

GTLT - _____8_____

**(2-27)-24S-19W
Aminoil USA, Inc.
(Hidalgo County)**

**GTR-211 NMA-9; GTR-94
NMA-4; NMA-11; NMA-5;
GTR-97 NMA-6 &
GTR-102 NMA-7**

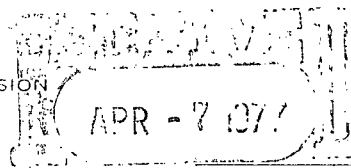
NO. OF COPIES RECEIVED	6
DISTRIBUTION	
File	1
N.M.B.M.	1
U.S.G.S.	1
Operator	1
Land Office	1

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

OIL CONSERVATION

5. Indicate Type of Lease

STATE ☒FEE ☐

5.a State Lease No.

GTR-211

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

--

2. Name of Operator

Aminoil USA, Inc.

9. Well No.

N. M. A. 9

3. Address of Operator

P. O. Box 11279, 1150 A Coddington Center
Santa Rosa, California 9540610. Field and Pool, or Wildcat
Wildcat

4. Location of Well

UNIT LETTER --L LOCATED 1425 FEET FROM THE South LINE

AND 400

FEET FROM THE East LINE OF SEC. 2 TWP. 24 S RGE. 19 W NMPM

12. County

Hidalgo

19. Proposed Depth

500'

19A. Formation

Tertiary Volcanics Rotary

20. Rotary or C.T.

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

4458 A.S.L. (GE)

21A. Kind & 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

Carol 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.

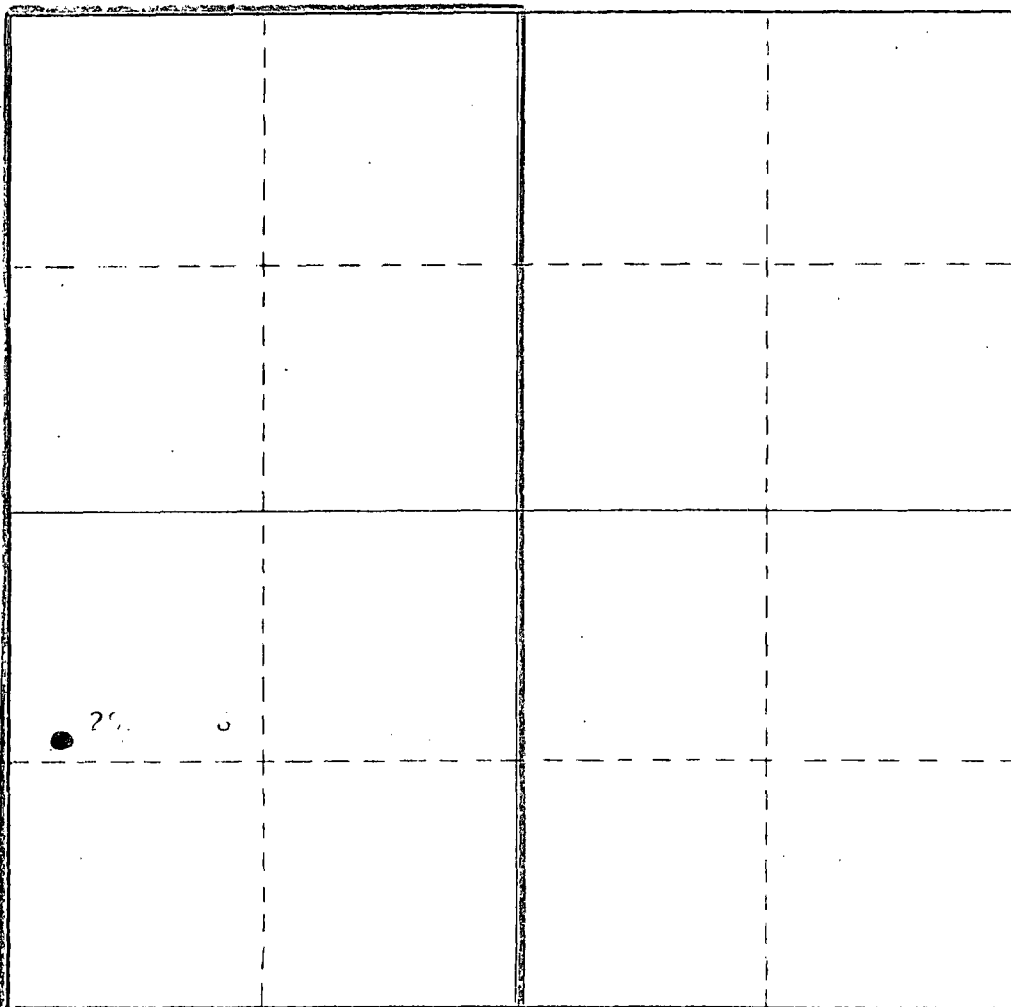
Operator Aminoil USA, Inc.			Lease StatGTR-21128		Well No. N.M.A. 9	
Unit Letter L--	Section 2	Township 24 S	Range 19 W	County Hidalgo		
Actual Footage Location of Well: 1425 feet from the South line and 400 feet from the East line						
Ground Level Elev. 4458	Producing Formation --		Pool --		Dedicated Acreage: -- Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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.) _____

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

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

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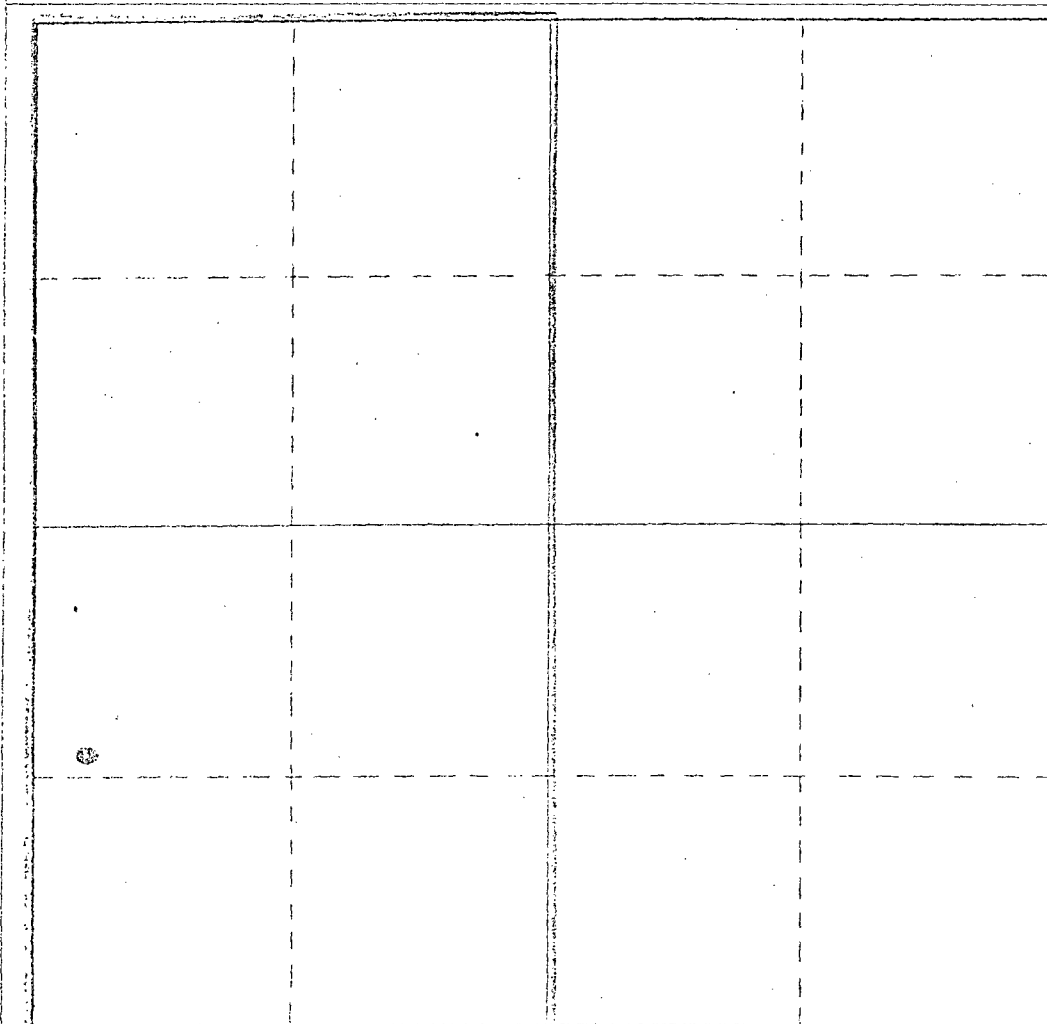
Operator Aminoil USA, Inc.		Lease GTR-211		Well No. N.M.A. 9	
Unit Letter L--	Section 2	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 1425 feet from the South line and 400 feet from the East line					
Ground Level Elev. 4458	Producing Formation --	Pool --	Dedicated Acreage: -- Acres		

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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

