

GTLT - _____8_____

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

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

APR - 7 1977

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

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U.S.G.S.	1
Operator	1
Land Office	

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

5. Indicate Type of Lease
STATE FEE
5.a State Lease No.
2951 52

BLM 1

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

7. Unit Agreement Name
--
8. Farm or Lease Name
W. Kerr

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

9. Well No.
N.M.A. -13
10. Field and Pool, or Wildcat
Wildcat

4. Location of Well UNIT LETTER --C LOCATED 400 FEET FROM THE North LINE
AND 2450 FEET FROM THE West LINE OF SEC. 1 TWP. 24 S RGE. 20 W NMPM

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 & 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:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

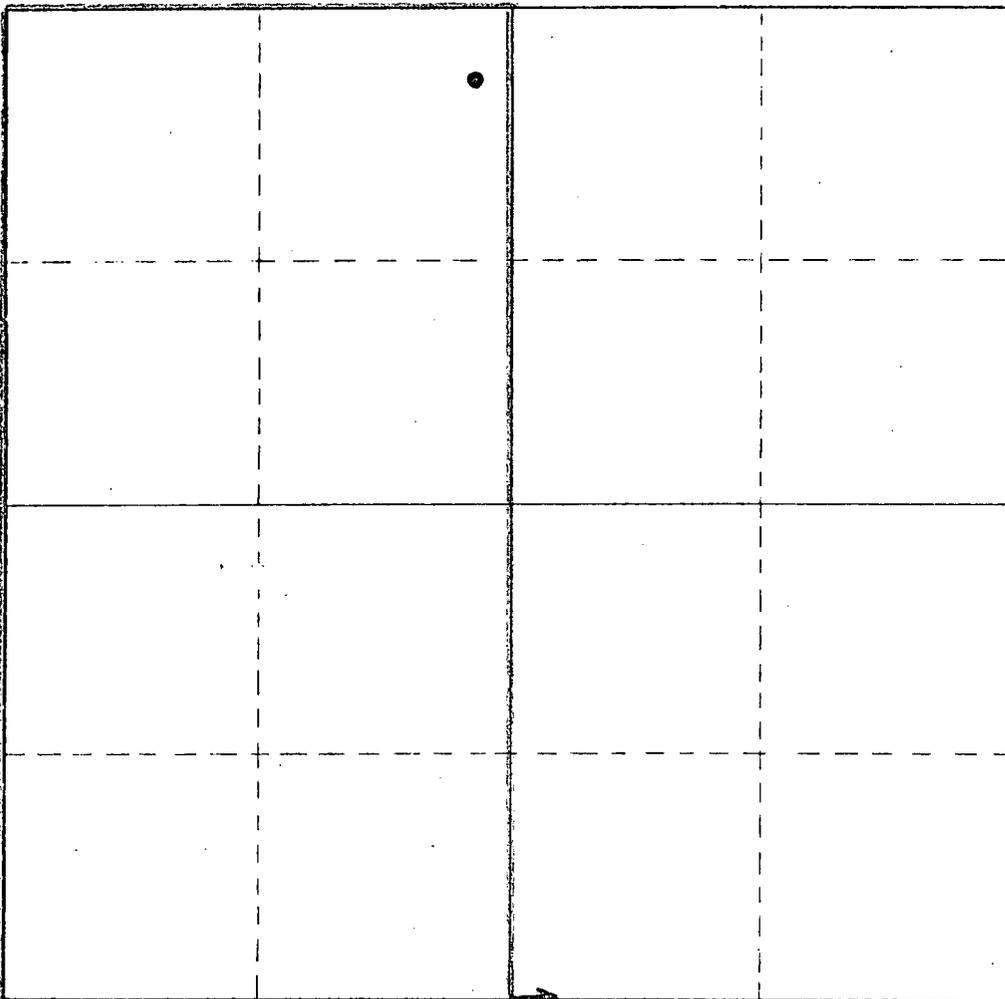
Operator Aminoil USA, Inc.			Lease Fee W. Kerr 2751-2752		Well No. N.M.A. -13
Unit Letter -- C	Section 1	Township 24 S	Range 20 W	County Hidalgo	
Actual Footage Location of Well: 400 feet from the North line and 2450 feet from the West line					
Ground Level Elev. 4150	Producing Formation --	Pool --	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.) _____

