate Type of Lease	
State	<input checked="" type="checkbox"/>
State Lease No.	NA
7. Unit Agreement Name	NA
8. Farm or Lease Name	Hatch
9. Well No.	T-126
10. Field and Pool, or Wildcat	NA
12. County	Hidalgo

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

1. Type of Well	Geothermal Producer <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/>
	Low-Temp Thermal <input type="checkbox"/>	Injection/Disposal <input type="checkbox"/>
2. Name of Operator	AMAX Exploration, Inc.	
3. Address of Operator	4704 Harlan Street, Denver, Colorado 80212	
4. Location of Well	UNIT LETTER C, 100 FEET FROM THE North LINE AND 2300 FEET FROM THE West LINE, SECTION 1 TOWNSHIP 25S RANGE 20W NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	4180 ft. GR	

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

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

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1.91cm (3/4") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then backfilled with drill cuttings.

Abandonment Procedure

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

Order No. R-4860
Exhibit No. D

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

SIGNED Harry J. Ceson TITLE Managing Geologist DATE September 8, 1977
Geothermal Exploration

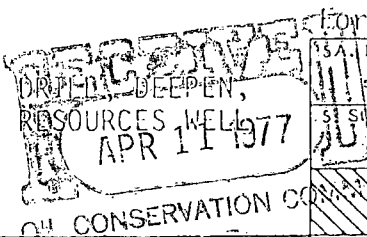
APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/26/77

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	1
N.M.B.M.	1
U.S.G.S.	1
Operator	1
Land Office	1
BLM	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



Form G-101

3A. Indicate Type of Lease

STATE ☐ FEDERAL ☒

5. State Lease No.

NA

a. 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

Hatch

Name of Operator

AMAX Exploration, Inc.

9. Well No.

T-126

Address of Operator

4704 Harlan Street, Denver, Colorado 80212

10. Field and Pool, or Wildcat

NA

Location of Well

UNIT LETTER C LOCATED 100' FEET FROM THE north LINE

2300' FEET FROM THE west LINE OF SEC. 1 TWP. 25S RGE. 20W NADPM

12. County

Hidalgo

c. Elevation (Show whether DE, RT, etc.)

4180'

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.

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 ABOVDUT PREVENTER PROGRAM, IF ANY.

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

Signed Harry Carson Title Managing Geologist, Date April 6, 1977
Geothermal Exploration

(This space for State Use)

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.

Company AMAX Exploration, Inc.		Lease Hatch		Well No. T-126	
Unit Number NA	Section 1	Township 25S	Range 20W	County Hidalgo	
Actual Well Location of Well: 100' East from the north line and 2300' East from the west line					
Stratigraphic Interval 4180'	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.

Hatch 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

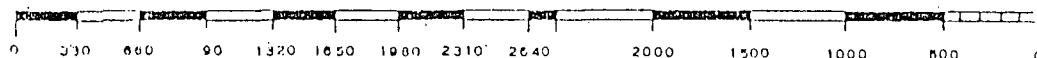
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

NA

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.



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

Form G-103
10-1-74

NO. OF COPIES RECEIVED	
DISTRIBUTION	
File	<input checked="" type="checkbox"/>
N.M.B.M.	
U.S.G.S.	
Operator	
Land Office	

SUNDRY NOTICES AND REPORTS SEP 21 1977
ON
GEOTHERMAL RESOURCES WELLS

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

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

1. Type of Well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/>	7. Unit Agreement Name NA
2. Name of Operator AMAX Exploration, Inc.		8. Farm or Lease Name Hatch
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212		9. Well No. T-127
4. Location of Well UNIT LETTER <u>A</u> <u>100</u> FEET FROM THE <u>North</u> LINE AND <u>500</u> FEET FROM THE <u>East</u> LINE, SECTION <u>1</u> TOWNSHIP <u>25S</u> RANGE <u>20W</u> NMPM.		10. Field and Pool, or Wildcat NA
15. Elevation (Show whether DF, RT, GR, etc.) 4180 ft. GR		12. County Hidalgo

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

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

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) PER RULE 203.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1.91cm (3/4") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then backfilled with drill cuttings.