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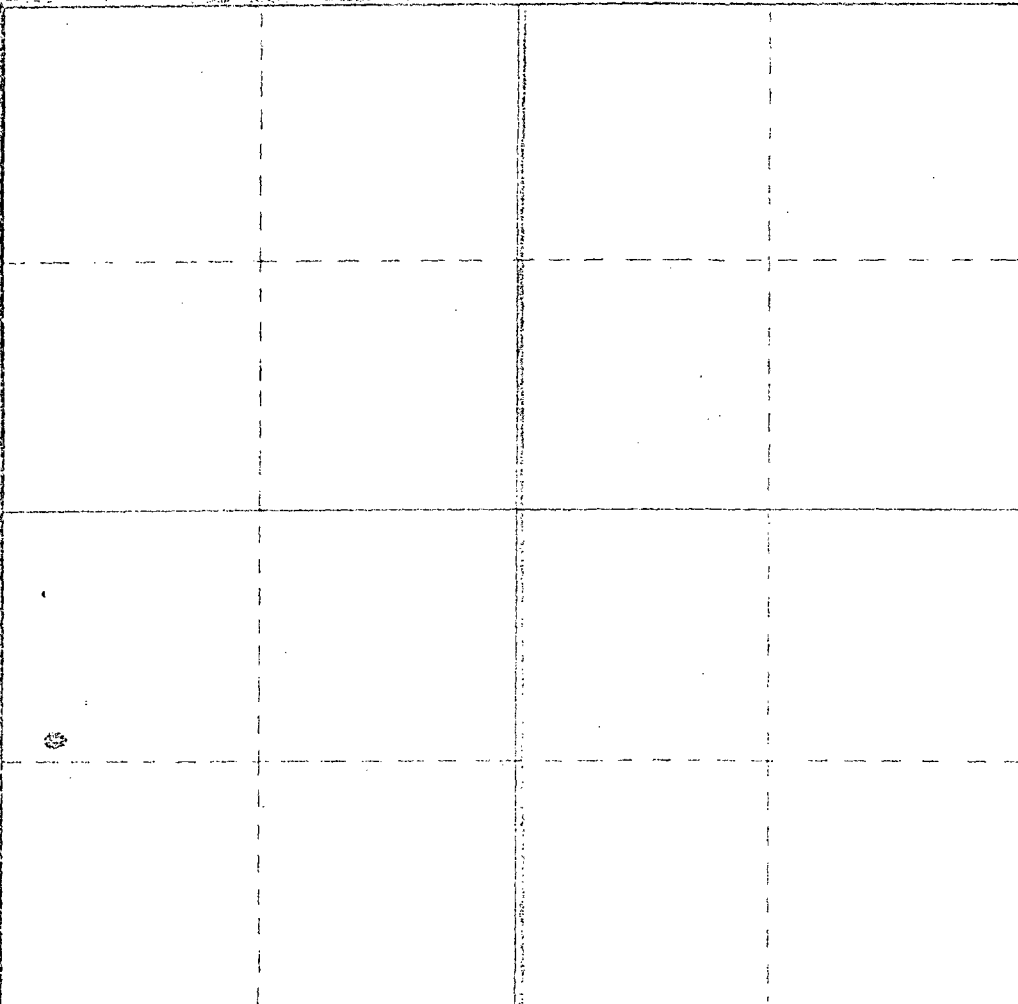
Operator Aminoil USA, Inc.		Lease GTR-211		Well No. N.M.A. 9	
Unit Letter L	Section 2	Township 24 S	Range 19 W	County Hidalgo	
Acreal Footage Location of Well: 1425 feet from the South line and 400 feet from the East line					
Ground Level Elev. 4458	Producing Formation --		Pool --		Dedicated Acreage: -- Acres

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	Position District Geologist
	Company Aminoil USA, Inc.
	Date 3/9/77
	<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>
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	Registered Professional Engineer and/or Land Surveyor _____
	Certificate No. _____

500 600 90 1320 1650 1980 2310 2640 2900 3500 4000 500 0

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator Aminoil USA, Inc.		Lease GTR-211		Well No. N.M.A. 9	
Unit Letter L	Section 2	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 1425 feet from the South line and 400 feet from the East line					
Ground Level Elev. 4458	Producing Formation --		Pool --		Dedicated Acreage: -- Acres

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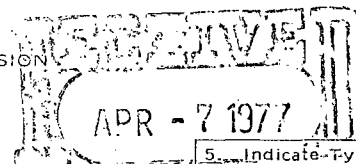
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	Name	D. R. Wall
	Position	District Geologist
	Company	Aminoil USA, Inc.
	Date	3/9/77
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same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

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

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

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

5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> M. FEE <input type="checkbox"/>
5a. State Lease No.	GTR-94

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
File	/
N.M.B.M.	/
U.S.G.S.	/
Operator	/
Land Office	/

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"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	8. Farm or Lease Name	--
2. Name of Operator	Aminoil USA, Inc.	9. Well No.	N.M.A.4
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 ---G LOCATED 1450 FEET FROM THE North LINE AND 1400 FEET FROM THE East LINE OF SEC. 7 TWP. 24 S RGE. 19 W NMPM	12. County	Hildago
		19. Proposed Depth	500'
		19A. Formation	Tertiary Volcanics
		20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4208 A.S.L. (GE)	8073-83-26	Cason Drilling Co.	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.
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- 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:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

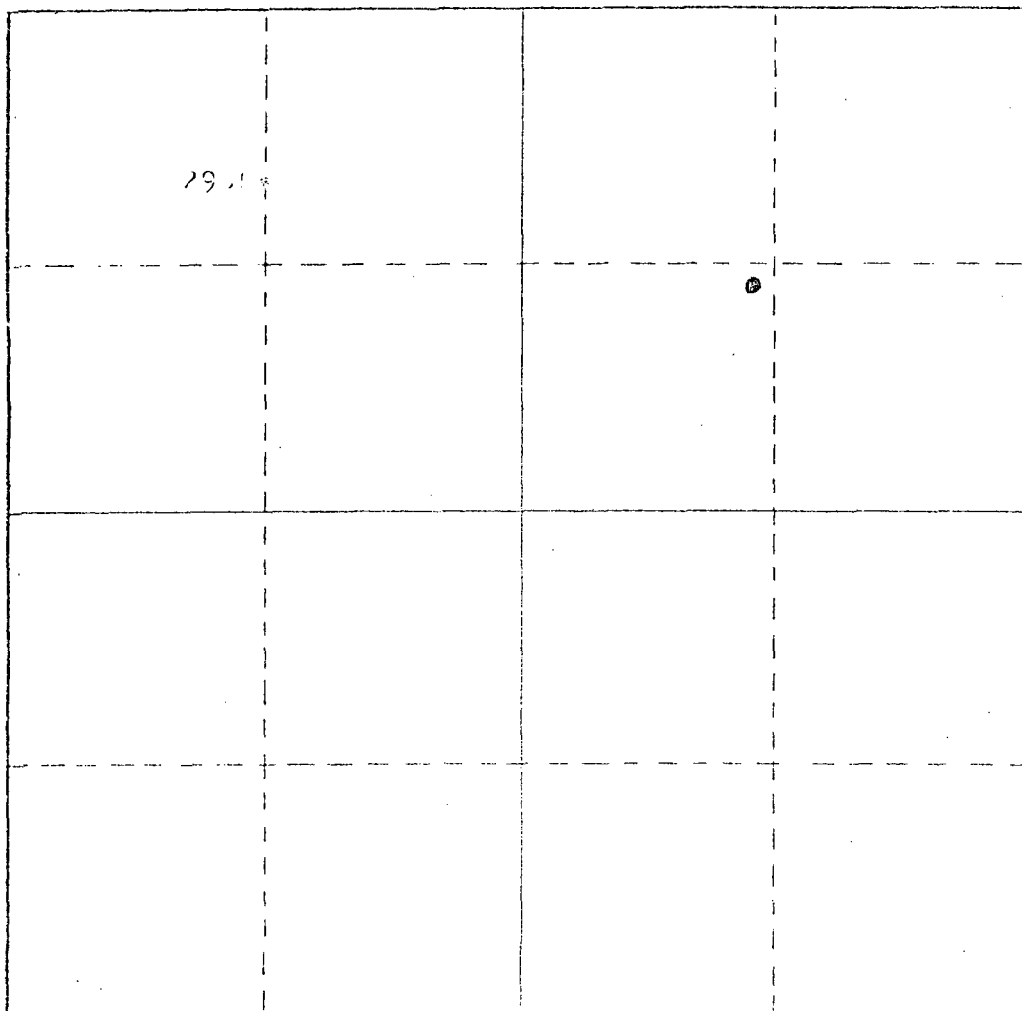
Operator Aminoil USA, Inc.			Lease GTR-294		APR - 7 1977		Well No. N.M.A.4
Unit Letter -- G	Section 7	Township 24 S	Range 19 W	County Hidalgo			
Actual Footage Location of Well: 1450 feet from the North line and 1400 feet from the East line							
Ground Level Elev. 4208 A.S.L.	Producing Formation --		Pool --		Dedicated Acreage: -- Acres		

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

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

Date **3/9/77**

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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. *A 10' 17"*

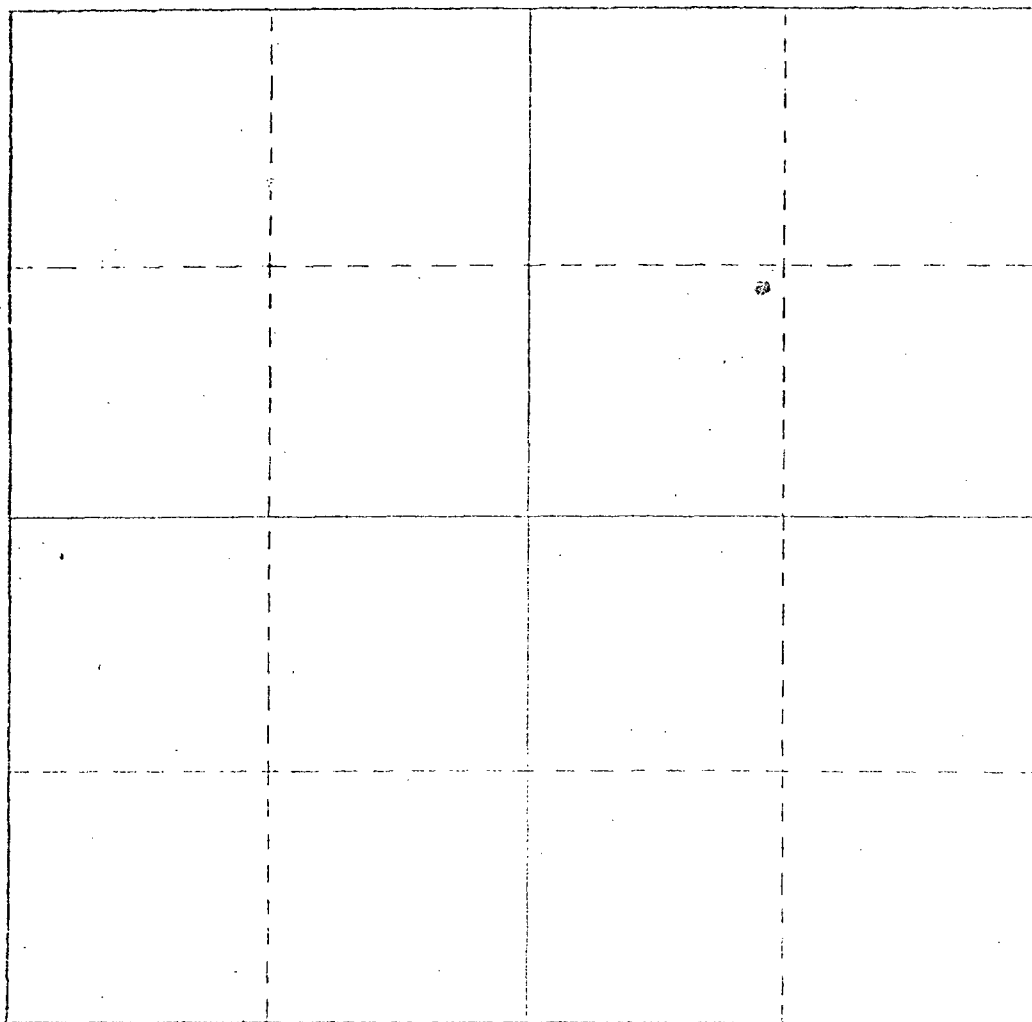
Operator Aminoil USA, Inc.		Lease GTR-94		Well No. N.M.A.4	
Unit Letter G	Section 7	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 1450 feet from the North line and 1400 feet from the East line					
Ground Level Elev. 4208 A.S.L.	Producing Formation --		Pool --	Dedicated Acreage: -- Acres	