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. _____

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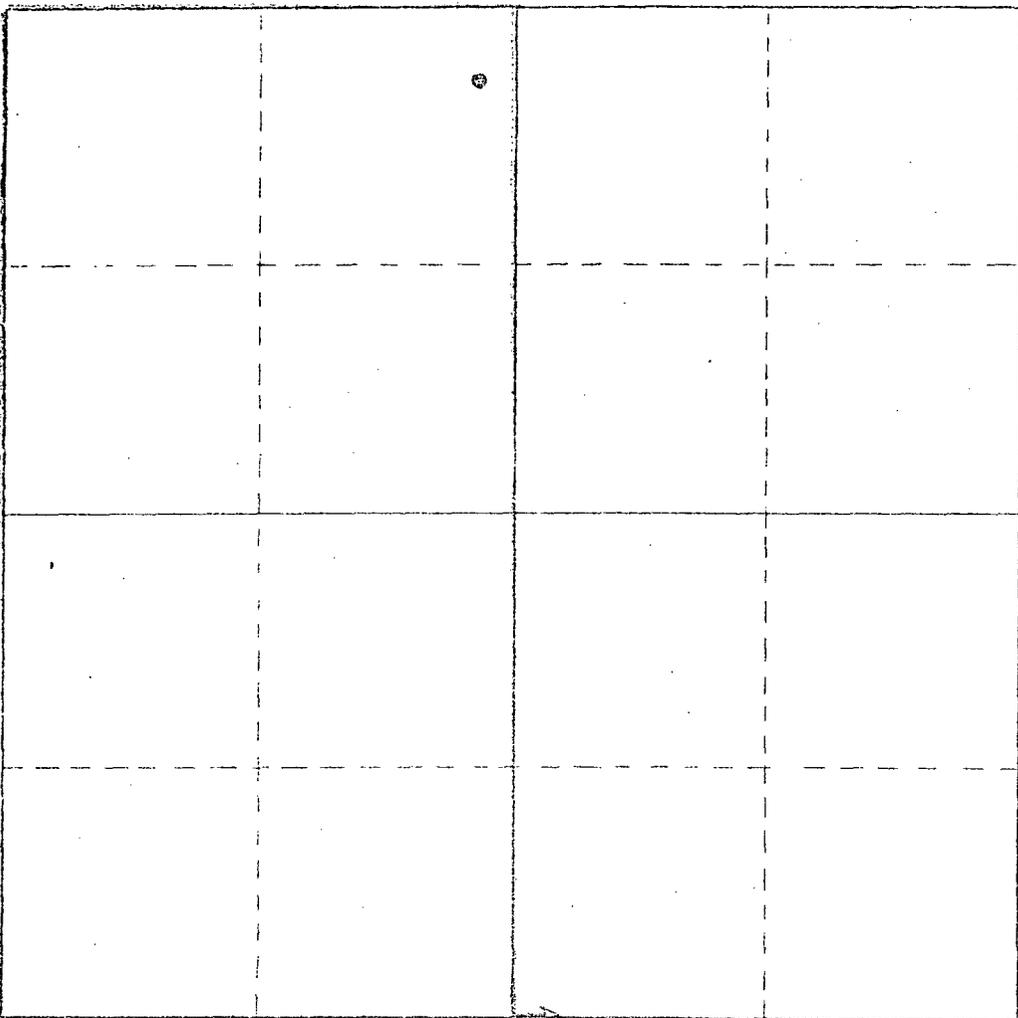
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Name **A. R. Wall**
 Position **District Geologist**
 Company **Aminoil USA, Inc.**
 Date **3/9/77**