Abandonment Procedure

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

Order No. R-4860
Exhibit No. D

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

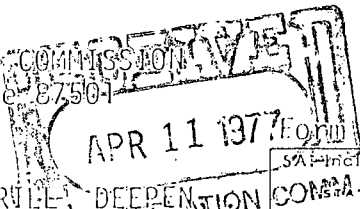
SIGNED Harry J. Hason TITLE Managing Geologist DATE September 8, 1977
Geothermal Exploration

APPROVED BY Carl W. Wray TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/26/77

CONDITIONS OF APPROVAL, IF ANY

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	1 ✓
N.M.B.M.	1
U.S.G.S.	1
Operator	1
Land Office	
BLM	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

5A. Indicate Type of Lease	COMMA <input type="checkbox"/> REC <input checked="" type="checkbox"/>
5. State Lease No.	NA
7. Unit Agreement Name	NA
8. Farm or Lease Name	Hatch
9. Well No.	T-127
10. Field and Pool, or Wildcat	NA
12. County	Hidalgo
19. Proposed Depth	500 feet
19A. Formation	Alluvium or Tertiary Volcanics
20. Rotary or C.T.	rotary
21. 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 <u>A</u> LOCATED <u>100'</u> FEET FROM THE <u>north</u> LINE <u>500'</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>1</u> TWP. <u>25S</u> RGE. <u>20W</u> NMPM
1. Elevation (Show whether DF, RT, etc.)	4180'
21A. Kind & Status Plug. Bond	multiple
21B. Drilling Contractor	Southwest Drilling & Exploration, Inc.

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.

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 ALLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Harry J. Casen Title Managing Geologist, 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 boundary line of this Section.

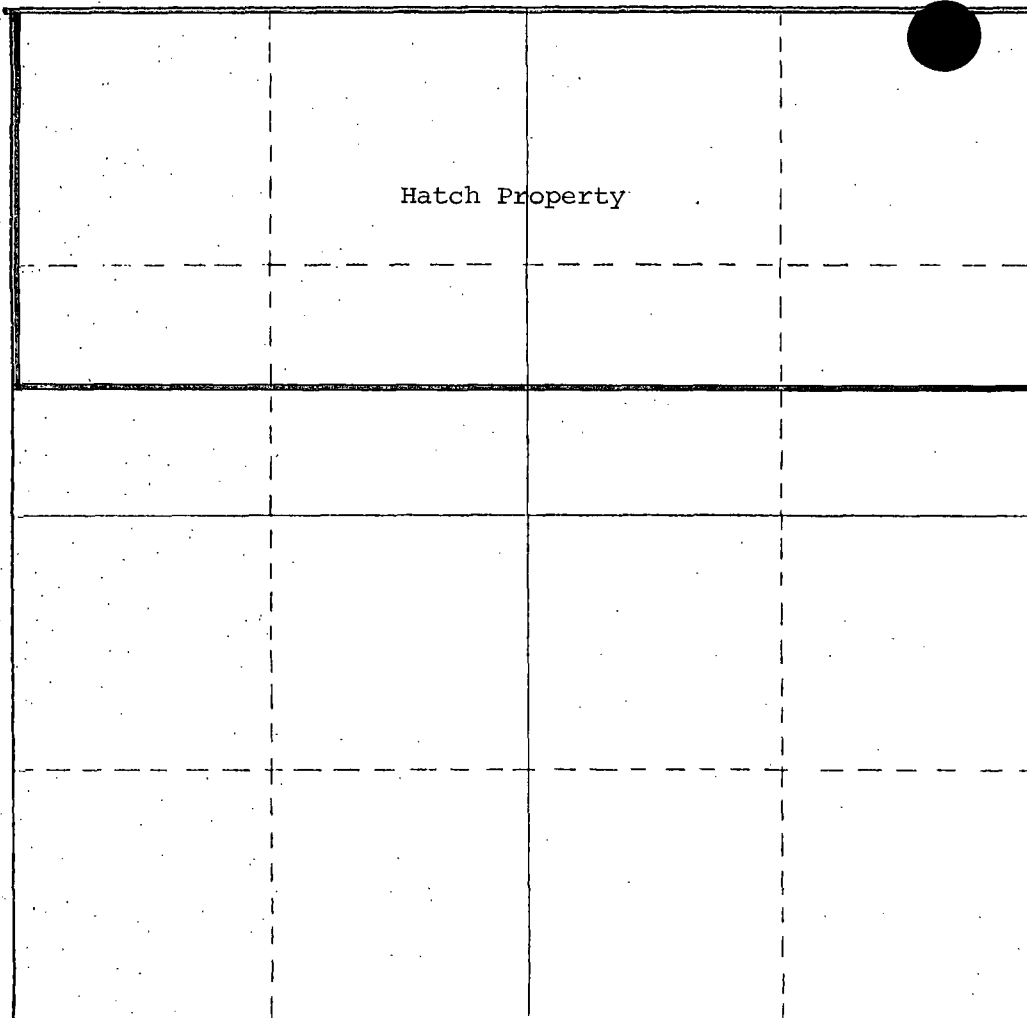
Operator AMAX Exploration, Inc.			County Hatch		Well No. T-127
Unit Letter NA	Section 1	Township 25S	Range 20W	County Hidalgo	State N.M.
Actual Footings Location of Well:					
100' feet from the north line and		500' feet from the east line			
Strand Level Elev. 4180'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000