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CERTIFICATION

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

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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 Aminoil USA, Inc.		Lease GTR-94		Well No. N.M.A.4	
Unit Letter G	Section 7	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 1450 feet from the North line and 1400 feet from the East line					
Ground Level Elev. 4208 A.S.L.	Producing Formation --		Pool --		Dedicated Acreage: -- Acres

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

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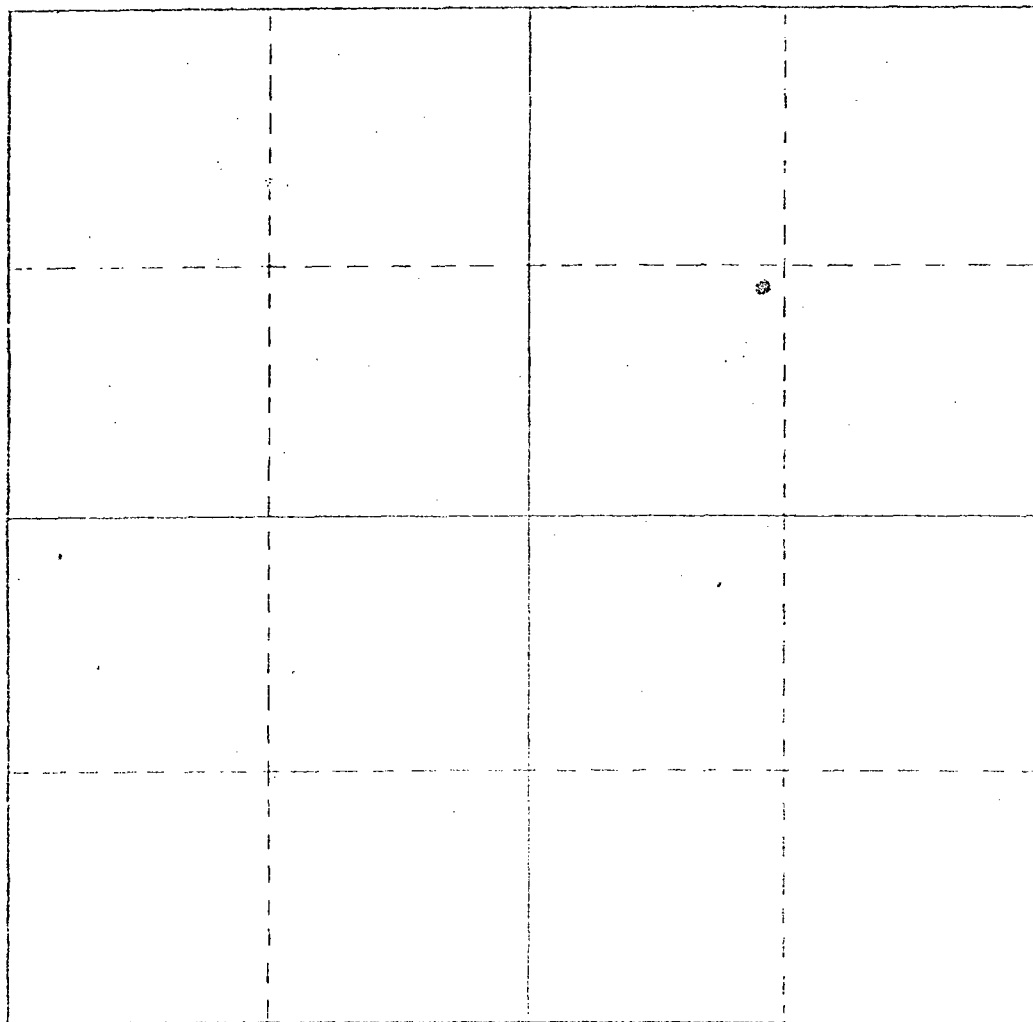
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NO. OF COPIES RECEIVED	6
DISTRIBUTION	
File	2 ✓
N.M.B.M.	1
U.S.G.S.	1
Operator	1
Land Office	

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P. O. Box 2088, Santa Fe 87504

APR - 7 1977

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
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5. Indicate Type of Lease

STATE ☐FEE ☒

5.a State Lease No.

2001 - 52

7. Unit Agreement Name

--

8. Farm or Lease Name

W. Kerr

9. Well No.

N.M.A. -11

10. Field and Pool, or Wildcat
Wildcat12. County
Hidalgo

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

2. Name of Operator
Aminoil USA, Inc.3. Address of Operator
P.O. Box 11279, 1150 A Coddington Center
Santa Rosa, California 95406

4. Location of Well UNIT LETTER --A LOCATED 1100 FEET FROM THE North LINE

AND 450 FEET FROM THE East LINE OF SEC. 18 TWP. 24 S RGE. 19 W NMPM

19. Proposed Depth

500'

19A. Formation

Tertiary Volcanics

20. Rotary or C.T.

Rotary

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

4207 A.S.L. (GE)

21A. Kind & 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

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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

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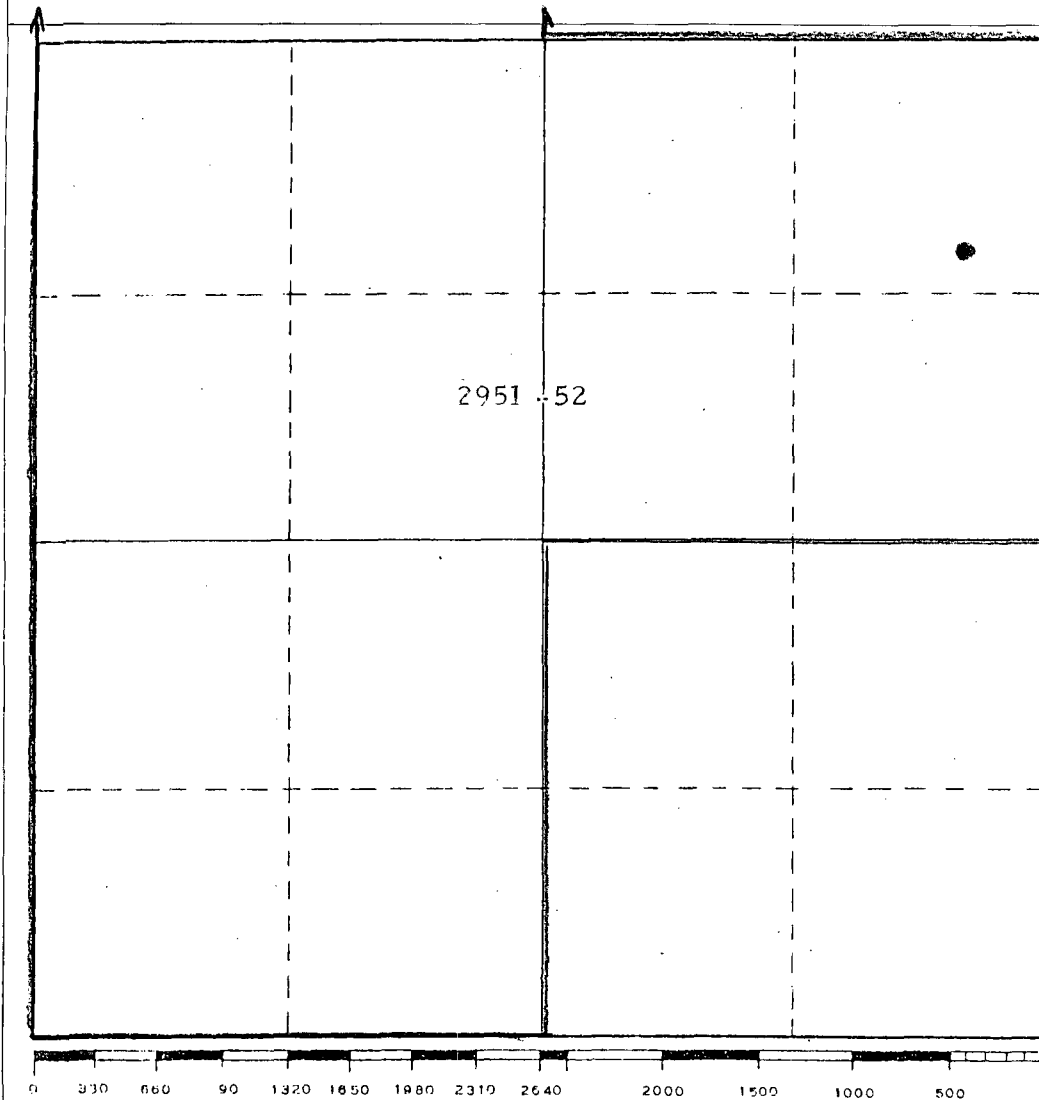
Operator Aminoil USA, Inc.			Lease Fee W. Kerr			Well No. N.M.A. -11		
Unit Letter A --	Section 18	Township 24 S	Range 19 W	County Hidalgo				
Actual Footage Location of Well: 1100 feet from the North line and 450 feet from the East line								
Ground Level Elev. 4207		Producing Formation --		Pool --		Dedicated Acreage: -- Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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Company **Aminoil USA, Inc.**
Date **3/9/77**

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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 Aminoil USA, Inc.		Lease Fee W. Kerr		Well No. N.M.A. -11	
Unit Letter A	Section 18	Township 24 S	Range 19 W	County Hidalgo	

Actual Footage Location of Well:

