

**GTLT - \_\_\_\_\_8\_\_\_\_\_**

**(1-33)-24S-20W  
Aminoil USA, Inc.  
(Hidalgo County)**

**NMA-13; NMA-2; NMA-3 &  
NMA-7**

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

APR - 7 1977

OIL CONSERVATION

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

5. Indicate Type of Lease

STATE ☐FEE ☒

5.a State Lease No.

2951 52

7. Unit Agreement Name

--

8. Farm or Lease Name

W. Kerr

9. Well No.

N.M.A.-13

10. Field and Pool, or Wildcat

Wildcat

12. County

Hidalgo

19. Proposed Depth

500'

19A. Formation

Gila  
Conglomerate

20. Rotary or C.T.

Rotary

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

4150 A.S.L. (GE)

21A. Kind &amp; Status Plug. Bond

8073-83-27

21B. Drilling Contractor

Cason Drilling Co.

22. Approx. Date Work will start

April 1977

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
|--------------|----------------|-----------------|---------------|-----------------|----------|

- 1) Dig 5x5x5 feet sump.
- 2) Drill 4 1/2" hole to 500 feet with air or bentonite gel when needed.
- 3) Run 1 1/4" black pipe from surface to T.D., with plug at bottom.
- 4) Fill annulus with bentonite gel and rock cuttings, upper 20 feet filled with cement.
- 5) Fill black pipe with water.
- 6) Fill sump, repair ground.
- 7) Take temperature surveys up to 4 months after completion.
- 8) Cut off tubing below ground, cap, abandon, repair ground.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED

EXPIRES 7/3/77

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 J.R. Wall Title District Geologist Date 3/9/77

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

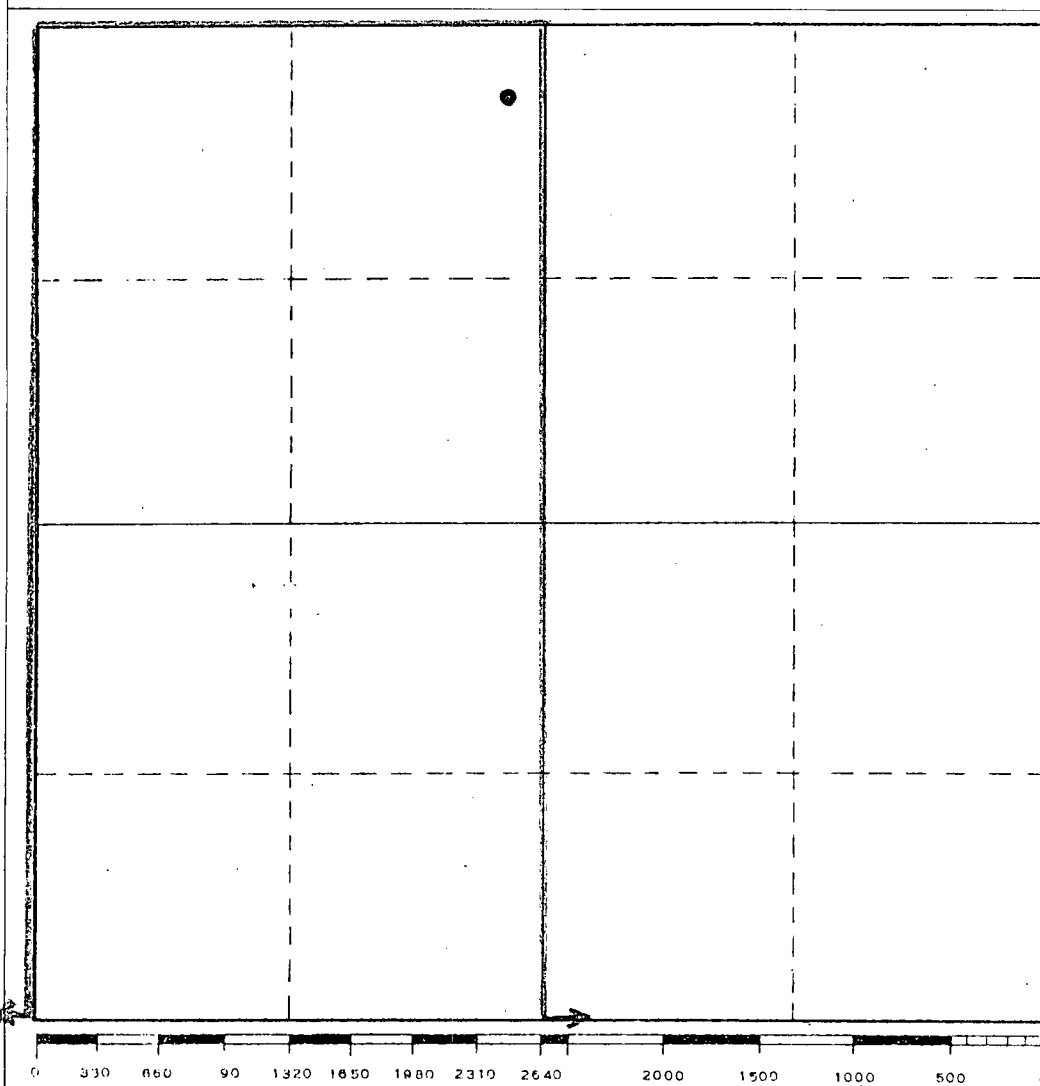
|   |                                  |                         |  |                                       |                              |
|---|----------------------------------|-------------------------|--|---------------------------------------|------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>  |                                  |                         | Lease<br><b>Fee W. Kerr 2751-32-07</b> |                                       | Well No.<br><b>N.M.A.-13</b> |
| Unit Letter<br><b>--C</b>   | Section<br><b>1</b>              | Township<br><b>24 S</b> | Range<br><b>20 W</b>                   | County<br><b>Hidalgo</b>              |                              |
| Actual Footage Location of Well:<br><b>400</b> feet from the <b>North</b> line and <b>2450</b> feet from the <b>West</b> line |                                  |                         |  |                                       |                              |
| Ground Level Elev.<br><b>4150</b>   | Producing Formation<br><b>--</b> |                         | Pool<br><b>--</b>                      | Dedicated Acreage:<br><b>--</b> Acres |                              |

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

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

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 D.R. Wall  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
and/or Land Surveyor

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

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

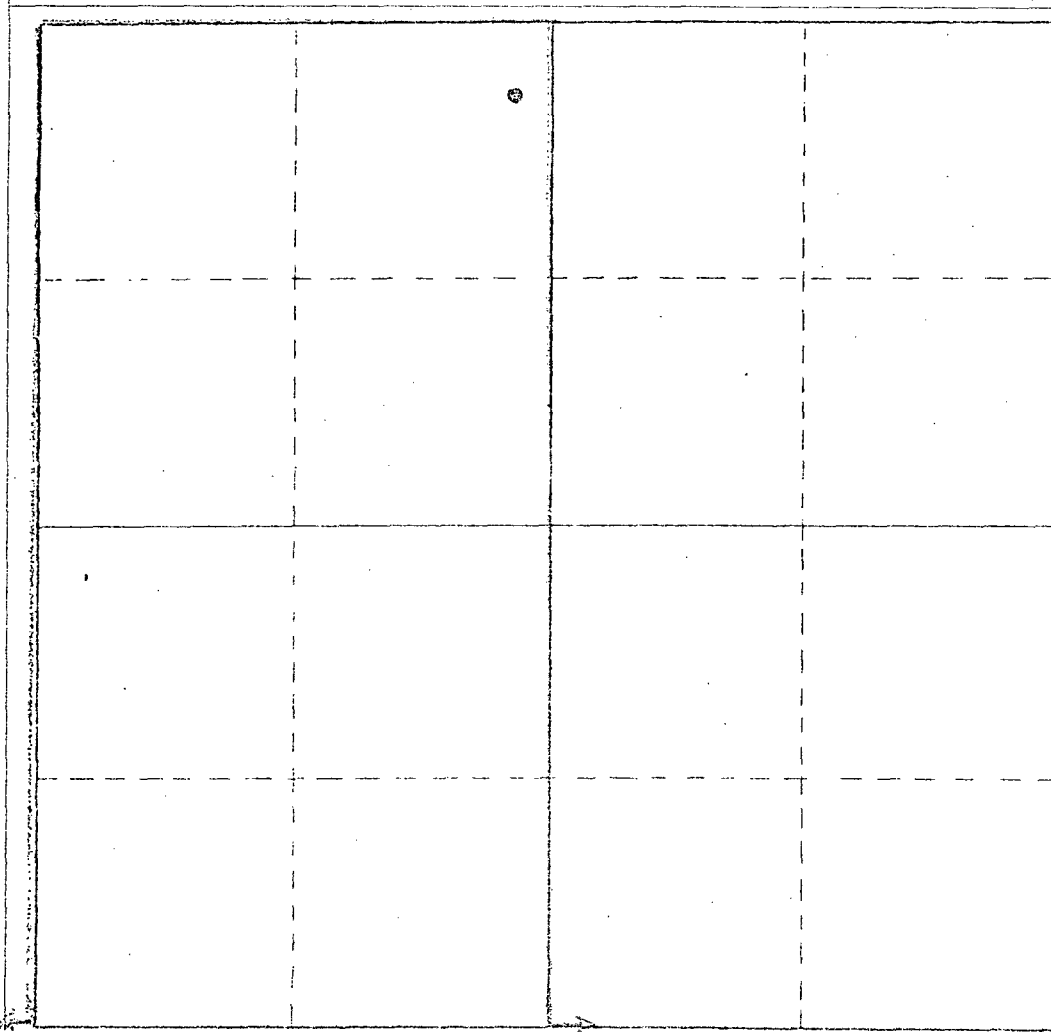
|   |                                  |                         |                             |                          |                                       |                                 |  |  |
|---|----------------------------------|-------------------------|-----------------------------|--------------------------|---------------------------------------|---------------------------------|--|--|
| Operator<br><b>Aminoil USA, Inc.</b>  |                                  |                         | Lease<br><b>Fee W. Kerr</b> |                          |                                       | Well No.<br><b>M. N.M.A.-13</b> |  |  |
| Unit Letter<br><b>--C</b>   | Section<br><b>1</b>              | Township<br><b>24 S</b> | Range<br><b>20 W</b>        | County<br><b>Hidalgo</b> |                                       |                                 |  |  |
| Actual Footage Location of Well:<br><b>400</b> feet from the <b>North</b> line and <b>2450</b> feet from the <b>West</b> line |                                  |                         |                             |                          |                                       |                                 |  |  |
| Ground Level Elev.<br><b>4150</b>   | Producing Formation<br><b>--</b> |                         | Pool<br><b>--</b>           |                          | Dedicated Acreage:<br><b>--</b> Acres |                                 |  |  |