NO. OF COPIES RECEIVED	
DISTRIBUTION	
File	<input checked="" type="checkbox"/>
N.M.B.M.	
U.S.G.S.	
Operator	
Land Office	

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

Form G-103
10-1 74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

JAN 17 1978

Indicate Type of Lease	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
State Lease No.	CO. NA	

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

1. Type of Well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/>	7. Unit Agreement Name NA
2. Name of Operator AMAX Exploration, Inc.		8. Farm or Lease Name Green
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212		9. Well No. T-134
4. Location of Well UNIT LETTER <u>N</u> <u>500'</u> FEET FROM THE <u>South</u> LINE AND <u>2400'</u> FEET FROM THE <u>West</u> LINE, SECTION <u>12</u> TOWNSHIP <u>25S</u> RANGE <u>20W</u> NMPM.		10. Field and Pool, or Wildcat NA
15. Elevation (Show whether DF, RT, GR, etc.) 4195' (GR)		12. County Hidalgo

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

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

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

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1.91cm(3/4") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then backfilled with drill cuttings.

Abandonment Procedure

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

Order No. R-4860
Exhibit No. D

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.			
SIGNED <u>Harry J. Cason</u>	TITLE <u>Managing Geologist</u>	DATE <u>January 13, 1978</u>	
APPROVED BY <u>Carl Ulvog</u>		TITLE <u>SENIOR PETROLEUM GEOLOGIST</u>	DATE <u>1-18-78</u>
CONDITIONS OF APPROVAL, IF ANY:			

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	1 ✓
N.H.B.M.	1
U.S.G.S.	1
Operator	1
Land Office	

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

APPLICATION FOR PERMIT TO DEEPEN,
OR PLUG BACK---GEOTHERMAL RESOURCES
OIL CONSERVATION COMMISSION
Santa Fe

Form G-101

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Lease No.
NA

7. Unit Agreement Name
NA

8. Farm or Lease Name
Green

9. Well No.
T-134

10. Field and Pool, or Wildcat
NA

12. County
Hidalgo

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

2. Name of Operator
AMAX Exploration, Inc.

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

4. Location of Well UNIT LETTER N LOCATED 500' FEET FROM THE south LINE

AND 2400' FEET FROM THE west LINE OF SEC. 12 TWP. 25S RCF. 20W NMPM

19. Proposed Depth 500 feet

19A. Formation Alluvium or Tertiary Volcanics

20. Rotary or C.T. rotary

21. Elevation (Show whether DB, RT, etc.) 4195'

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.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

EXPIRES 7/11/77

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

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

Signed [Signature] Title Manager, Geothermal Exploration Date April 5, 1977

(This space for State Use)

APPROVED BY Carl Helvig 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.