1100 feet from the **North** line and **450** feet from the **East** line

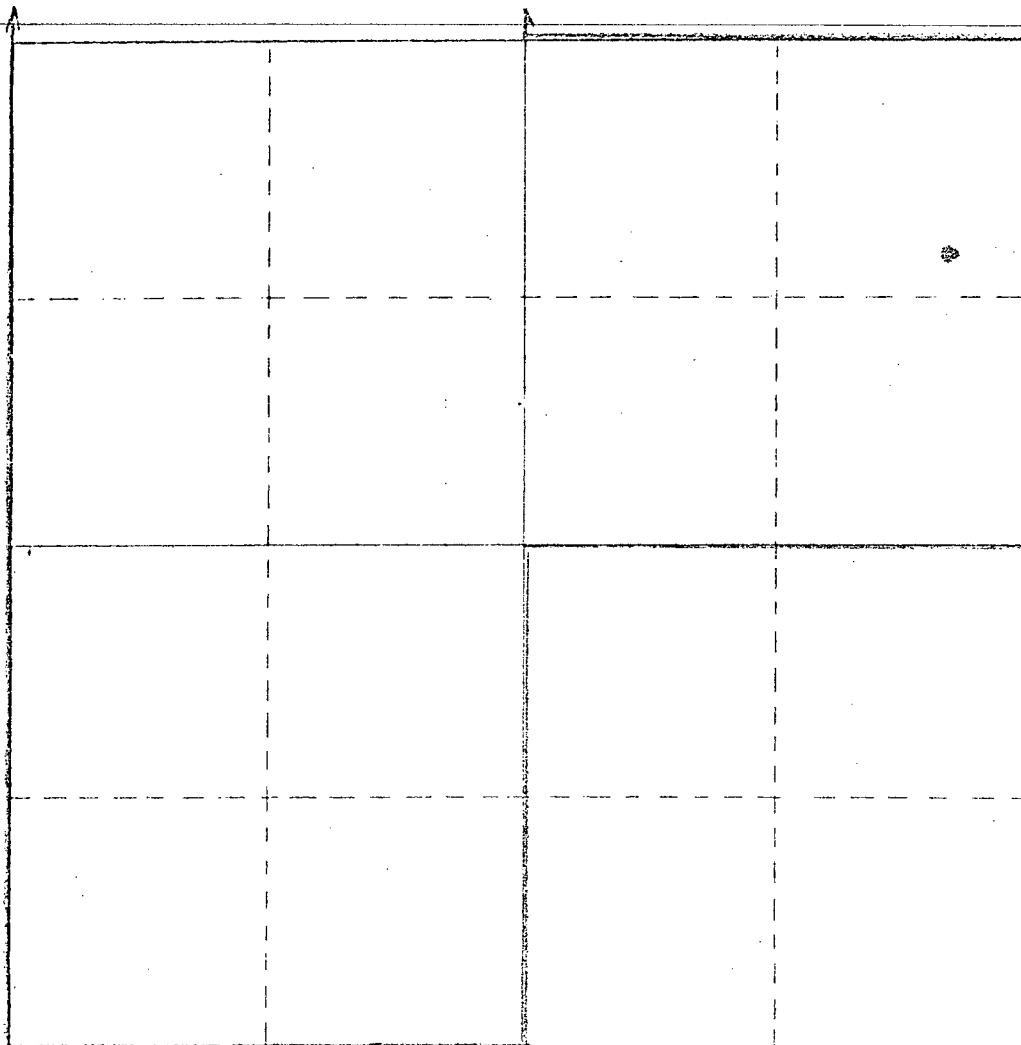
Ground Level Elev. 4207	Producing Formation --	Pool --	Dedicated Acreage: -- Acres
-----------------------------------	----------------------------------	-------------------	---------------------------------------

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.) _____

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CERTIFICATION

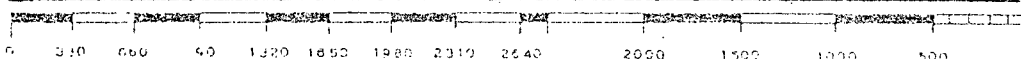
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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 _____

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GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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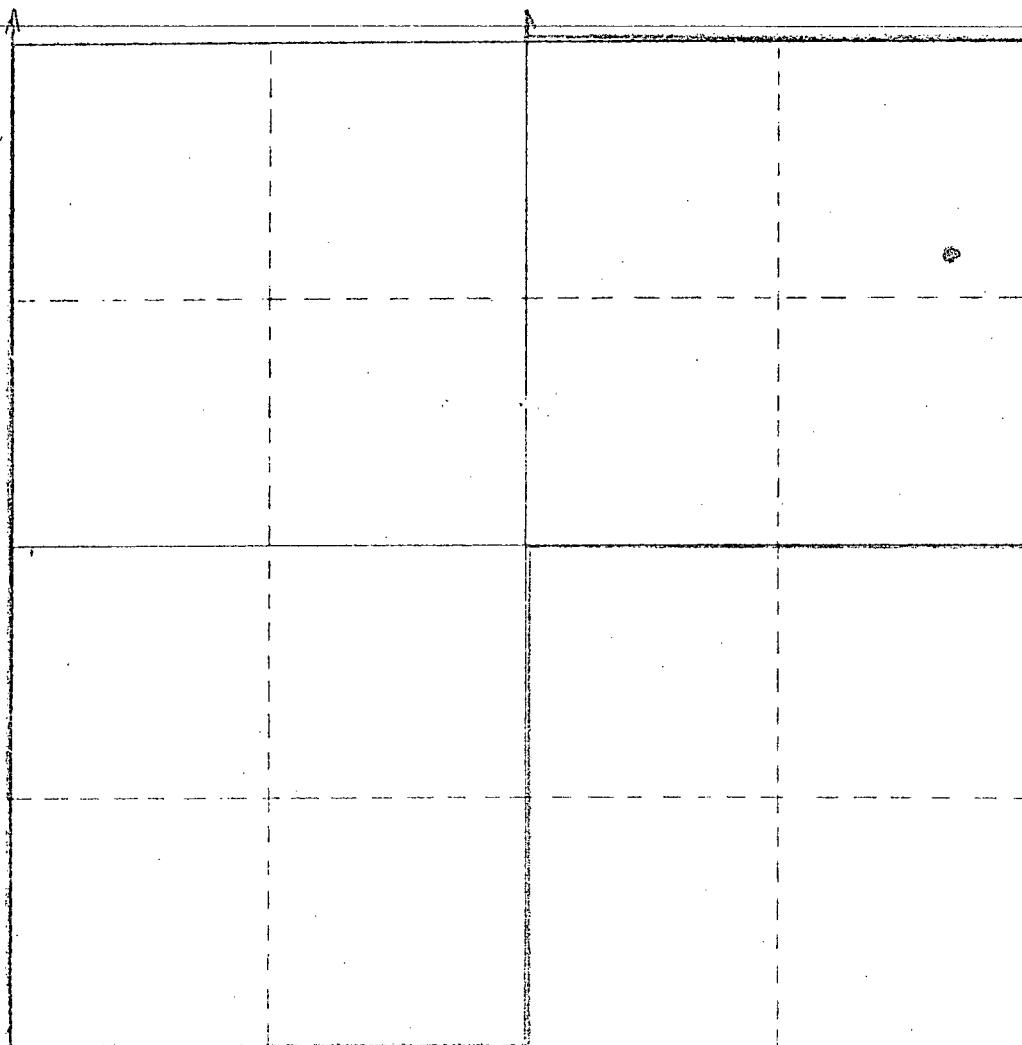
Operator Aminoil USA, Inc.		Lease Fee W. Kerr		Well No. N.M.A. -11	
Unit Letter A	Section 18	Township 24 S	Range 19 W	County Hidalgo	
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Certificate No.

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GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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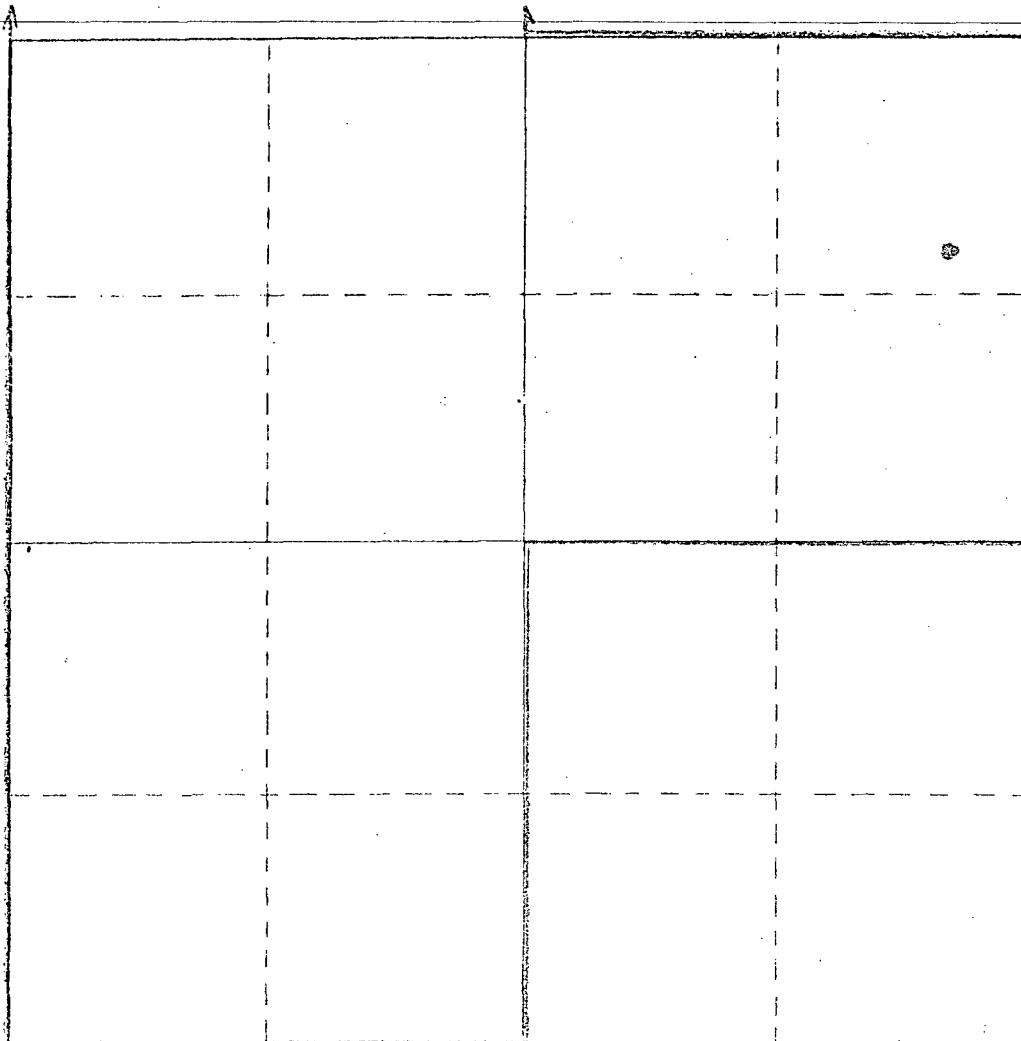
Operator Aminoil USA, Inc.		Lease Fee W. Kerr		Well No. N.M.A.-11	
Unit Letter A	Section 18	Township 24 S	Range 19 W	County Hidalgo	
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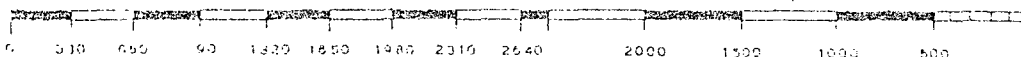
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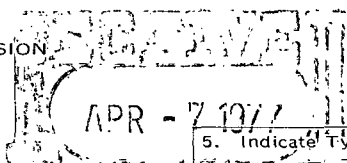
Certificate No. _____