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

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

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

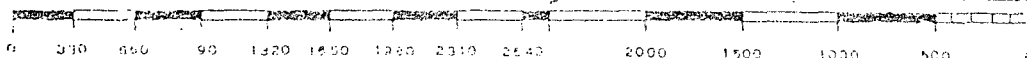
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Name **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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



GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

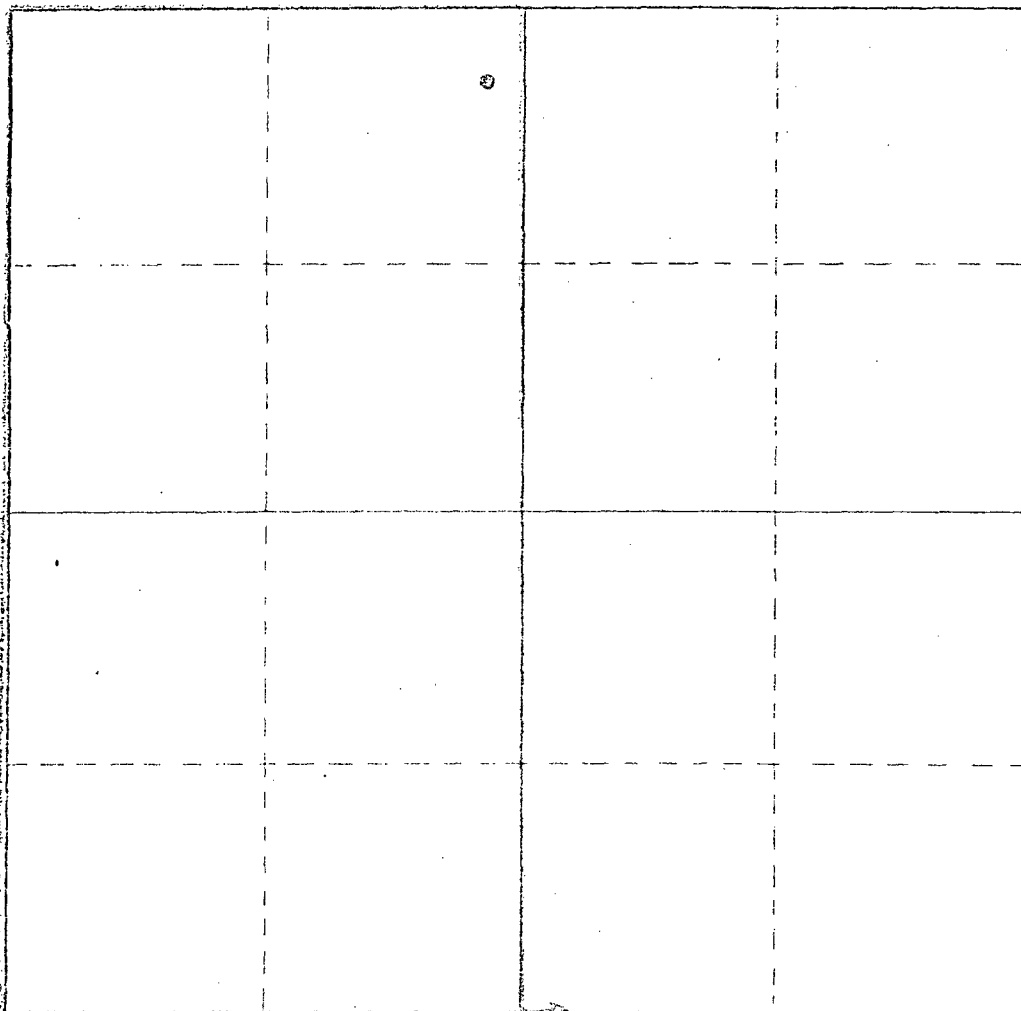
|   |                                  |                         |                                       |                          |                                    |
|---|----------------------------------|-------------------------|---------------------------------------|--------------------------|------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>  |                                  |                         | Lease<br><b>Fee W. Kerr</b>           |                          | Well No.<br><b>M. N. M. A. -13</b> |
| Unit Letter<br><b>--C</b>   | Section<br><b>1</b>              | Township<br><b>24 S</b> | Range<br><b>20 W</b>                  | County<br><b>Hidalgo</b> |                                    |
| Actual Footage Location of Well:<br><b>400</b> feet from the <b>North</b> line and <b>2450</b> feet from the <b>West</b> line |                                  |                         |                                       |                          |                                    |
| Ground Level Elev.<br><b>4150</b>   | Producing Formation<br><b>--</b> | Pool<br><b>--</b>       | Dedicated Acreage:<br><b>--</b> Acres |                          |                                    |

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

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

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

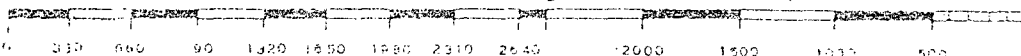
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **D. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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



GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

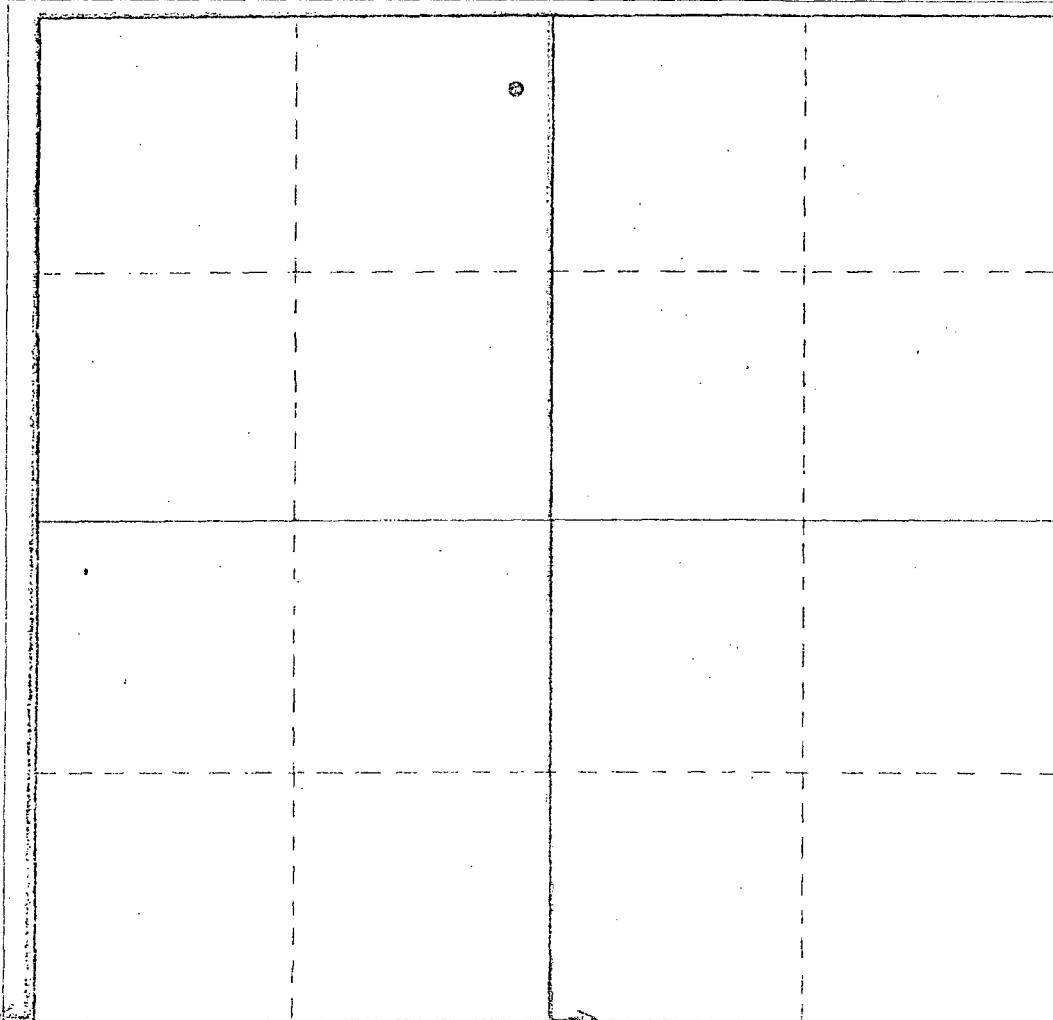
|   |                                  |                             |                                       |                              |  |
|---|----------------------------------|-----------------------------|---------------------------------------|------------------------------|--|
| Operator<br><b>Aminoil USA, Inc.</b>  |                                  | Lease<br><b>Fee W. Kerr</b> |                                       | Well No.<br><b>N.M.A.-13</b> |  |
| Unit Letter<br><b>C</b>   | Section<br><b>1</b>              | Township<br><b>24 S</b>     | Range<br><b>20 W</b>                  | County<br><b>Hidalgo</b>     |  |
| Actual Footage Location of Well:<br><b>400</b> feet from the <b>North</b> line and <b>2450</b> feet from the <b>West</b> line |                                  |                             |                                       |                              |  |
| Ground Level Elev.<br><b>4150</b>   | Producing Formation<br><b>--</b> | Pool<br><b>--</b>           | Dedicated Acreage:<br><b>--</b> Acres |                              |  |

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

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

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

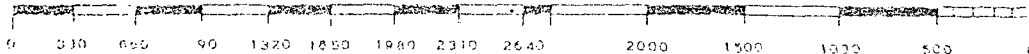
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **J. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

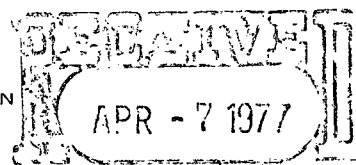
Certificate No. \_\_\_\_\_



|                        |     |
|------------------------|-----|
| NO. OF COPIES RECEIVED | 6   |
| DISTRIBUTION           |     |
| File                   | 2 ✓ |
| N.M.B.M.               | 1   |
| U.S.G.S.               | 1   |
| Operator               | 1   |
| Land Office            |     |

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501



OIL CONSERVATION COMMISSION

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

5.a State Lease No.

2731 - 2

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

8. Farm or Lease Name

Mr. A. Smith

2. Name of Operator

Aminoil USA, Inc.

9. Well No.

N.M.A. 2

3. Address of Operator

P.O. Box 11279, 1150 A Coddington Center  
Santa Rosa, California 95406

10. Field and Pool, or Wildcat

Wildcat

4. Location of Well

UNIT LETTER --M LOCATED 1,150 FEET FROM THE South LINE

AND 1,150

FEET FROM THE West LINE OF SEC. 4 TWP. 24 S RGE. 20 W NMPM

12. County

Hidalgo

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

4154 A.S.L. (GE)

21A. Kind &amp; Status Plug. Bond

8073-83-26

21B. Drilling Contractor

Cason Drilling Co.

22. Approx. Date Work will start

April 1977

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |

- 1) Dig 5x5x5 feet sump.
- 2) Drill 4 1/2" hole to 500 feet with air or bentonite gel when needed.
- 3) Run 1 1/4" black pipe from surface to T.D., with plug at bottom.
- 4) Fill annulus with bentonite gel and rock cuttings, upper 20 feet filled with cement.
- 5) Fill black pipe with water.
- 6) Fill sump, repair ground.
- 7) Take temperature surveys up to 4 months after completion.
- 8) Cut off tubing below ground, cap, abandon, repair ground.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED  
EXPIRES 7/3/77

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 D. R. Wall Title District Geologist Date 3/9/77

(This space for State Use)

APPROVED BY Carl Helweg TITLE SENIOR PETROLEUM GEOLOGISTDATE 4/4/77

CONDITIONS OF APPROVAL, IF ANY:

**GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

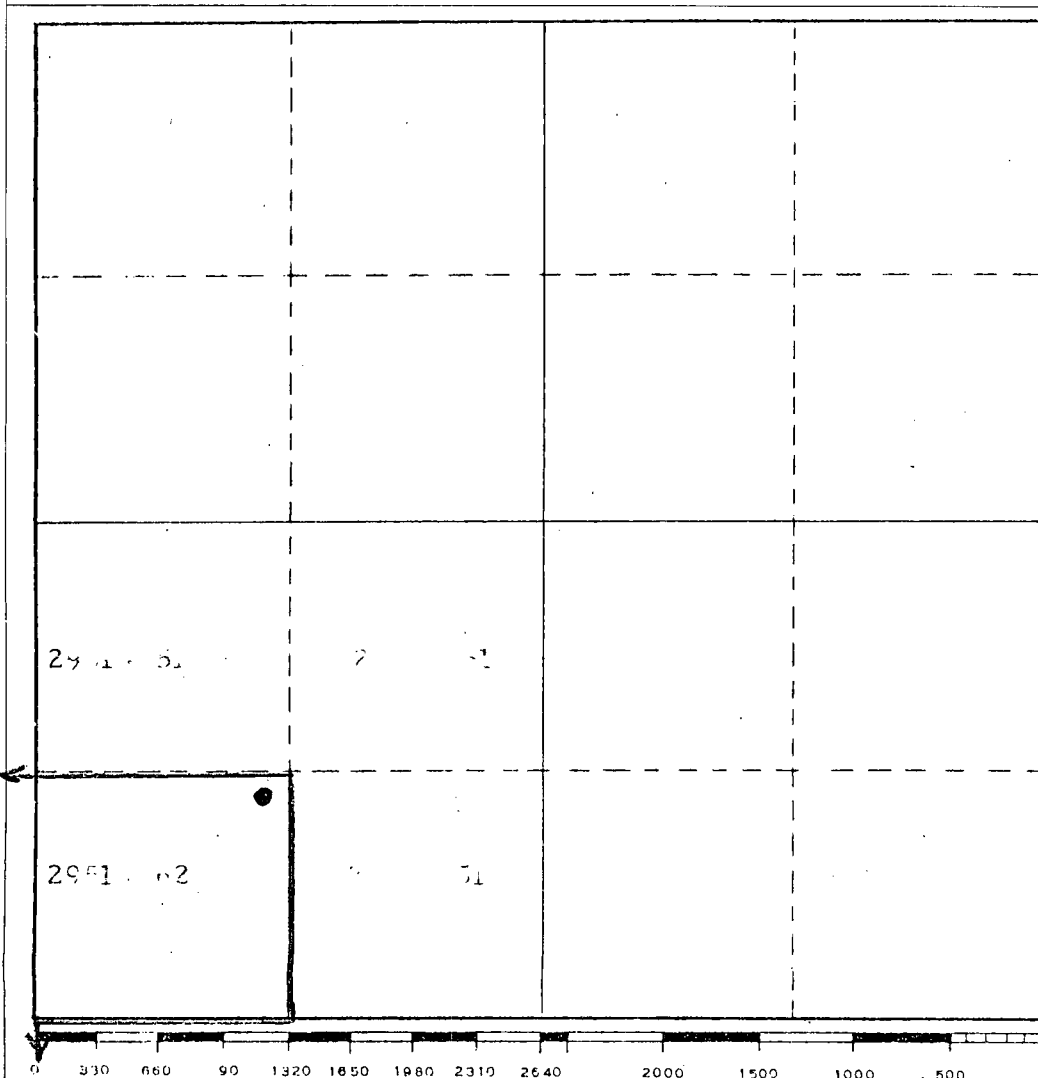
|  |                                  |                                  |                        |                             |                                       |
|--|----------------------------------|----------------------------------|------------------------|-----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee Mr. A. Smith</b> |                        | Well No.<br><b>N.M.A. 2</b> |                                       |
| Unit Letter<br><b>-- M</b>   | Section<br><b>4</b>              | Township<br><b>24 S</b>          | Range<br><b>20 W</b>   | County<br><b>Hidalgo</b>    |                                       |
| Actual Footage Location of Well:<br><b>1150</b> feet from the <b>South</b> line and <b>1150</b> feet from the <b>West</b> line |                                  |                                  |                        |                             |                                       |
| Ground Level Elev.<br><b>4154</b>  | Producing Formation<br><b>--</b> |                                  | Pool<br><b>Wildcat</b> |                             | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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 **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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



## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                                  |                        |                            |                                       |
|--|----------------------------------|----------------------------------|------------------------|----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee Mr. A. Smith</b> |                        | Well No.<br><b>N.M.A.2</b> |                                       |
| Unit Letter<br><b>-- M</b>   | Section<br><b>4</b>              | Township<br><b>24 S</b>          | Range<br><b>20 W</b>   | County<br><b>Hidalgo</b>   |                                       |
| Actual Footage Location of Well:<br><b>1150</b> feet from the <b>South</b> line and <b>1150</b> feet from the <b>West</b> line |                                  |                                  |                        |                            |                                       |
| Ground Level Elev.<br><b>4154</b>  | Producing Formation<br><b>--</b> |                                  | Pool<br><b>Wildcat</b> |                            | Dedicated Acreage:<br><b>--</b> Acres |

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

☐ 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 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.