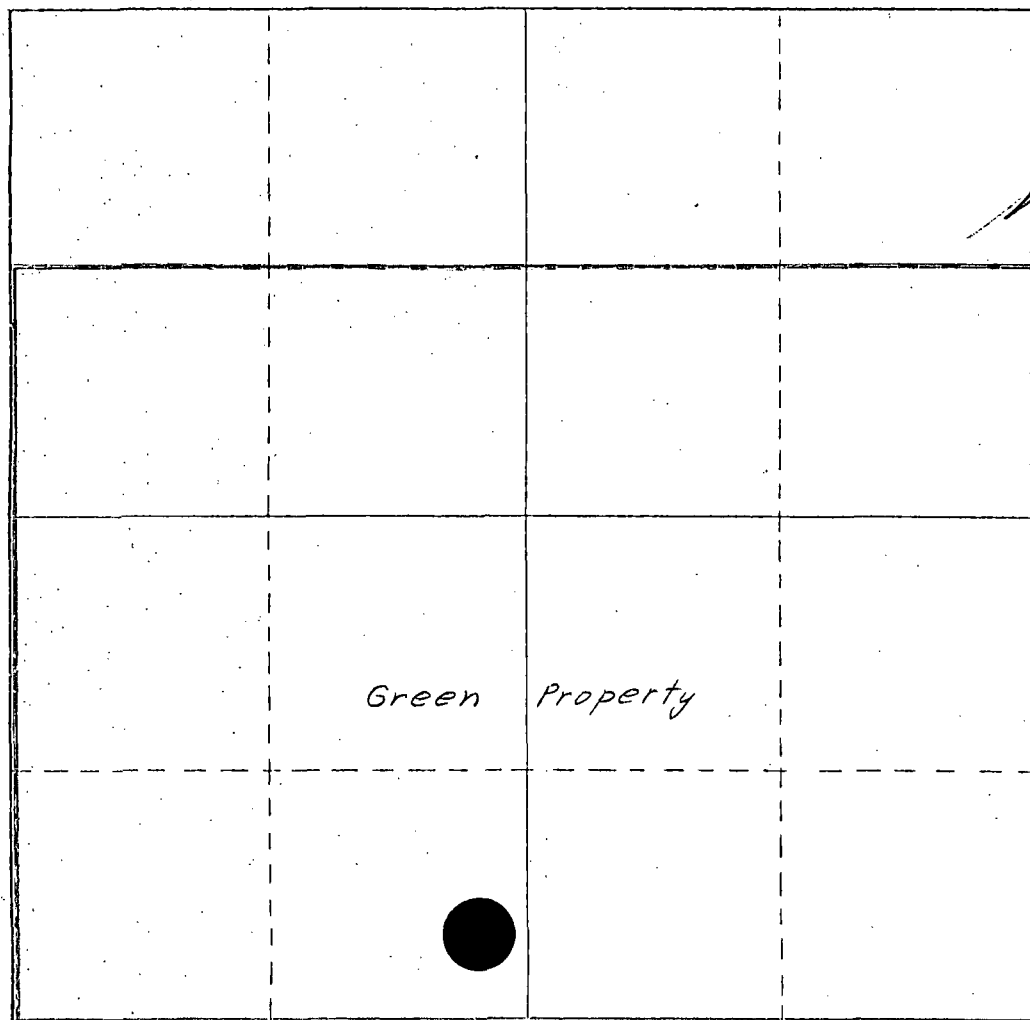
Operator AMAX Exploration, Inc.		Lease Green		Well No. T-134
Unit Letter NA	Section 12	Township 25S	Range 20W	County Hidalgo
Actual Footage Location of Well: 500' feet from the south line and 2400' feet from the west line				
Ground Level Elev. 4195'	Producing Formation NA		Pool NA	Dedicated Acreage: NA Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. **NA**
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). **NA**
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? **NA**

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

April 5, 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

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

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2088, Santa Fe 87501
JAN 17 1978

Form G-103
10-1 74

SUNDRY NOTICES AND REPORTS CONSERVATION
ON
GEOTHERMAL RESOURCES WELLS

Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input checked="" type="checkbox"/>
State Lease No. NA
7. Unit Agreement Name NA
8. Farm or Lease Name Green
9. Well No. T-133
10. Field and Pool, or Wildcat NA
12. County Hidalgo

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

1. Type of Well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/>
2. Name of Operator AMAX Exploration, Inc.	
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212	
4. Location of Well UNIT LETTER <u>F</u> <u>2000'</u> FEET FROM THE <u>North</u> LINE AND <u>2500'</u> FEET FROM THE <u>West</u> LINE, SECTION <u>12</u> TOWNSHIP <u>25S</u> RANGE <u>20W</u> NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.) 4190' (GR)	

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

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

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

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1.91cm (3/4") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then backfilled with drill cuttings.