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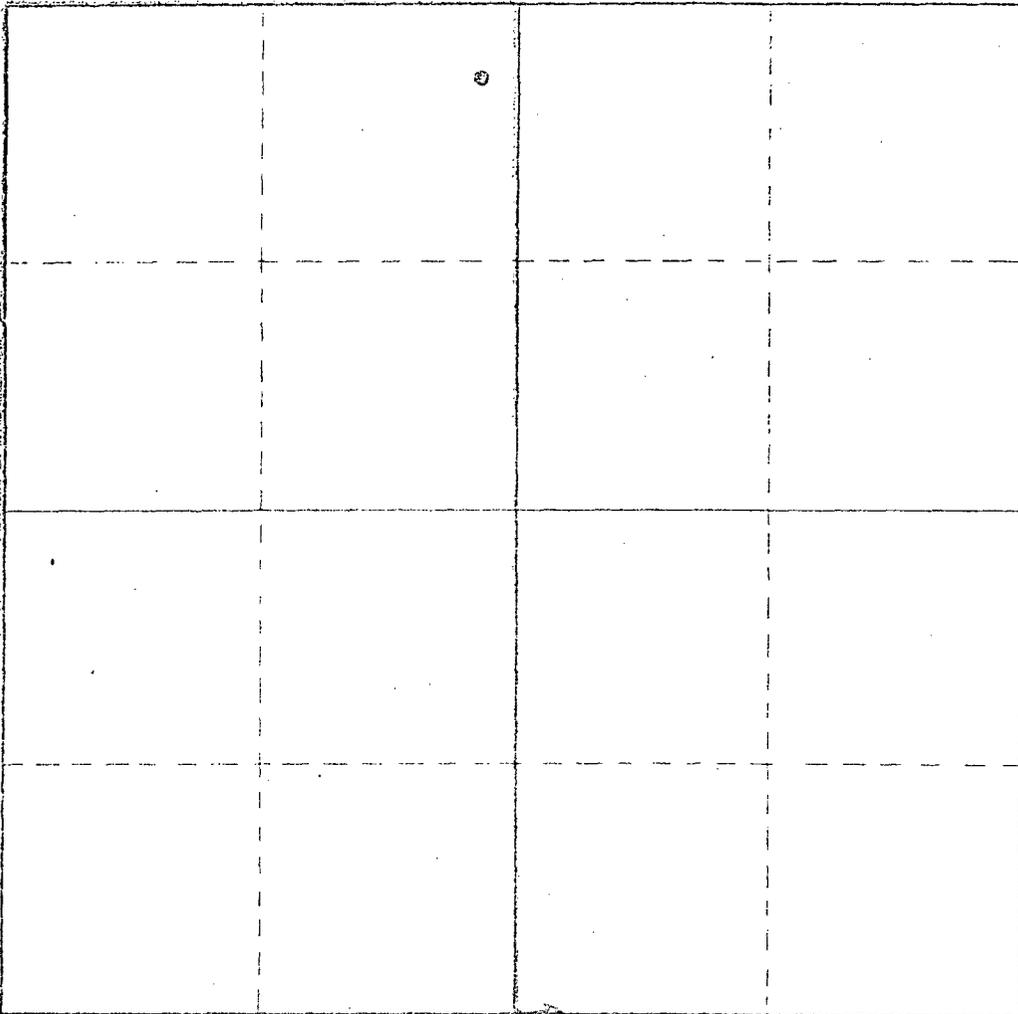
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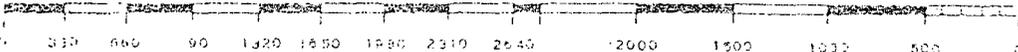
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Company Aminoil USA, Inc.
Date 3/9/77