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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



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

5. Indicate Type of Lease

STATE ☒ FEE ☒5.a State Lease No
PC 2951 - 58

BLM

1

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"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	8. Farm or Lease Name	C. E. Roark
2. Name of Operator	Aminoil USA, Inc.	9. Well No.	N.M.A. 5
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 -- K LOCATED 1875 FEET FROM THE South LINE AND 2150 FEET FROM THE West LINE OF SEC. 19 TWP. 24 S RGE. 19 W NMPM	12. County	Hidalgo
		19. Proposed Depth	500'
		19A. Formation	Tertiary Volcanics
		20. Rotary or C.T.	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
4196 A.S.L. (GE)	8073-83-26	Cason Drilling Co.	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:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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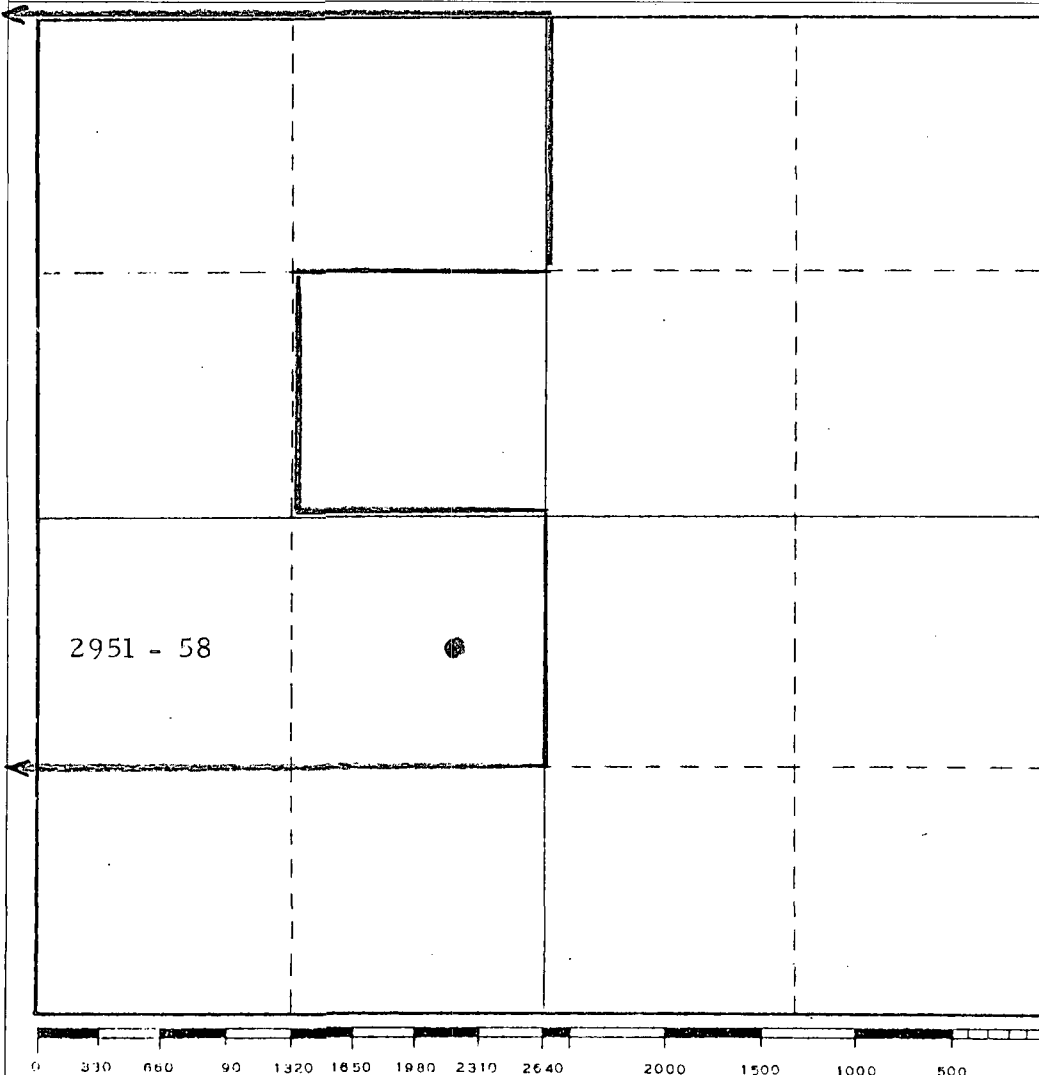
Operator Aminoil USA, Inc.		Lease Fee C. E. Roark 291-58		Well No. N.M.A. 5	
Unit Letter K--	Section 19	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 1875 feet from the South line and 2150 feet from the West line					
Ground Level Elev. 4196 A.S.L.	Producing Formation --		Pool --		Dedicated Acreage: -- Acres

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Company **Aminoil USA, Inc.**
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Date Surveyed

Registered Professional Engineer
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Certificate No.