Abandonment Procedure

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

Order No. R-4860
Exhibit No. D

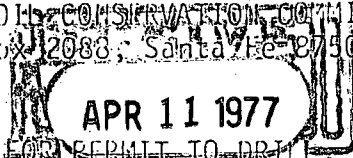
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED <u>Harry J. Clesan</u>	TITLE <u>Managing Geologist</u>	DATE <u>January 13, 1978</u>
APPROVED BY <u>Carl Rulvog</u>	TITLE <u>SENIOR PETROLEUM GEOLOGIST</u>	DATE <u>1-18-78</u>

CONDITION OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	/
N.M.B.M.	/
U.S.G.S.	/
Operator	/
Land Office	

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 12088, Santa Fe, N.M. 87501



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

Form G-101

5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒

5. State Lease No.
NA

7. Unit Agreement Name
NA

8. Farm or Lease Name
Green

9. Well No.
T-133

10. Field and Pool, or Wildcat
NA

12. County
Hidalgo

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

2. Name of Operator
AMAX Exploration, Inc.

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

4. Location of Well
UNIT LETTER F LOCATED 2000' FEET FROM THE north LINE
AND 2500' FEET FROM THE west LINE OF SEC. 12 TWP. 25S RGF. 20W NADPM

19. Proposed Depth
500 feet
19A. Formation
Alluvium or Tertiary Volcanics
20. Rotary or C.T.
rotary

21. Elevation (Show whether DT, RT, etc.)
4190'
21A. Kind & Status Plug. Bond
multiple
21B. Drilling Contractor
Southwest Drilling & Exploration, Inc.

22. Approx. Date Work will start
April 18, 1977

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 3/4 to 6" 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.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

EXPIRES 7/11/77

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 ABLOUT PACENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Manager, Geothermal Exploration Date April 5, 1977

(This space for State Use)

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.