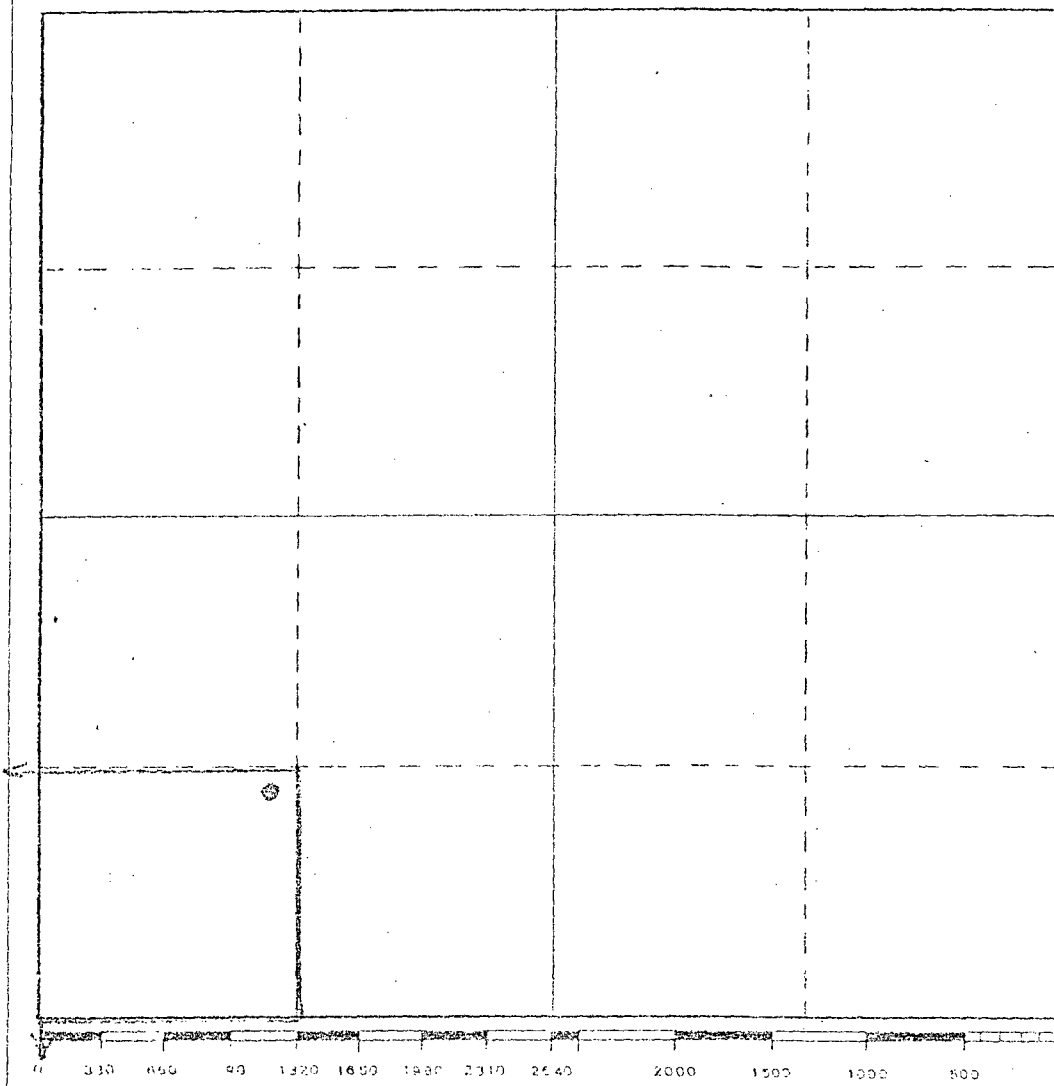
Name **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
and/or Land Surveyor

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



## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                                  |                        |                            |                                       |
|--|----------------------------------|----------------------------------|------------------------|----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee Mr. A. Smith</b> |                        | Well No.<br><b>N.M.A.2</b> |                                       |
| Unit Letter<br><b>-- M</b>   | Section<br><b>4</b>              | Township<br><b>24 S</b>          | Range<br><b>20 W</b>   | County<br><b>Hidalgo</b>   |                                       |
| Actual Footage Location of Well:<br><b>1150</b> feet from the <b>South</b> line and <b>1150</b> feet from the <b>West</b> line |                                  |                                  |                        |                            |                                       |
| Ground Level Elev.<br><b>4154</b>  | Producing Formation<br><b>--</b> |                                  | Pool<br><b>Wildcat</b> |                            | Dedicated Acreage:<br><b>--</b> Acres |

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

☐ 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 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.

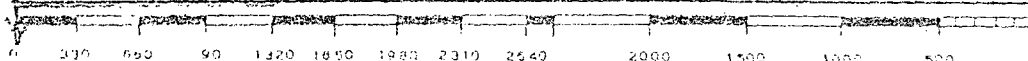
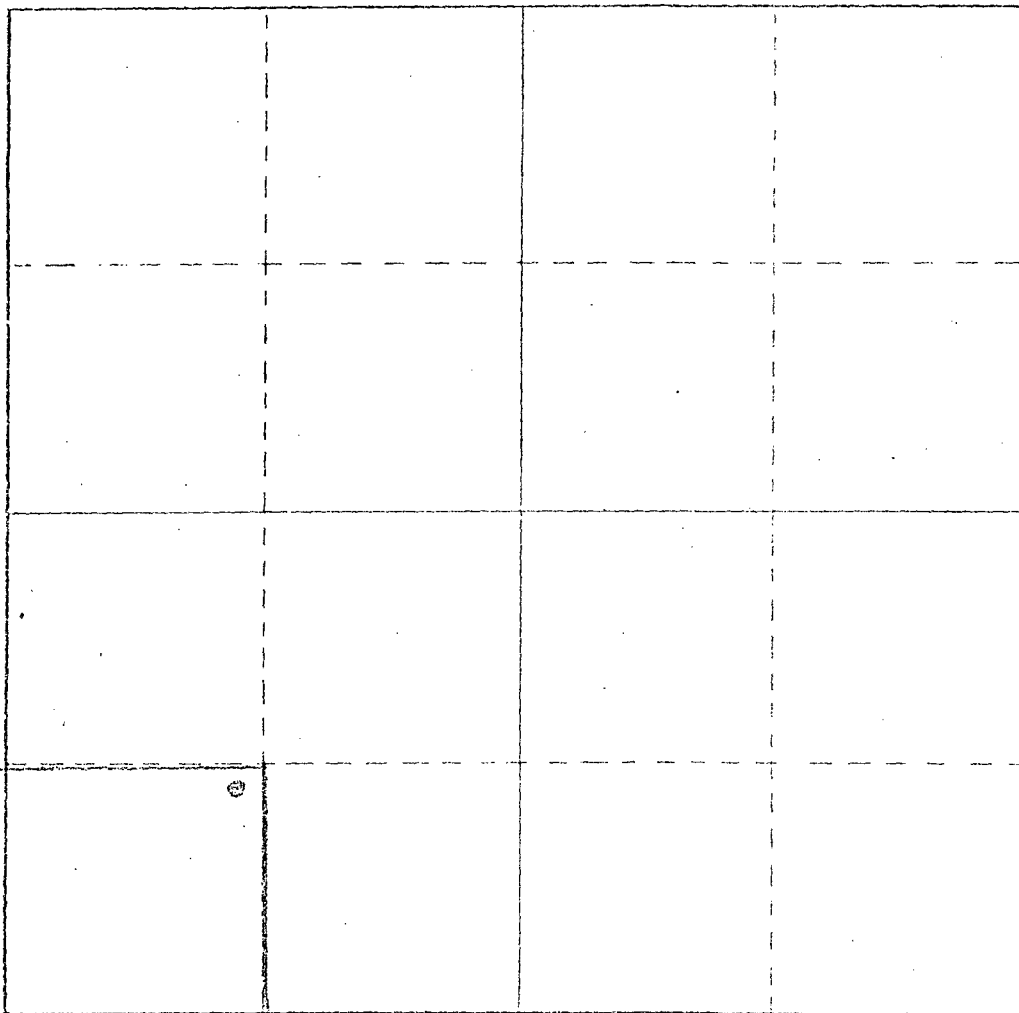
Name **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
and/or Land Surveyor