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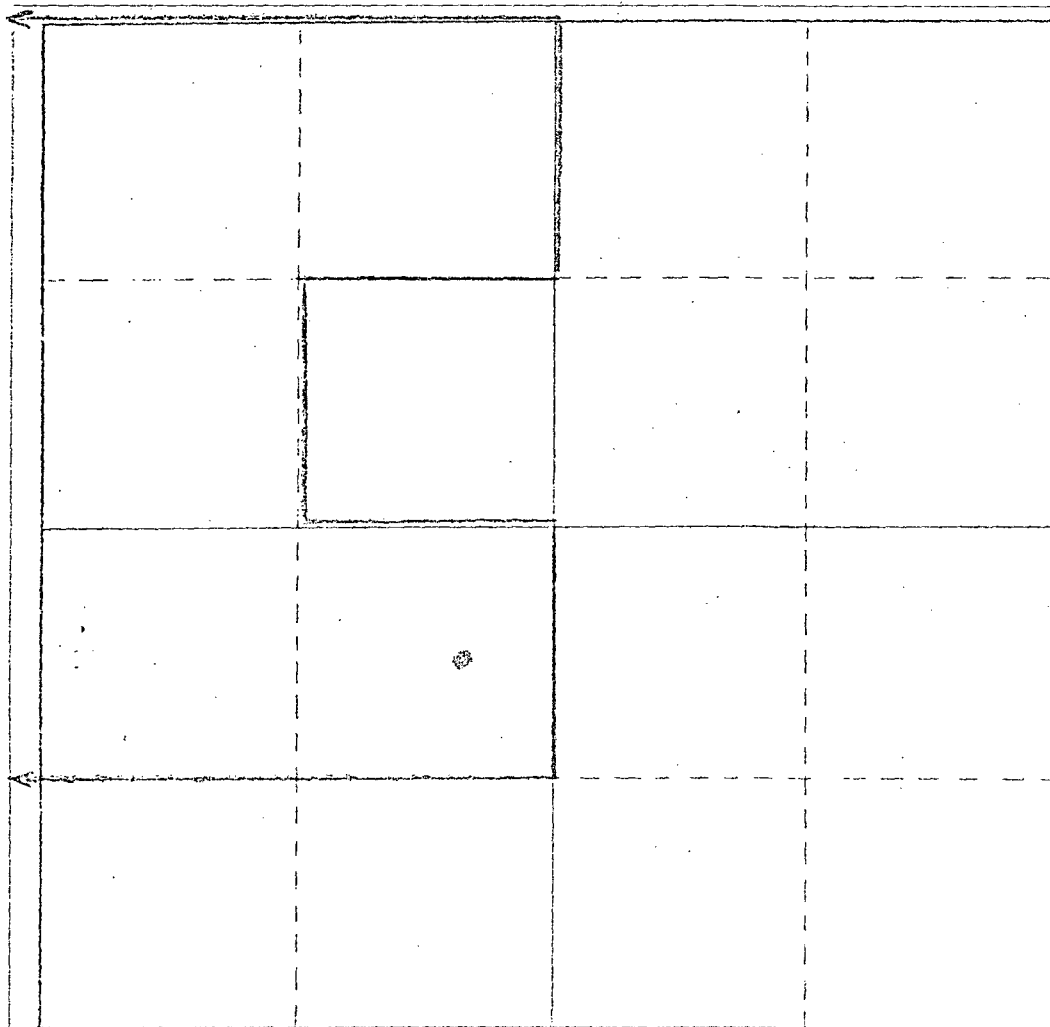
Operator Aminoil USA, Inc.		Lease Fee C. E. Roark		Well No. N.M.A. 5	
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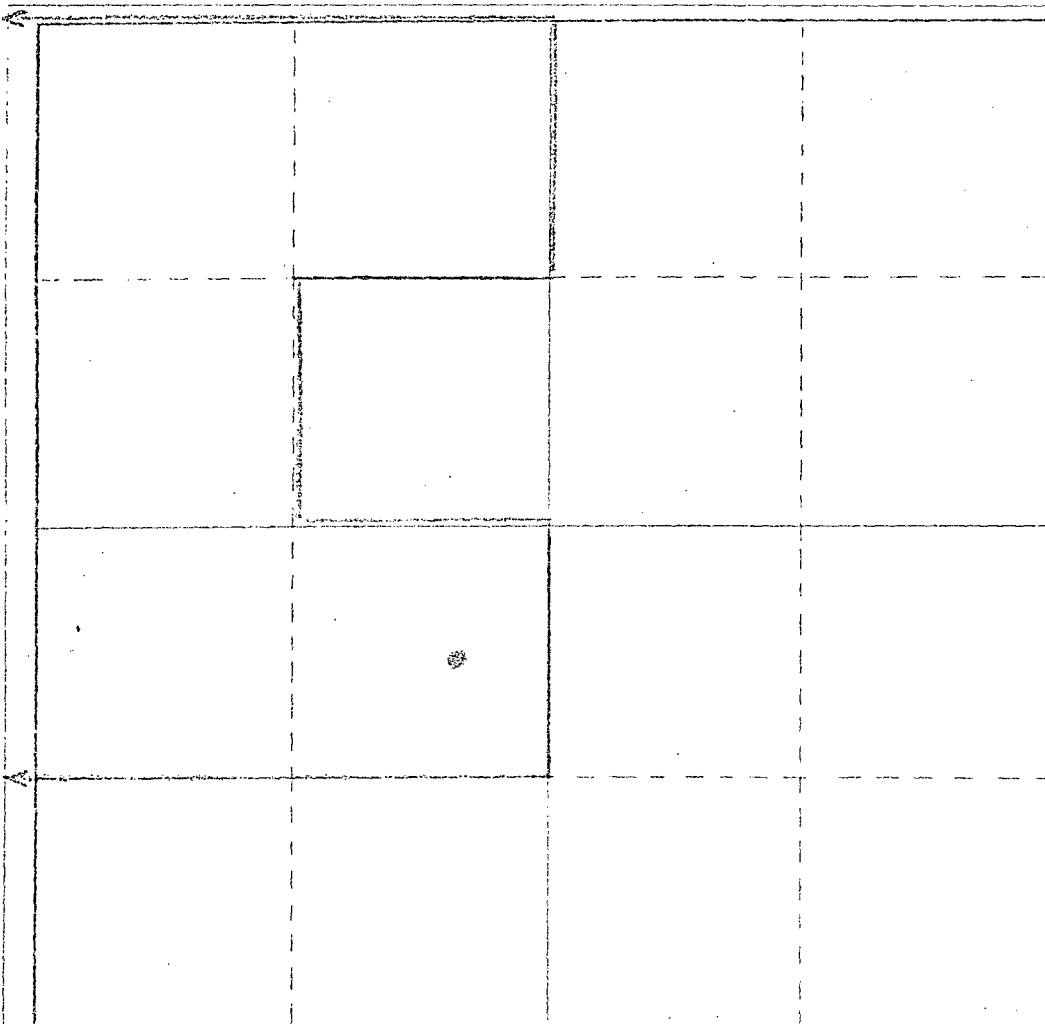
Operator Aminoil USA, Inc.		Lease Fee C. E. Roark		Well No. N.M.A. 5	
Unit Letter K	Section 19	Township 24 S	Range 19 W	County Hidalgo	
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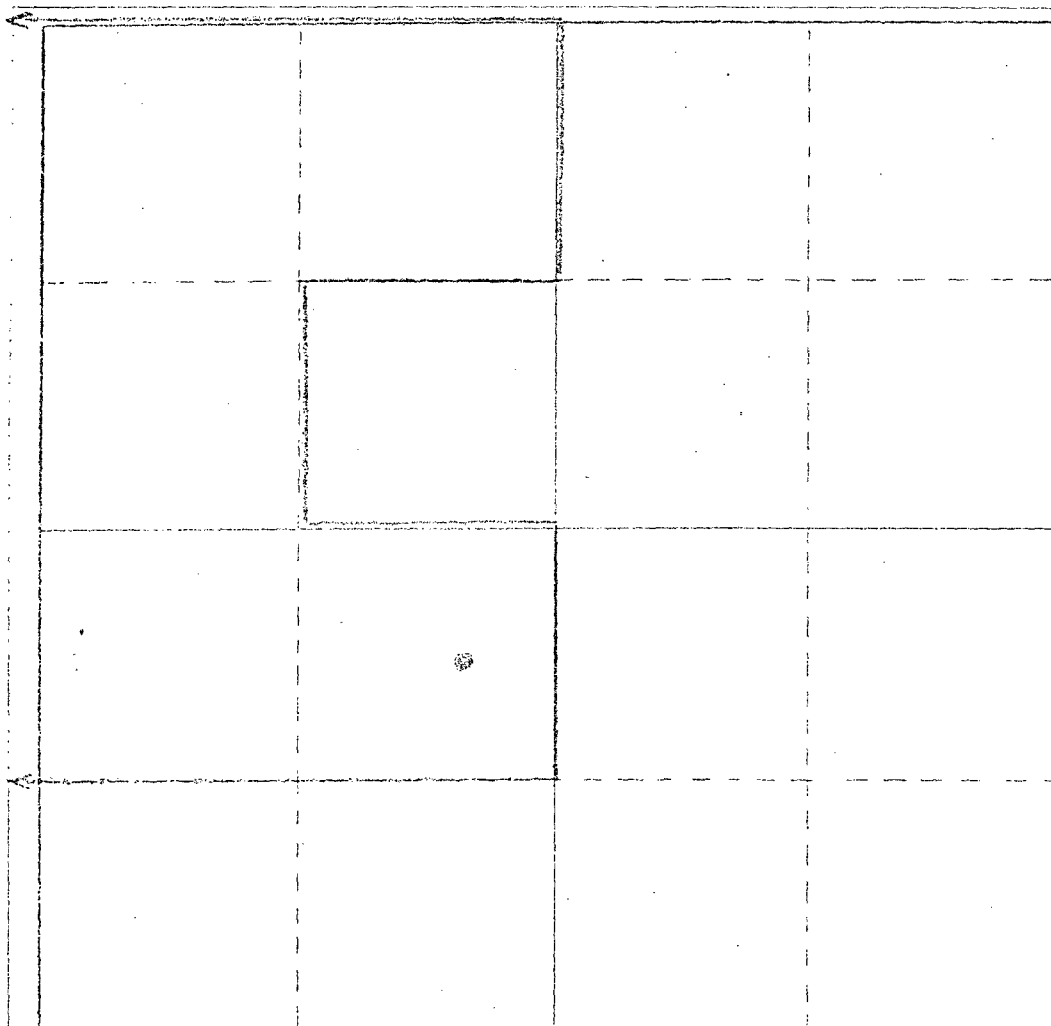
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Unit Letter K	Section 19	Township 24 S	Range 19 W	County Hidalgo	
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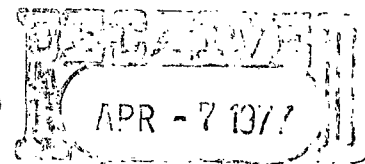
Certificate No. _____

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

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK--GEOTHERMAL RESOURCES WELLOIL CONSERVATION COMMISSION
5. Indicate Type of Lease
STATE ☒ FEE ☐5.a State Lease No.
2GTR-977. Unit Agreement Name
--8. Farm or Lease Name
--9. Well No.
N.M.A. 610. Field and Pool, or Wildcat
Wildcat12. County
Hidalgo1a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐b. Type of Well Geothermal Producer ☐ Temp Observation ☒
Low-Temp Thermal ☐ Injection/Disposal ☐2. Name of Operator
Aminoil USA, Inc.3. Address of Operator
P.O. Box 11279, 1150 A Coddington Center
Santa Rosa, California 954064. Location of Well UNIT LETTER G -- LOCATED 2500 FEET FROM THE North LINEAND 1650 FEET FROM THE East LINE OF SEC. 21 TWP. 24 S RGE. 19 W NMPM

19. Proposed Depth

500'

19A. Formation

Tertiary Volcanics Rotary

20. Rotary or C.T.

21. Elevations (Show whether DF, RT, etc.)
4333 A.S.L. (GE)21A. Kind & Status Plug. Bond
8073-83-2621B. 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.
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- 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 GEOLOGISTDATE 4/4/77