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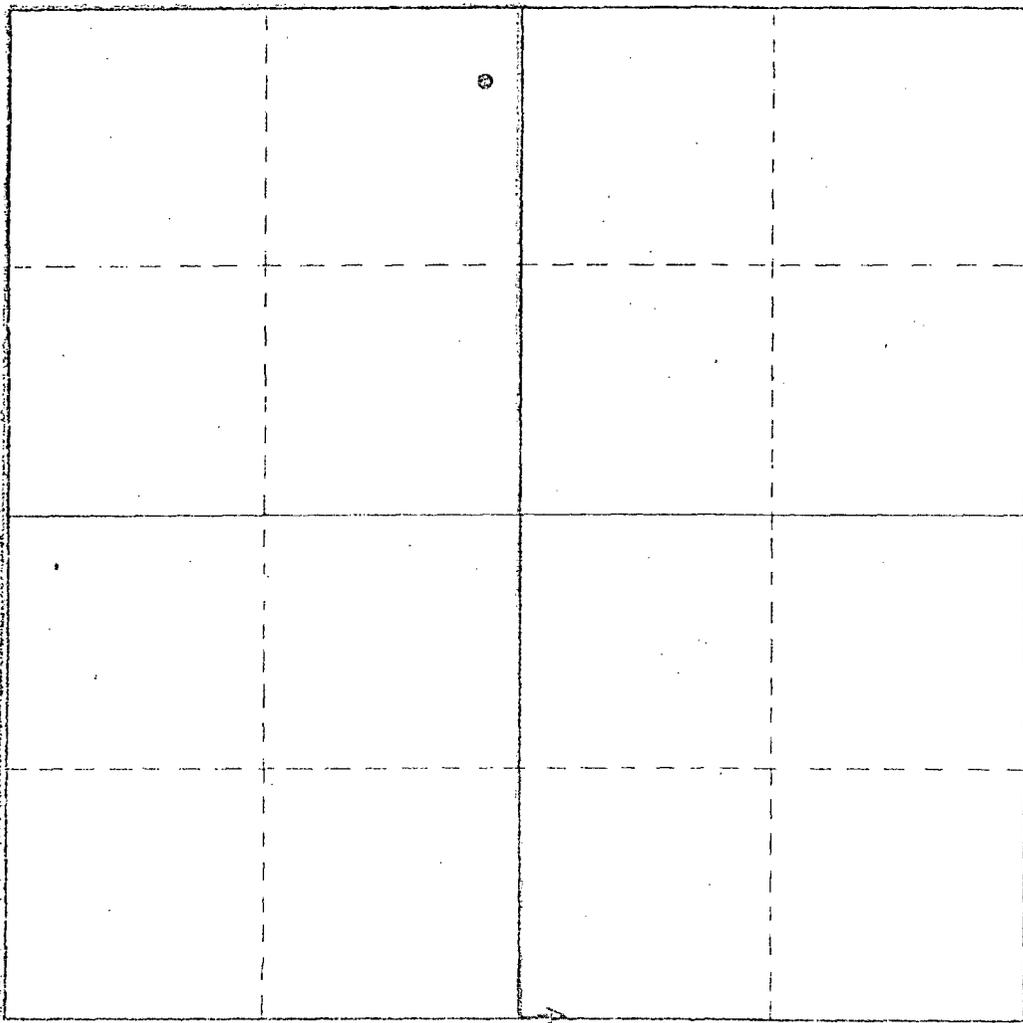
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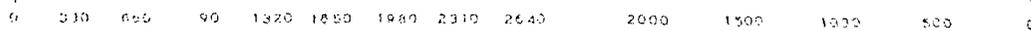
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 Company **Aminoil USA, Inc.**
 Date **3/9/77**

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

OIL CONSERVATION COMMISSION
Indicate Type of Lease
STATE FEE

5.a State Lease No.
2731 - 2

BLM 1

1a. Type of Work Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> b. Type of Well Geothermal Producer <input type="checkbox"/> Temp Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	7. Unit Agreement Name -- 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
	19. Proposed Depth 500' 19A. Formation Tertiary Volcanic 20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 4154 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.
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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