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



## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                                  |                        |                                       |  |
|--|----------------------------------|----------------------------------|------------------------|---------------------------------------|--|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee Mr. A. Smith</b> |                        | Well No.<br><b>N.M.A.2</b>            |  |
| Unit Letter<br><b>M</b>  | Section<br><b>4</b>              | Township<br><b>24 S</b>          | Range<br><b>20 W</b>   | County<br><b>Hidalgo COMM.</b>        |  |
| Actual Footage Location of Well:<br><b>1150</b> feet from the <b>South</b> line and <b>1150</b> feet from the <b>West</b> line |                                  |                                  |                        |                                       |  |
| Ground Level Elev.<br><b>4154</b>  | Producing Formation<br><b>--</b> |                                  | Pool<br><b>Wildcat</b> | Dedicated Acreage:<br><b>--</b> Acres |  |

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

☐ 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 necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communization, 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.

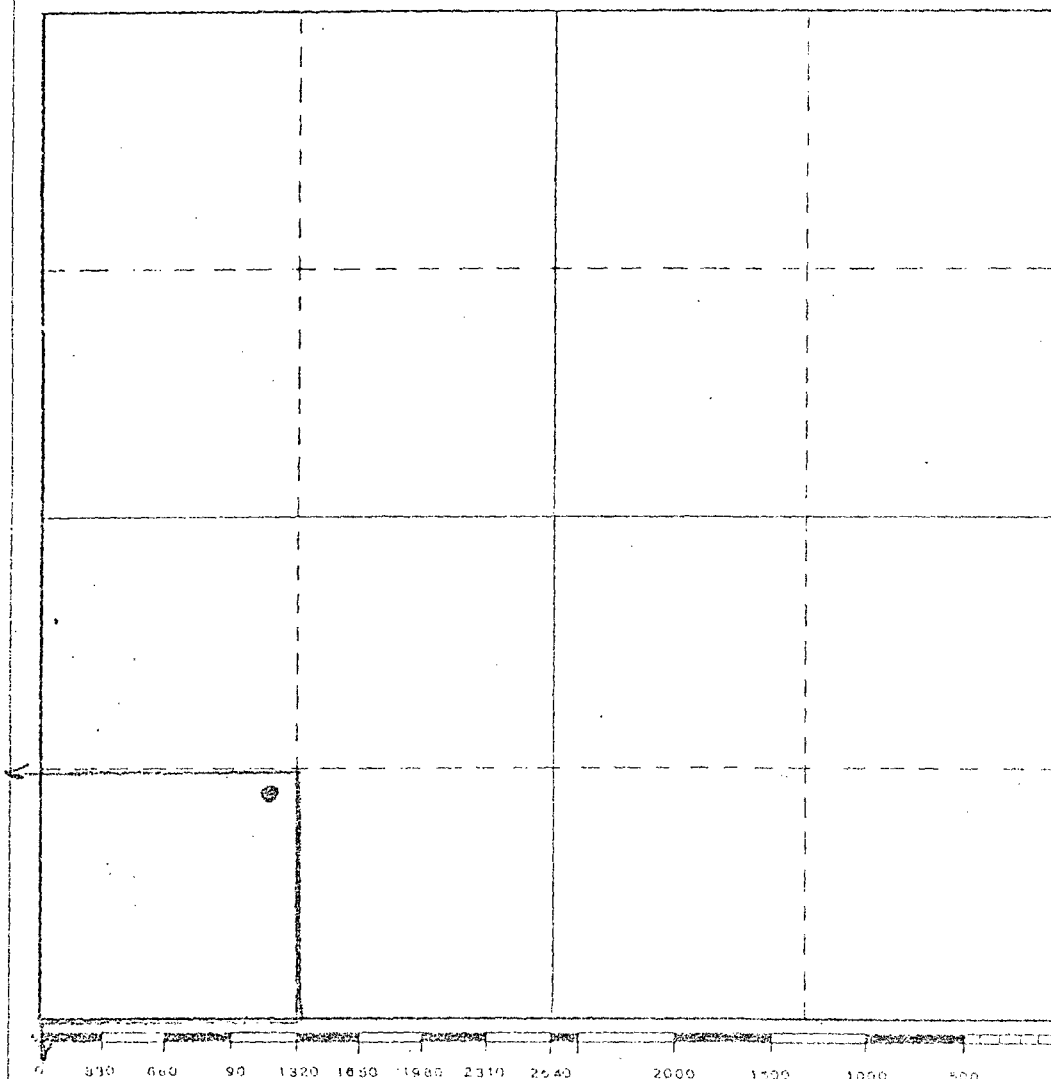
Name **A.R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

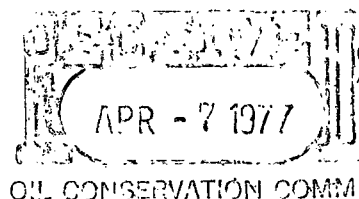
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
and/or Land Surveyor

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



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

|                        |   |
|------------------------|---|
| NO. OF COPIES RECEIVED | 6 |
| DISTRIBUTION           |   |
| File                   | 2 |
| N.M.B.M.               | 1 |
| U.S.G.S.               | 1 |
| Operator               | 1 |
| Land Office            |   |

BLM

1

5. Indicate Type of Lease

STATE ☐FEE ☒

5.a State Lease No.

2951 - 54

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

--

8. Farm or Lease Name

C. E. Roark

2. Name of Operator  
Aminoil USA, Inc.

9. Well No.

N.M.A. 3

3. Address of Operator  
P.O. Box 11279, 1150 A Coddington Center  
Santa Rosa, California 95406

10. Field and Pool, or Wildcat

Wildcat

4. Location of Well UNIT LETTER -- A LOCATED 350 FEET FROM THE North LINE

AND 350 FEET FROM THE East LINE OF SEC. 21 TWP. 24 S RGE. 20 W NMPM

12. County

Hidalgo

|  |   |                            |  |                              |
|--|---|----------------------------|--|------------------------------|
| 21. Elevations (Show whether DF, RT, etc.)<br>4164 A.S.L. (GE) | 21A. Kind & Status Plug. Bond<br>8073-83-26 | 19. Proposed Depth<br>500' | 19A. Formation<br>Tertiary Volcanic            | 20. Rotary or C.T.<br>Rotary |
| 21B. Drilling Contractor<br>Cason Drilling Co.                 |   |                            | 22. Approx. Date Work will start<br>April 1977 |                              |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |

- 1) Dig 5x5x5 feet sump.
- 2) Drill 4 1/2" hole to 500 feet with air or bentonite gel when needed.
- 3) Run 1 1/4" black pipe from surface to T.D., with plug at bottom.
- 4) Fill annulus with bentonite gel and rock cuttings, upper 20 feet filled with cement.
- 5) Fill black pipe with water.
- 6) Fill sump, repair ground.
- 7) Take temperature surveys up to 4 months after completion.
- 8) Cut off tubing below ground, cap, abandon, repair ground.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED

EXPIRES 7/3/77

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 D. R. Wall Title District Geologist Date 3/9/77