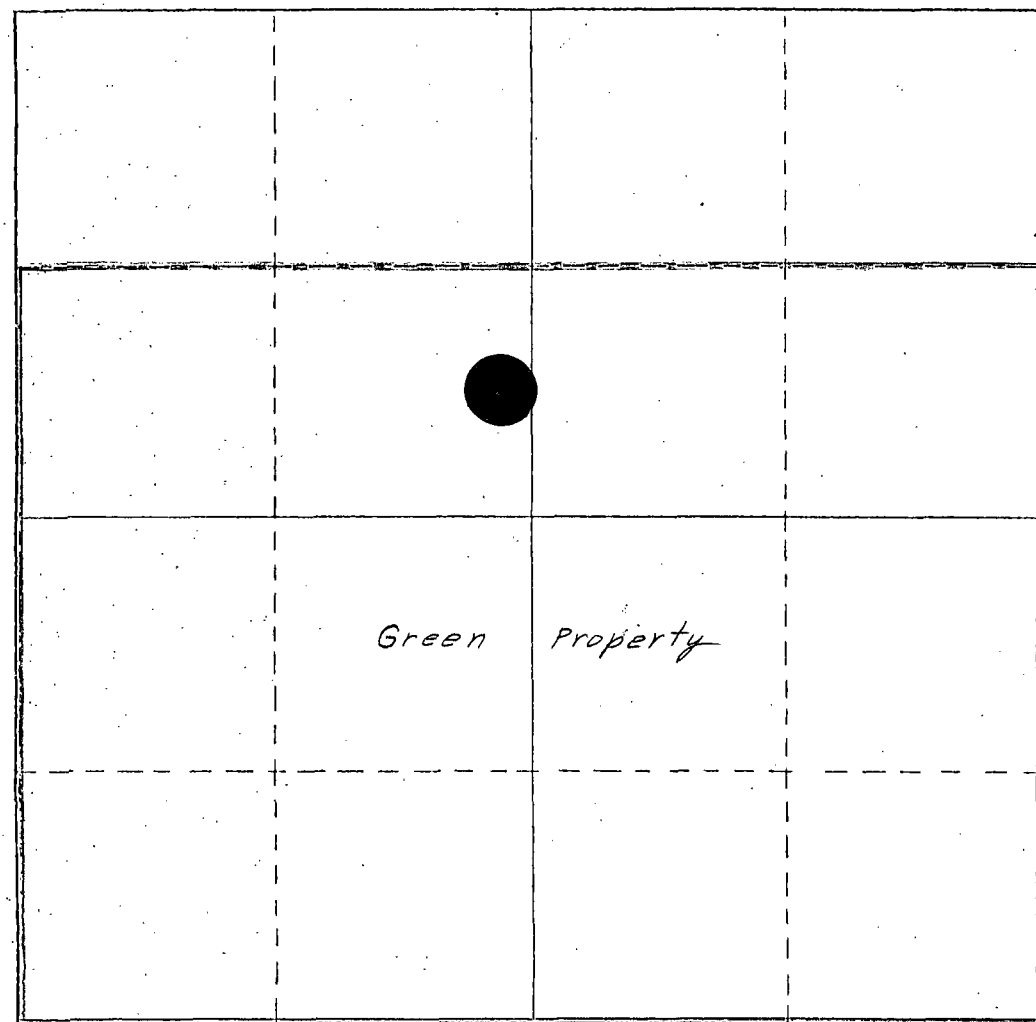
Operator AMAX Exploration, Inc.			Lease Green		Well No. T-133
Unit Letter NA	Section 12	Township 25S	Range 20W	County Hidalgo	
Actual Location of Well: 2000' feet from the north line and 2500' feet from the west line					
Ground Level Elev. 4190'	Producing Formation NA		Pool NA		Dedicated Acreage: NA 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.

Name

William M. Dolan

Position

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

April 5, 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

Form G-103
10-1 74

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

SUNDY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

SEP 21 1977

5. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
6. State Lease No. NA
7. Unit Agreement Name NA
8. Farm or Lease Name Richens, Inc.
9. Well No. T-136
10. Field and Pool, or Wildcat NA
12. County Hidalgo

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

1. Type of Well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/>
2. Name of Operator AMA Exploration, Inc.	
3. Address of Operator 4704 Harlan Street, Denver, Colorado 80212	
4. Location of Well UNIT LETTER <u>B</u> <u>100</u> FEET FROM THE <u>North</u> LINE AND <u>1500</u> FEET FROM THE <u>East</u> LINE, SECTION <u>24</u> TOWNSHIP <u>25S</u> RANGE <u>20W</u> N.M.P.M.	
15. Elevation (Show whether DF, RT, GR, etc.) 4205 ft. GR	

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

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

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

Method of Completion

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1.91cm (3/4") in outside diameter which has been capped on the bottom is inserted into the hole. The pipe is filled with water and capped. The space around the intruded pipe is then backfilled with drill cuttings.

Abandonment Procedure

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

Order No. R-4860
Exhibit No. D

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

SIGNED Harry J. Casan TITLE Managing Geologist
Geothermal Exploration DATE September 8, 1977

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST
DATE 9/26/77

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	/ ✓
N.M.B.M.	/
U.S.G.S.	/
Operator	/
Land Office	

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 20867 Santa Fe, N.M. 87501

APR 11 1977

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

Form G-101

5A. Indicate Type of Lease

STATE ☐

FEED ☒

5. State Lease No.

NA

7. Unit Agreement Name

NA

8. Farm or Lease Name

Richens, Inc.

9. Well No.

T-136

10. Field and Pool, or Wildcat

NA

12. County

Hidalgo

19. Proposed Depth

500 feet

19A. Formation

Alluvium or Tertiary Volcanics

20. Rotary or C.T.

rotary

21. Elevation (Show whether DR, RT, etc.)

4205'

21A. Kind & Status Plug. Bond

single

21B. Drilling Contractor

Southwest Drilling &

22. Approx. Date Work will start

April 18, 1977

23. PROPOSED CASING AND CEMENT PROGRAM
Exploration, Inc.

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.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

EXPIRES 7/11/77

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

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

Signed [Signature] Title Manager, Geothermal Exploration Date April 5, 1977

(This space for State Use)

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.