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

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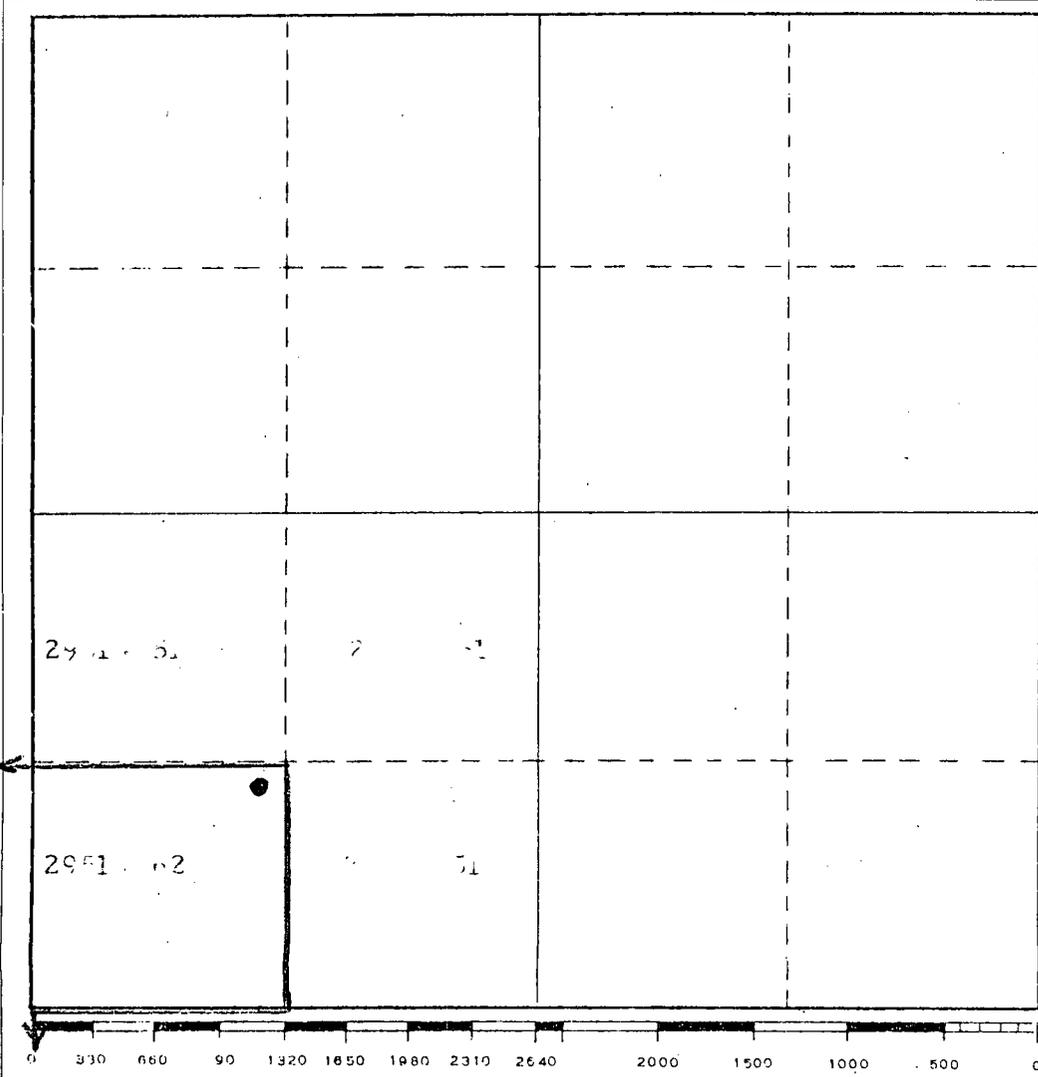
Operator Aminoil USA, Inc.		Lease Fee Mr. A. Smith		Well No. N.M.A. 2	
Unit Letter -- M	Section 4	Township 24 S	Range 20 W	County Hidalgo	
Actual Footage Location of Well: 1150 feet from the South line and 1150 feet from the West line					
Ground Level Elev. 4154	Producing Formation --		Pool Wildcat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