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

**GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

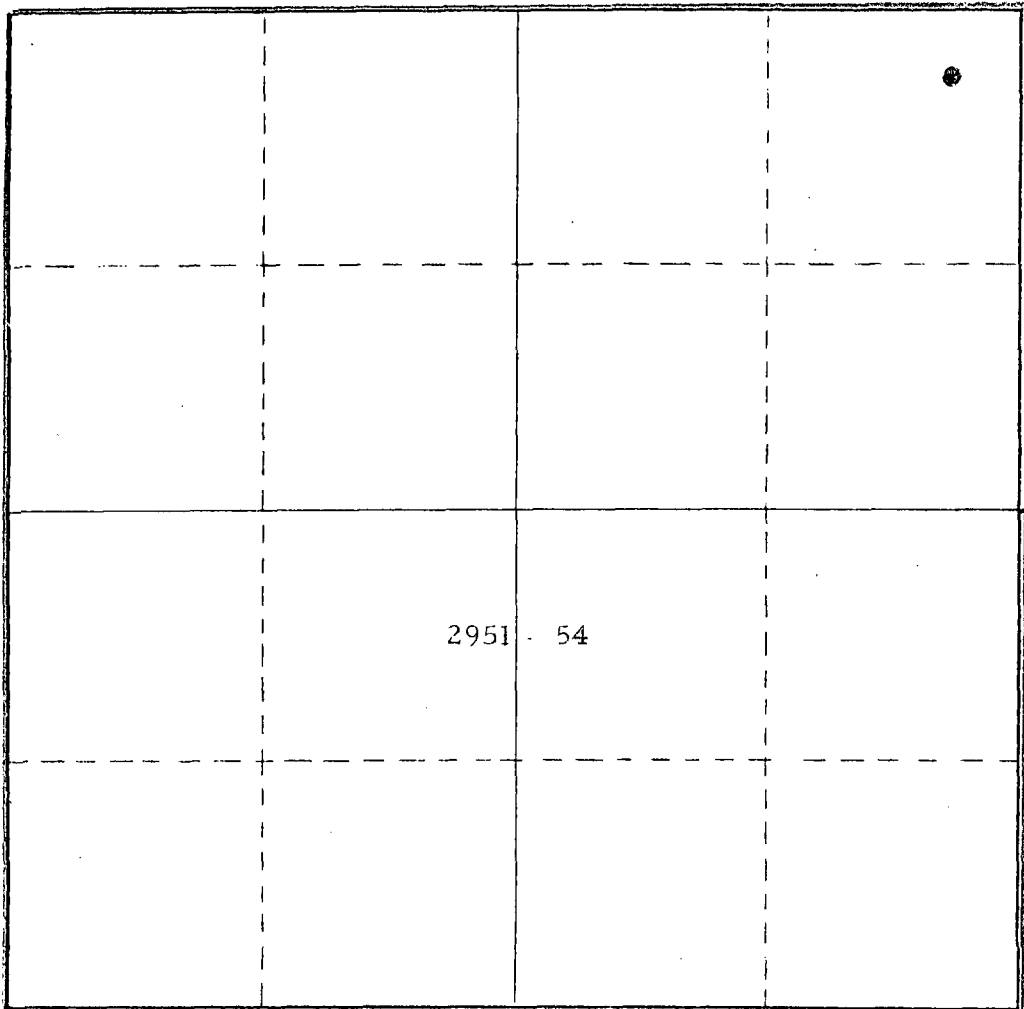
|  |                                  |                         |                                 |                          |                                       |
|--|----------------------------------|-------------------------|---------------------------------|--------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  |                         | Lease<br><b>Fee C. E. Roark</b> |                          | Well No.<br><b>N.M.A. 3</b>           |
| Unit Letter<br><b>A --</b>   | Section<br><b>21</b>             | Township<br><b>24 S</b> | Range<br><b>20 W</b>            | County<br><b>Hidalgo</b> |                                       |
| Actual Footage Location of Well:<br><b>350</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>East</b> line |                                  |                         |                                 |                          |                                       |
| Ground Level Elev.<br><b>4164</b>  | Producing Formation<br><b>--</b> |                         | Pool<br><b>--</b>               |                          | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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 **D. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION-PLAT

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

|  |                                  |                                 |                      |                             |                                       |
|--|----------------------------------|---------------------------------|----------------------|-----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee C. E. Roark</b> |                      | Well No.<br><b>N.M.A. 3</b> |                                       |
| Unit Letter<br><b>A</b>  | Section<br><b>21</b>             | Township<br><b>24 S</b>         | Range<br><b>20 W</b> | County<br><b>Hidalgo</b>    |                                       |
| Actual Footage Location of Well:<br><b>350</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>East</b> line |                                  |                                 |                      |                             |                                       |
| Ground Level Elev.<br><b>4164</b>  | Producing Formation<br><b>--</b> |                                 | Pool<br><b>--</b>    |                             | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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.

|  |  |  |
|--|--|--|
|  | <b>CERTIFICATION</b>   |  |
|  | <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> |  |
|  | Name <b>D. R. Wall</b>   |  |
|  | Position <b>District Geologist</b>   |  |
|  | Company <b>Aminoil USA, Inc.</b>   |  |
| Date <b>3/9/77</b>   |  |  |
| <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i> |  |  |
| Date Surveyed _____  |  |  |
| Registered Professional Engineer and/or Land Surveyor _____  |  |  |
| Certificate No. _____  |  |  |

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

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                                 |                                       |                             |  |
|--|----------------------------------|---------------------------------|---------------------------------------|-----------------------------|--|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee C. E. Roark</b> |                                       | Well No.<br><b>N.M.A. 3</b> |  |
| Unit Letter<br><b>A</b>  | Section<br><b>21</b>             | Township<br><b>24 S</b>         | Range<br><b>20 W</b>                  | County<br><b>Hidalgo</b>    |  |
| Actual Footage Location of Well:<br><b>350</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>East</b> line |                                  |                                 |                                       |                             |  |
| Ground Level Elev.<br><b>4164</b>  | Producing Formation<br><b>--</b> | Pool<br><b>--</b>               | Dedicated Acreage:<br><b>--</b> Acres |                             |  |

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

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

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.

|  |  |  |
|--|--|--|
|  | <b>CERTIFICATION</b>   |  |
|  | <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   |  |
|  | Name <b>D. R. Wall</b>   |  |
|  | Position <b>District Geologist</b>   |  |
|  | Company <b>Aminoil USA, Inc.</b>   |  |
|  | Date <b>3/9/77</b>   |  |
|  | <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i> |  |
|  | Date Surveyed _____  |  |
|  | Registered Professional Engineer and/or Land Surveyor _____  |  |
|  | Certificate No. _____  |  |

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

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

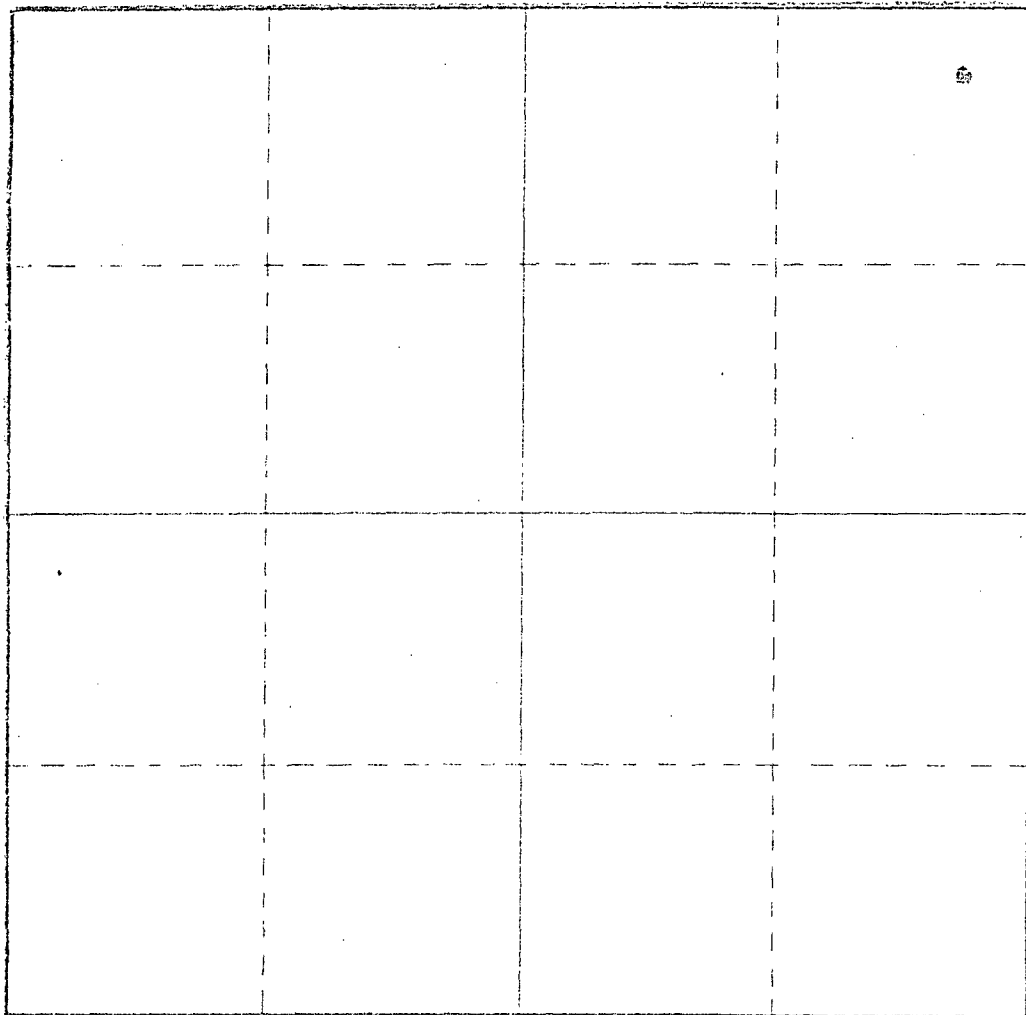
|  |                                  |                                 |                      |                             |                                       |
|--|----------------------------------|---------------------------------|----------------------|-----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>Fee C. E. Roark</b> |                      | Well No.<br><b>N.M.A. 3</b> |                                       |
| Unit Letter<br><b>A-</b>   | Section<br><b>21</b>             | Township<br><b>24 S</b>         | Range<br><b>20 W</b> | County<br><b>Hidalgo</b>    |                                       |
| Actual Footage Location of Well:<br><b>350</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>East</b> line |                                  |                                 |                      |                             |                                       |
| Ground Level Elev.<br><b>4164</b>  | Producing Formation<br><b>--</b> |                                 | Pool<br><b>--</b>    |                             | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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 **D. R. Wall**  
 Position **District Geologist**  
 Company **Aminoil USA, Inc.**  
 Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
 Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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

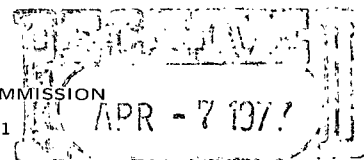
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000



|                        |   |
|------------------------|---|
| NO. OF COPIES RECEIVED | 6 |
| 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



OIL CONSERVATION 150 Indicate Type of Lease

APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK--GEOTHERMAL RESOURCES WELLSTATE ☒ FEE ☐

5.a State Lease No.