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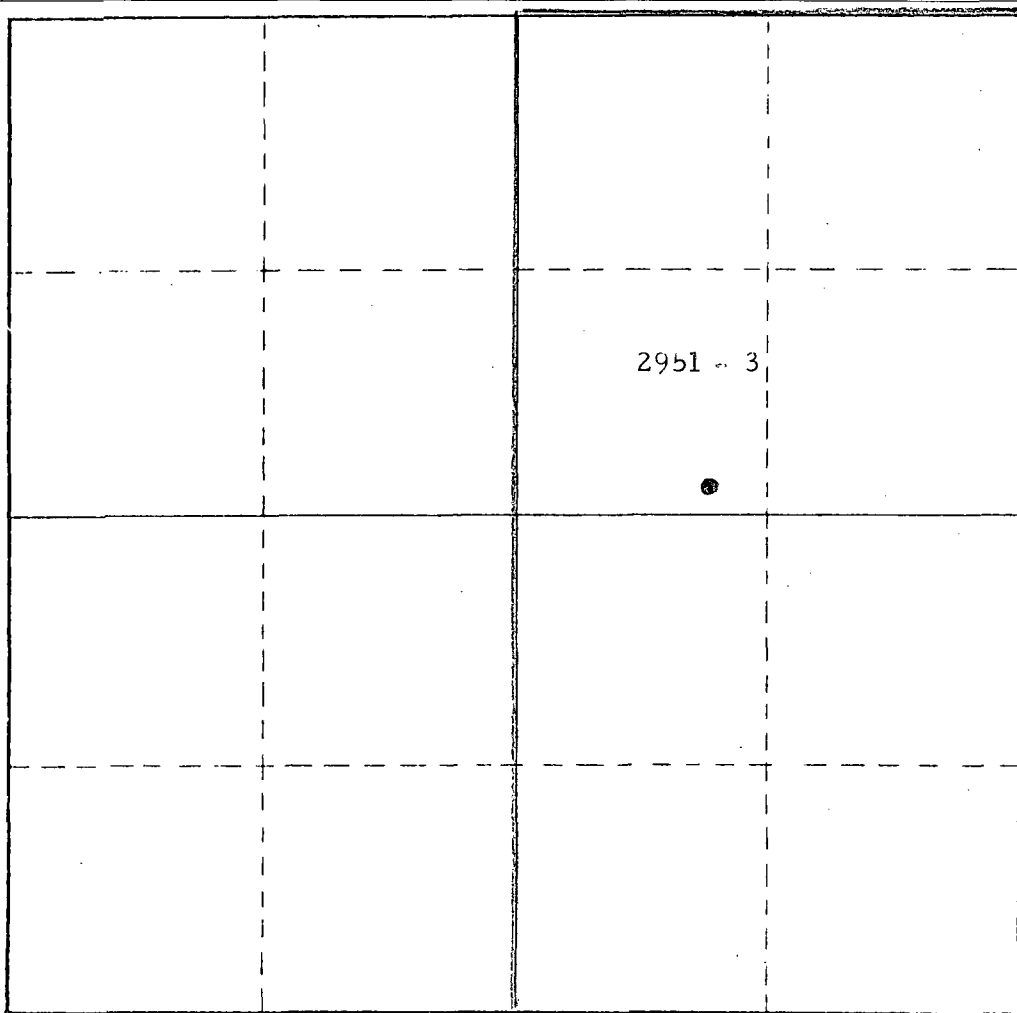
Operator Aminoil USA, Inc.		Lease GTR-9751 - 3		Well No. N.M.A. 6	
Unit Letter -- G	Section 21	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 2500 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 4333	Producing Formation --	Pool --	Dedicated Acreage: -- 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).
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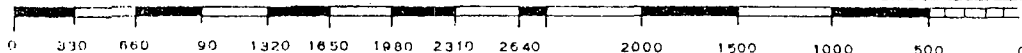
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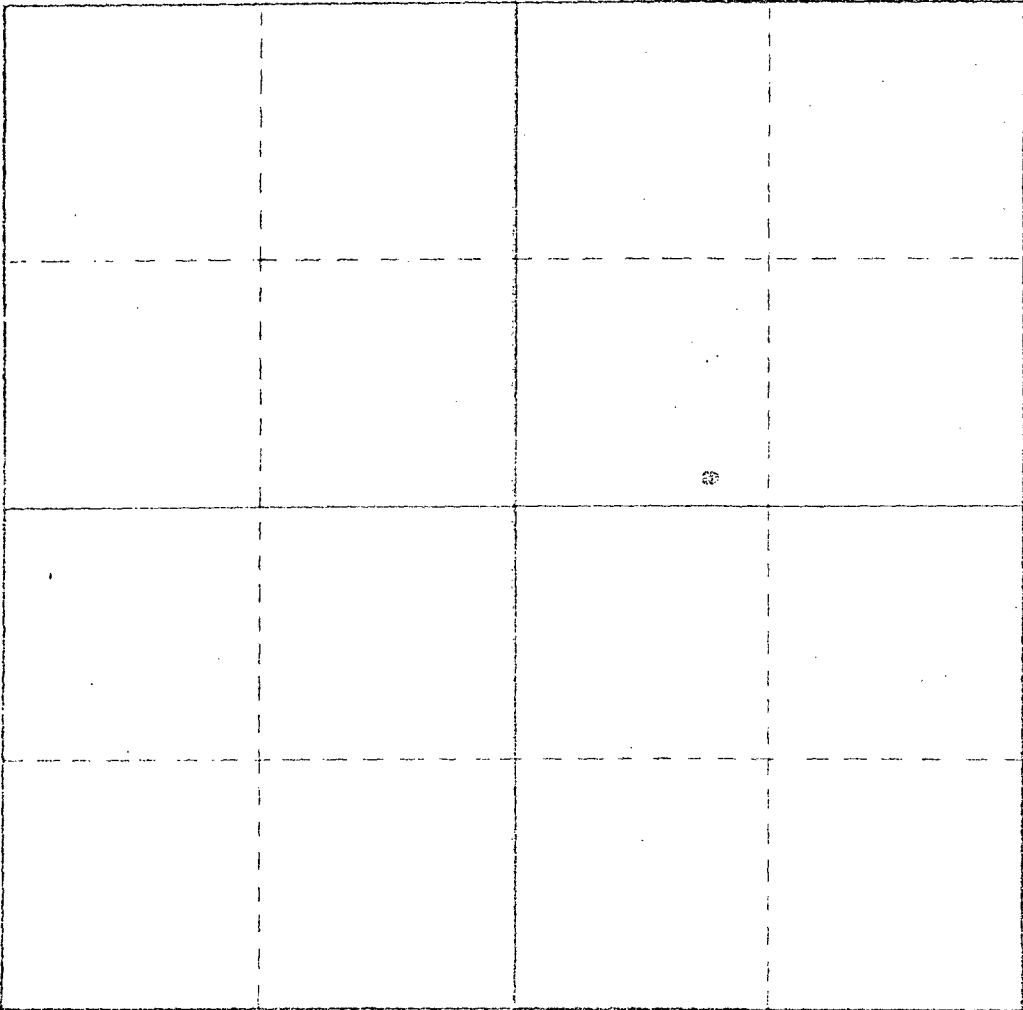
Operator Aminoil USA, Inc.		Lease GTR-97		Well No. N.M.A. 6	
Unit Letter G	Section 21	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 2500 feet from the North line and 1650 feet from the East line					
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	Company Aminoil USA, Inc.
	Date 3/9/77
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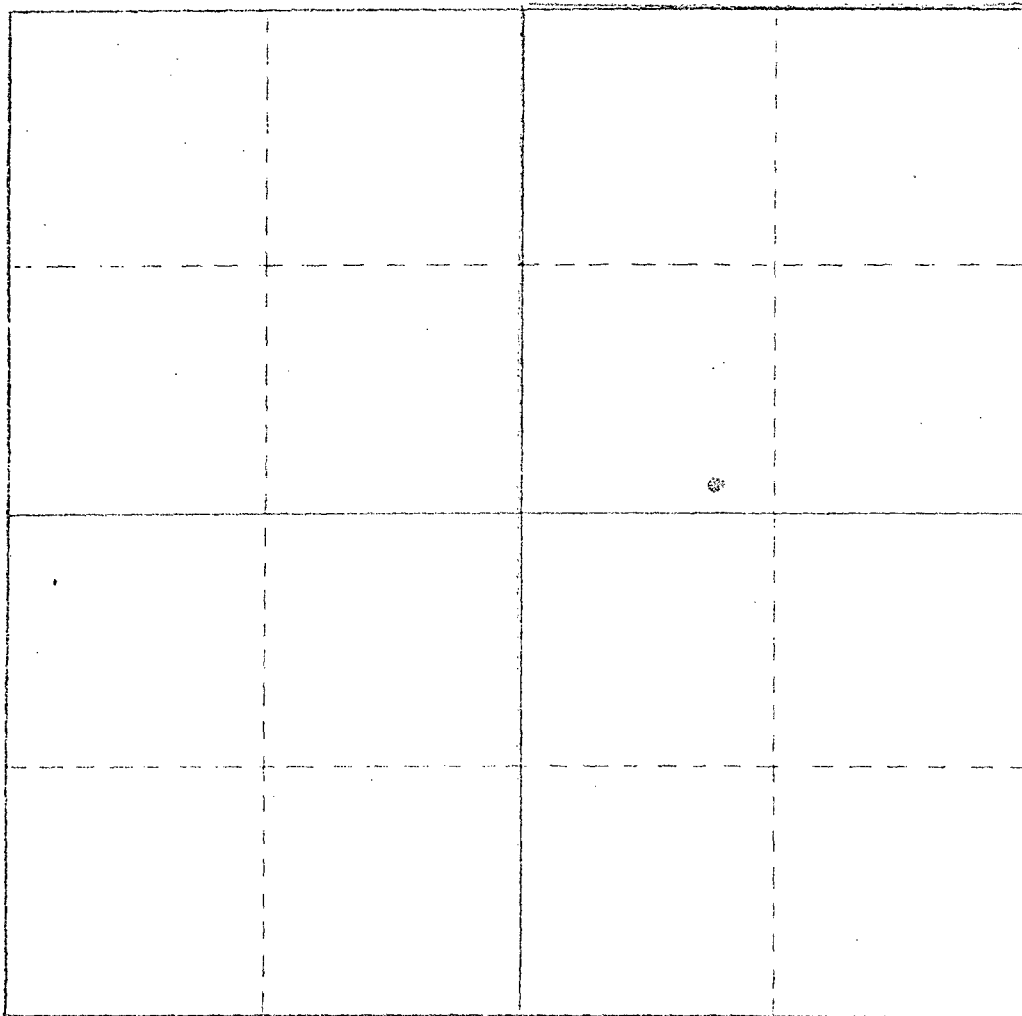
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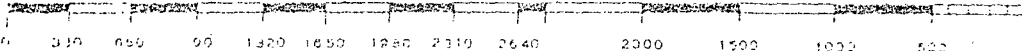
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GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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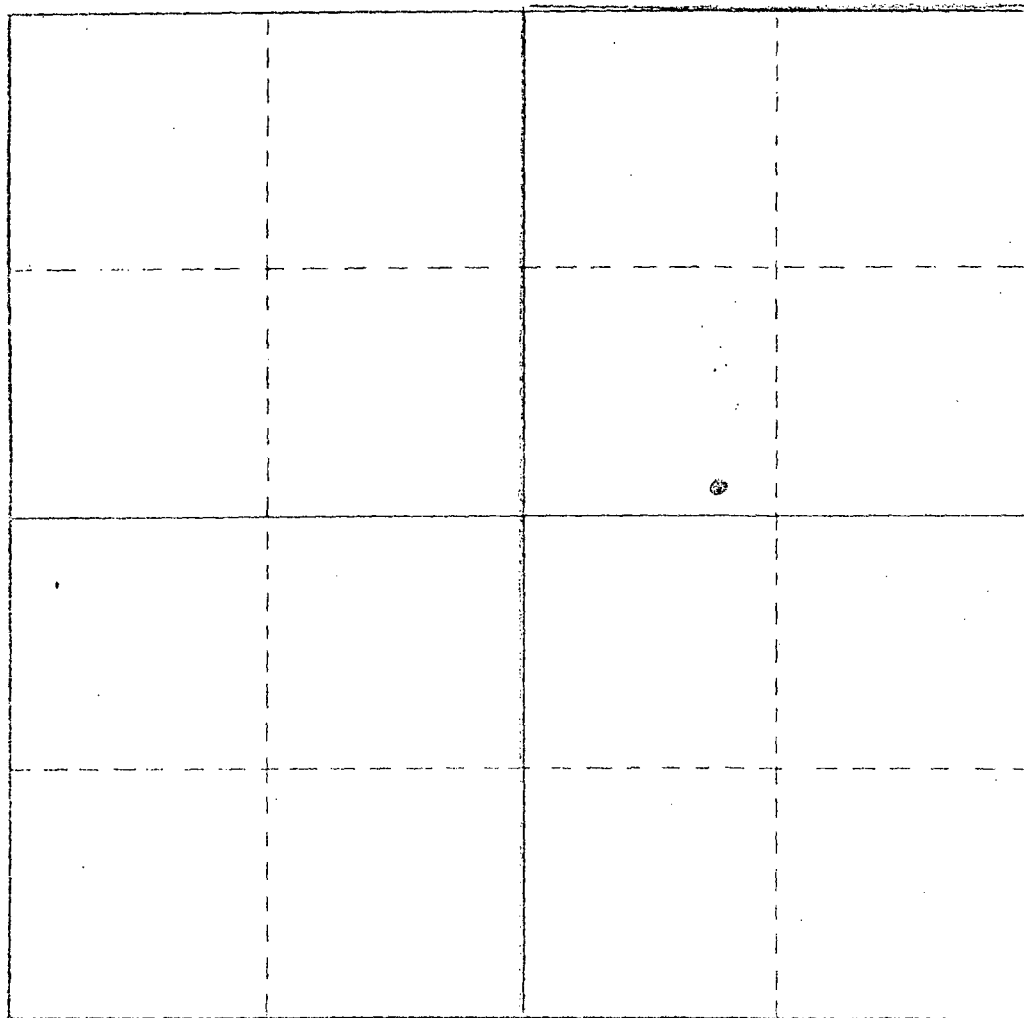
Operator Aminoil USA, Inc.		Lease GTR-97		Well No. N.M.A. 6	
Unit Letter G	Section 21	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 2500 feet from the North line and 1650 feet from the East line					
Ground Level Elev. 4333	Producing Formation --	Pool --	Dedicated Acreage: -- 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.) _____

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CERTIFICATION

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

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

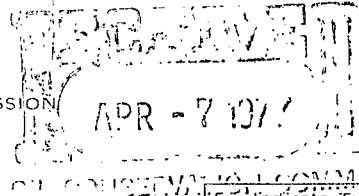
Certificate No. _____

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

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

5. Indicate Type of Lease

STATE ☒FEE ☐

5.a State Lease No.