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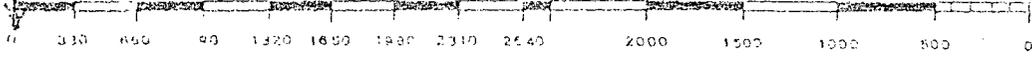
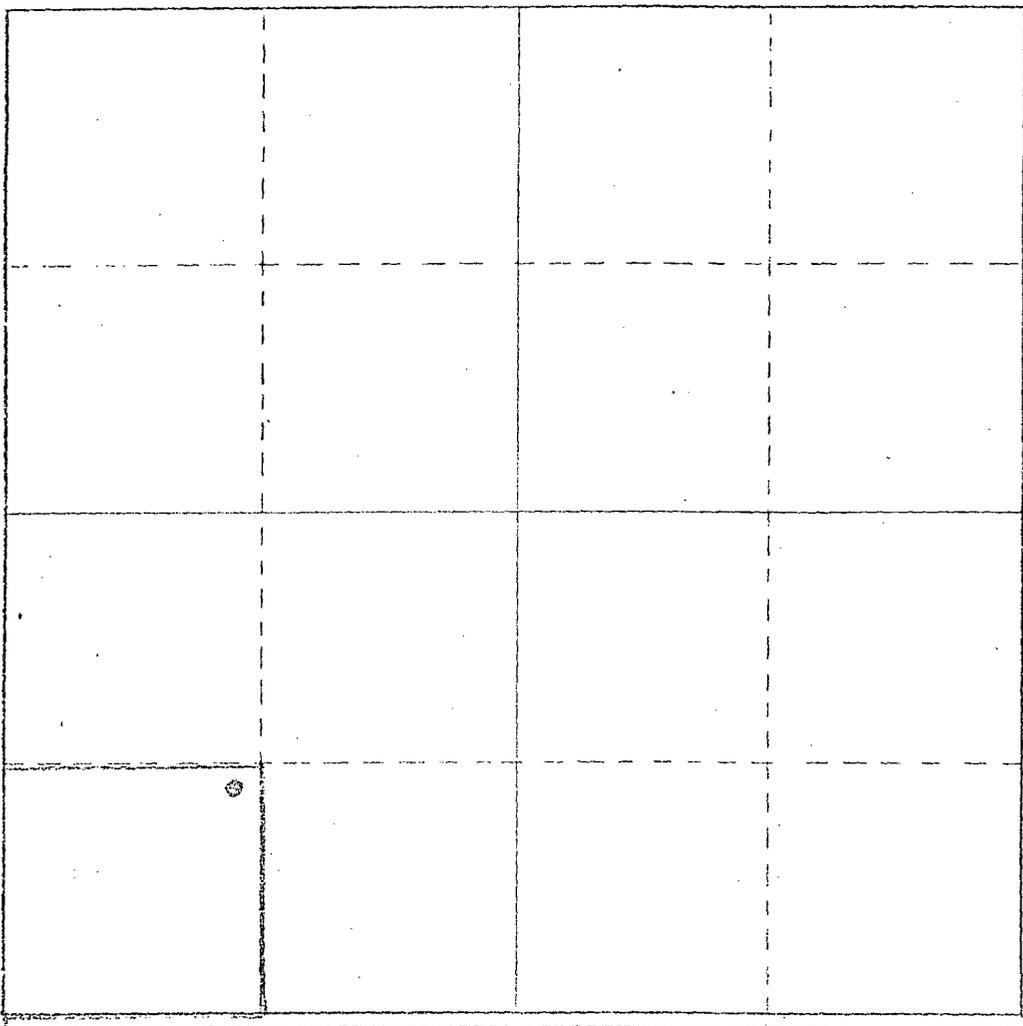
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Name **A. R. Wall**