GTR-227

BLM /

|  |  |  |   |                                  |
|--|--|--|---|----------------------------------|
| 1a. Type of Work                           | Drill <input checked="" type="checkbox"/>  | Deepen <input type="checkbox"/>                      | Plug Back <input type="checkbox"/>          | 7. Unit Agreement Name           |
| b. Type of Well                            | Geothermal Producer <input type="checkbox"/>   | Temp Observation <input checked="" type="checkbox"/> | Injection/Disposal <input type="checkbox"/> | 8. Farm or Lease Name            |
| 2. Name of Operator                        | Aminoil USA, Inc.  |  |   | 9. Well No.                      |
| 3. Address of Operator                     | P.O. Box 11279, 1150 A Coddington Center<br>Santa Rosa, California 95406   |  |   | 10. Field and Pool, or Wildcat   |
| 4. Location of Well                        | UNIT LETTER M -- LOCATED 550 FEET FROM THE South LINE<br>AND 400 FEET FROM THE West LINE OF SEC. 33 TWP. 24 S RGE. 20 W NMPM |  |   | 12. County                       |
|  |  |  |   | Hildago                          |
| 19. Proposed Depth                         |  |  |   | 19A. Formation                   |
| 500 feet                                   |  |  |   | Tertiary Volcanic                |
| 20. Rotary or C.T.                         |  |  |   | Rotary                           |
| 21. Elevations (Show whether DF, RT, etc.) |  | 21A. Kind & Status Plug. Bond                        |   | 22. Approx. Date Work will start |
| 4185 A.S.L. (GE)                           |  | 8073-83-26   |   | April 1977                       |
| 21B. Drilling Contractor                   |  |  |   |                                  |
| Cason Drilling Co.                         |  |  |   |                                  |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |
|              |                |                 |               |                 |          |

- 1) Dig 5x5x5 feet sump.
- 2) Drill 4 1/2" hole to 500 feet with air or Bentonite Gel when needed.
- 3) Run 1 1/4" black pipe from surface to T.D., with plug at bottom.
- 4) Fill Annulus with Bentonite Gel and rock cuttings, upper 20 feet filled with cement.
- 5) Fill black pipe with water.
- 6) Fill sump, repair ground
- 7) Take temperature surveys up to 4 months after completion.
- 8) Cut off tubing below ground, cap, abandon, repair ground.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED

EXPIRES 7/3/77

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 D. R. Wall, D. R. Wall Title District Geologist Date 3/9/77

(This space for State Use)

APPROVED BY Carl Ulvag TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/4/77

CONDITIONS OF APPROVAL, IF ANY:

**GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

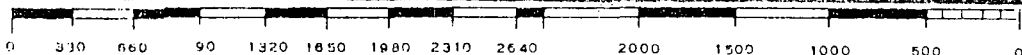
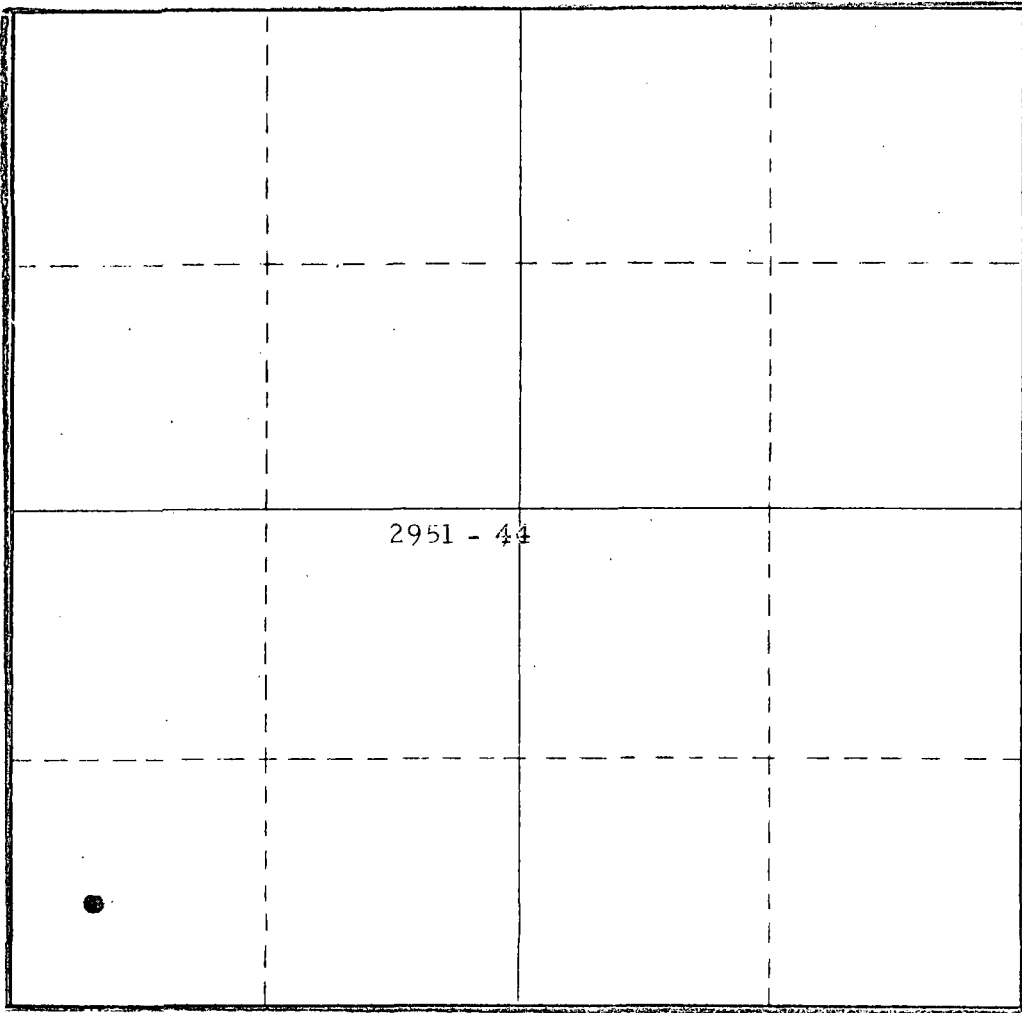
|  |                                  |  |                                       |                             |
|--|----------------------------------|--|---------------------------------------|-----------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>CGTR-227 44 APR - 7 1977</b> |                                       | Well No.<br><b>N.M.A. 7</b> |
| Unit Letter<br><b>--M</b>  | Section<br><b>33</b>             | Township<br><b>24 S</b>                  | Range<br><b>20 W</b>                  | County<br><b>Hidalgo</b>    |
| Actual Footage Location of Well:<br><b>550</b> feet from the <b>South</b> line and <b>400</b> feet from the <b>West</b> line |                                  |  |                                       |                             |
| Ground Level Elev.<br><b>4185</b>  | Producing Formation<br><b>--</b> | Pool<br><b>--</b>                        | Dedicated Acreage:<br><b>--</b> Acres |                             |

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

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

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 **A.R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_  
Certificate No. \_\_\_\_\_

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                         |                      |                                       |  |
|--|----------------------------------|-------------------------|----------------------|---------------------------------------|--|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>GTR-227</b> |                      | Well No.<br><b>N.M.A. 7</b>           |  |
| Unit Letter<br><b>M</b>  | Section<br><b>33</b>             | Township<br><b>24 S</b> | Range<br><b>20 W</b> | County<br><b>Hildago</b>              |  |
| Actual Footage Location of Well:<br><b>550</b> feet from the <b>South</b> line and <b>400</b> feet from the <b>West</b> line |                                  |                         |                      |                                       |  |
| Ground Level Elev.<br><b>4185</b>  | Producing Formation<br><b>--</b> | Pool<br><b>--</b>       |                      | Dedicated Acreage:<br><b>--</b> Acres |  |