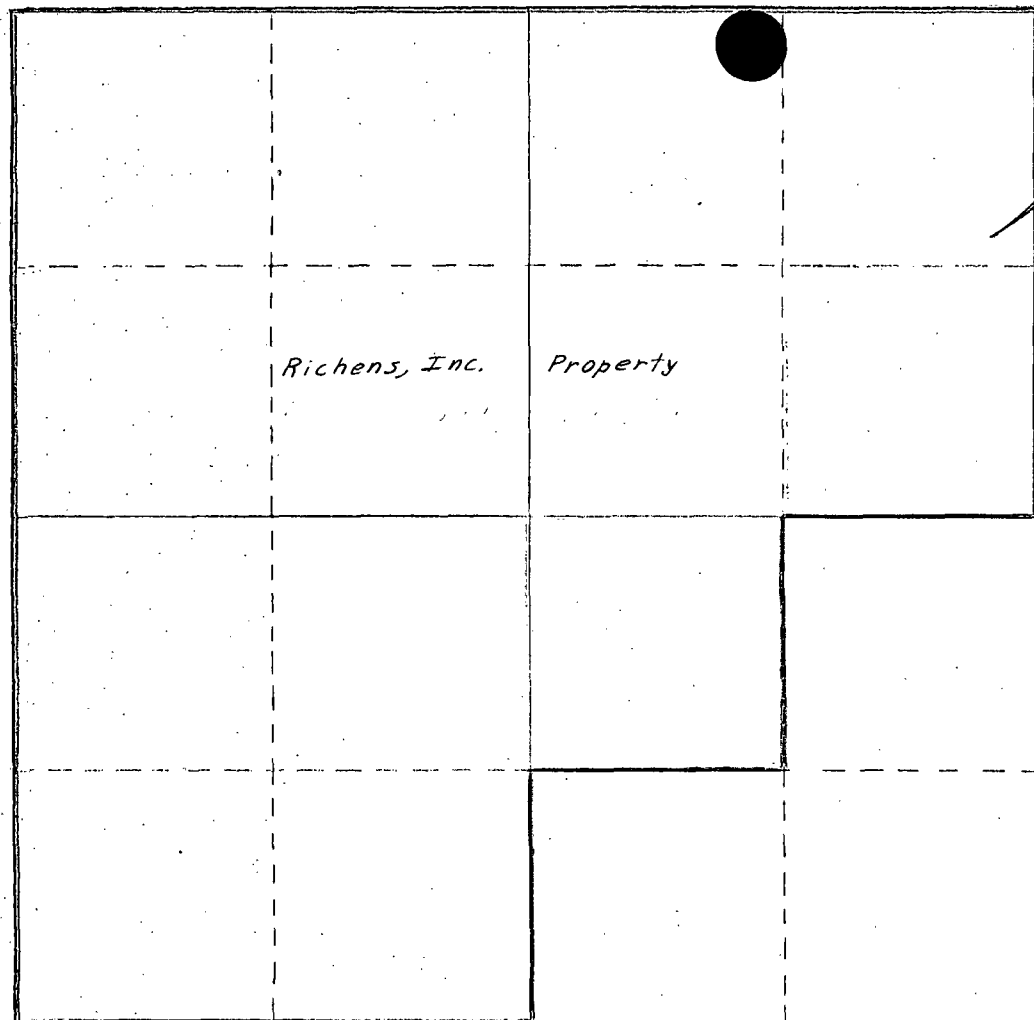
Owner AMAX Exploration, Inc.		Lease Richens, Inc.		Well No. T-136
Tract Entry NA	Section 24	Township 25S	Range 20W	County Hidalgo
Actual Well Location of Well: 100' feet from the north line and 1500' feet from the east line				
Ground Level Elev. 4205'	Producing Formation NA	Pool NA	Dedicated Acreage: NA Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

Manager, Geothermal Exploration

Company

AMAX Exploration, Inc.

Date

April 5, 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