GTR-102

1a. Type of Work	Drill <input checked="" type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>
b. Type of Well	Geothermal Producer <input type="checkbox"/>	Temp Observation <input checked="" type="checkbox"/>	Low-Temp Thermal <input type="checkbox"/>
	Low-Temp Thermal <input type="checkbox"/>	Injection/Disposal <input type="checkbox"/>	

7. Unit Agreement Name

--

8. Farm or Lease Name

--

2. Name of Operator

Aminoil USA, Inc.

9. Well No.

N.M.A. 8

3. Address of Operator

P.O. Box 11279, 1150 A Coddington Center
Santa Rosa, California 9540610. Field and Pool, or Wildcat
Wildcat

4. Location of Well

UNIT LETTER -- N LOCATED 800 FEET FROM THE South LINE

AND 2150 FEET FROM THE West LINE OF SEC. 27 TWP. 24 S RGE. 19 W NMPM

12. County

Hidalgo

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

4400 A.S.L. (GE)

21A. Kind & Status Plug. Bond

8073083-26

19. Proposed Depth

500'

19A. Formation

Tertiary Volcanics

20. Rotary or C.T.

Rotary

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. Watt

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

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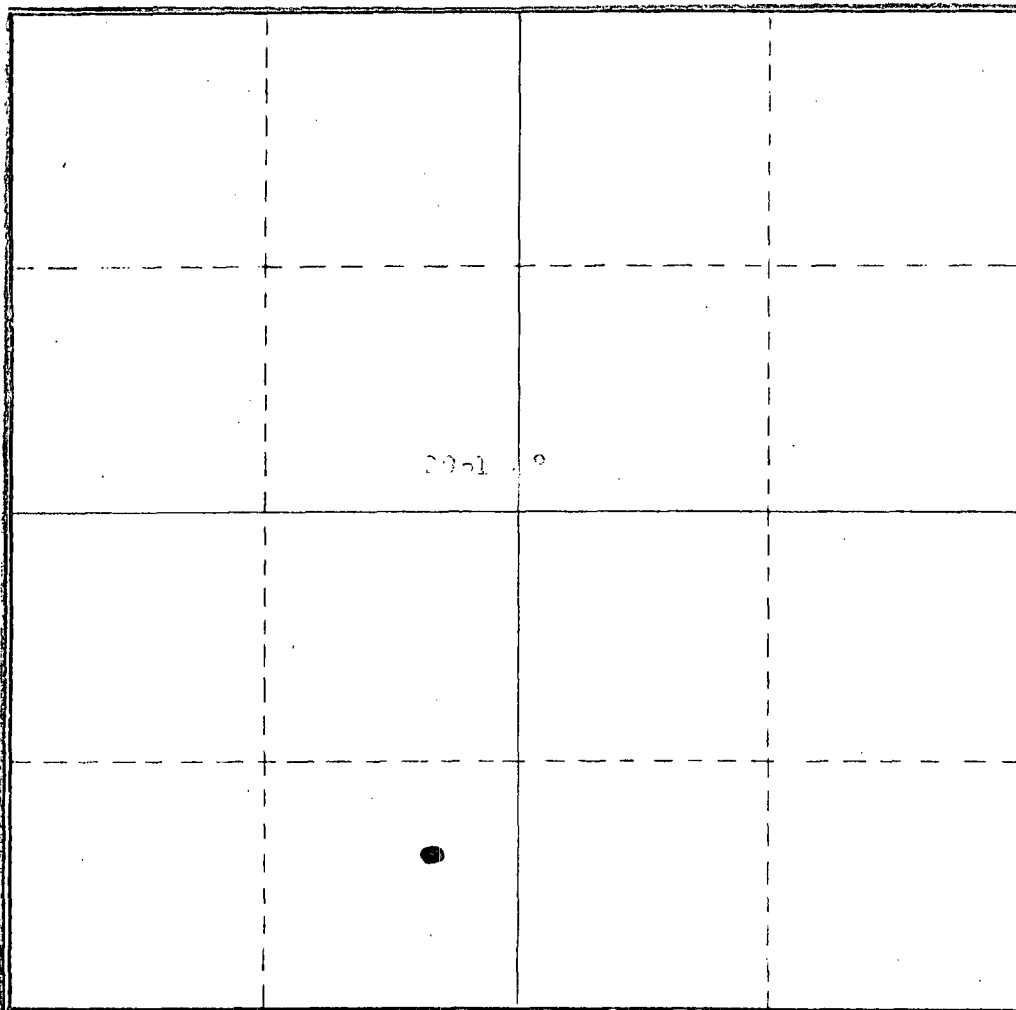
Operator Aminoil USA, Inc.		Lease 51028		Well No. N.M.A. 8	
Unit Letter N--	Section 27	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 800 feet from the South line and 2150 feet from the West line					
Ground Level Elev. 4400	Producing Formation --	Pool --	Dedicated Acreage: -- Acres		

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

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Date Surveyed _____
Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

0 300 600 900 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 Aminoil USA, Inc.		Lease GTR-102		Well No. N.M.A.8	
Unit Letter N	Section 27	Township 24 S	Range 19 W	County Hidalgo	
Actual Footage Location of Well: 800 feet from the South line and 2150 feet from the West line					
Ground Level Elev. 4400	Producing Formation --	Pool --	Dedicated Acreage: -- Acres		

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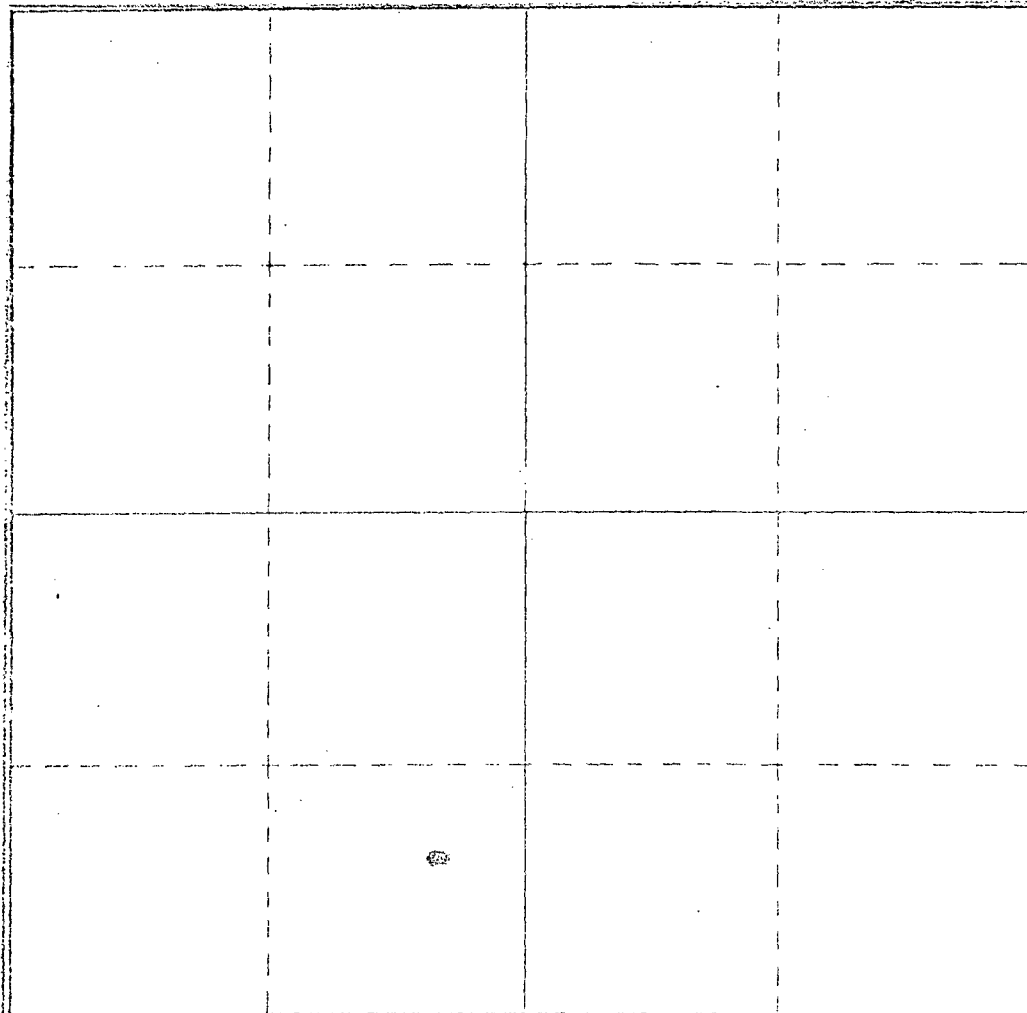
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Unit Letter N	Section 27	Township 24 S	Range 19 W	County Hidalgo	
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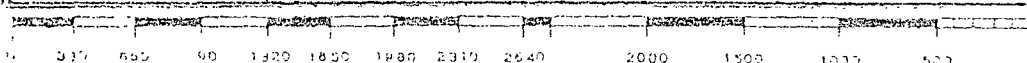
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