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

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

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form 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 **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**

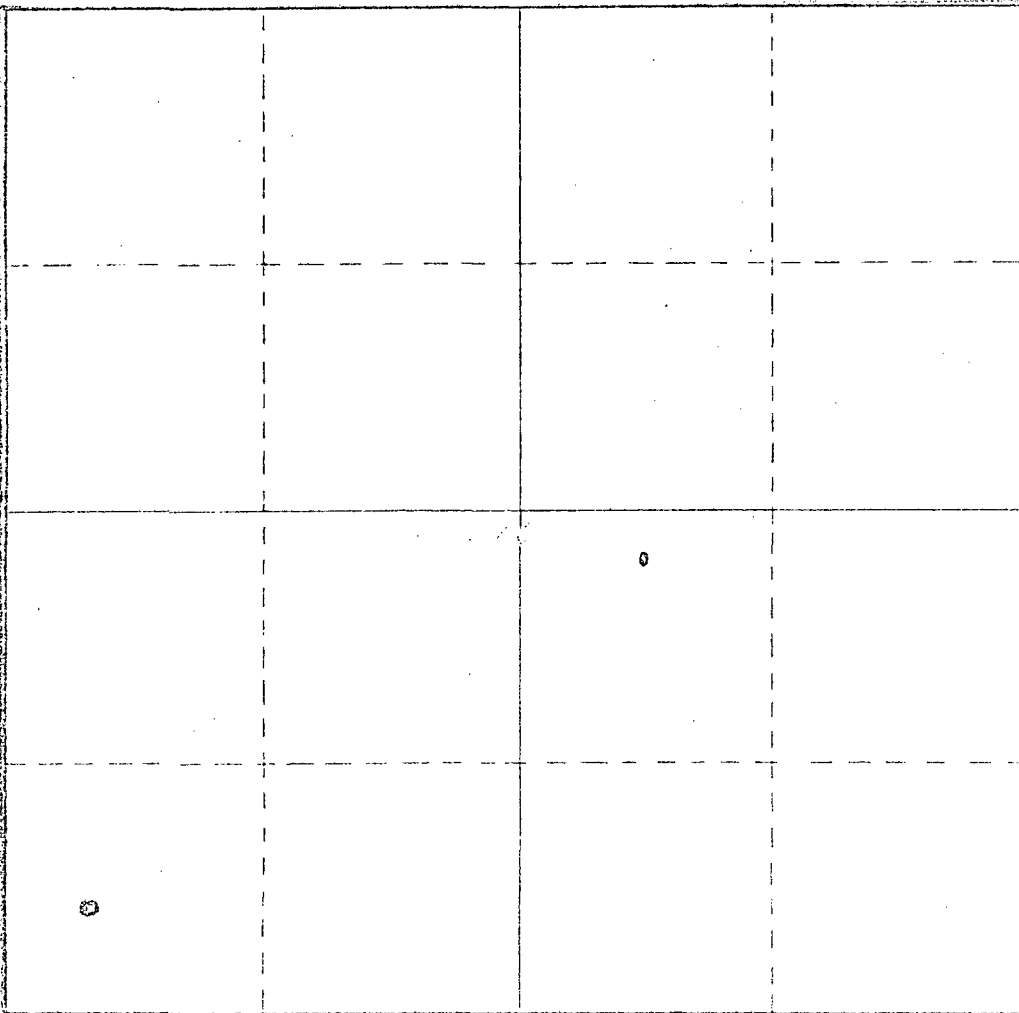
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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



GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                         |                      |                          |                                       |
|--|----------------------------------|-------------------------|----------------------|--------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>GTR-227</b> |                      | Well No. <b>N.M.A. 7</b> |                                       |
| Unit Letter<br><b>M</b>  | Section<br><b>33</b>             | Township<br><b>24 S</b> | Range<br><b>20 W</b> | County<br><b>Hildago</b> |                                       |
| Actual Footage Location of Well:<br><b>550</b> feet from the <b>South</b> line and <b>400</b> feet from the <b>West</b> line |                                  |                         |                      |                          |                                       |
| Ground Level Elev.<br><b>4185</b>  | Producing Formation<br><b>--</b> |                         | Pool<br><b>--</b>    |                          | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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

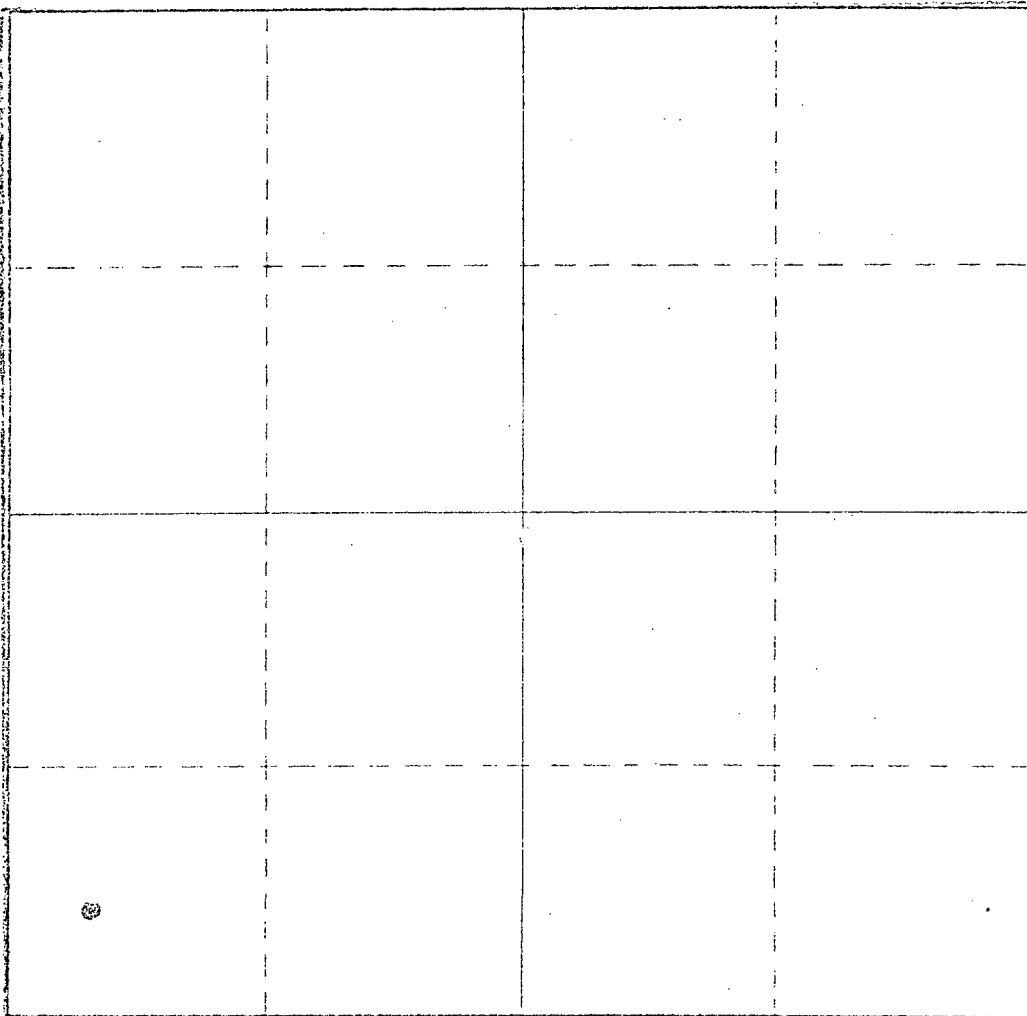
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **A. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**  
Date **3/9/77**

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

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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



0 310 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

|  |                                  |                         |                      |                             |                                       |
|--|----------------------------------|-------------------------|----------------------|-----------------------------|---------------------------------------|
| Operator<br><b>Aminoil USA, Inc.</b>   |                                  | Lease<br><b>GTR-227</b> |                      | Well No.<br><b>N.M.A. 7</b> |                                       |
| Unit Letter<br><b>--M</b>  | Section<br><b>33</b>             | Township<br><b>24 S</b> | Range<br><b>20 W</b> | County<br><b>Hildago</b>    |                                       |
| Actual Footage Location of Well:<br><b>550</b> feet from the <b>South</b> line and <b>400</b> feet from the <b>West</b> line |                                  |                         |                      |                             |                                       |
| Ground Level Elev.<br><b>4185</b>  | Producing Formation<br><b>--</b> |                         | Pool<br><b>--</b>    |                             | Dedicated Acreage:<br><b>--</b> Acres |

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

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

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 **D. R. Wall**  
Position **District Geologist**  
Company **Aminoil USA, Inc.**

Date **3/9/77**

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

Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

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

0 310 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000