Position **District Geologist**

Company **Aminoil USA, Inc.**

Date **3/9/77**

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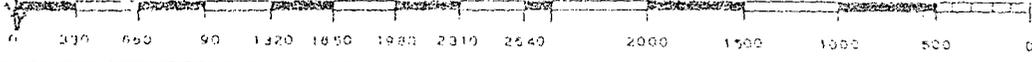
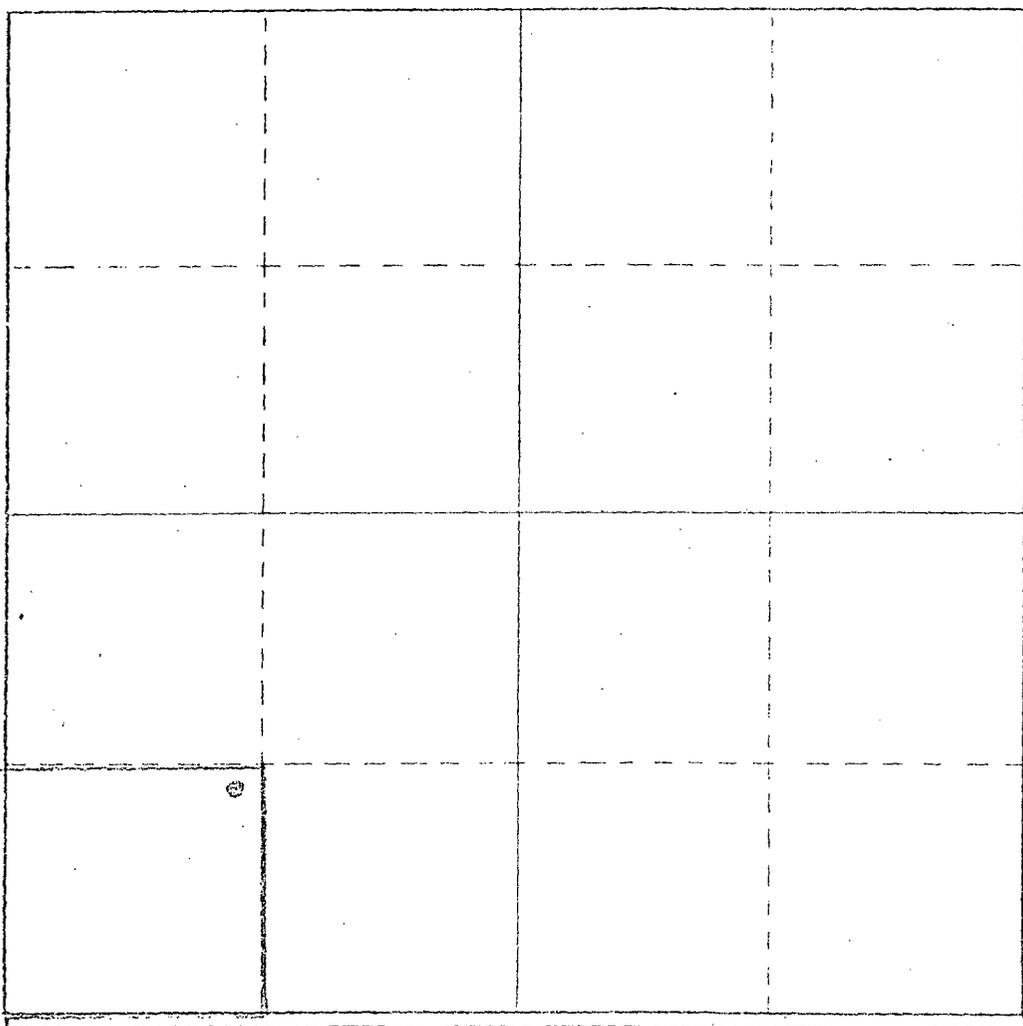
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Name: **A. R. Wall**

Position: **District Geologist**

Company: **Aminoil USA, Inc.**

Date: **3/9/77**

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Registered Professional Engineer and/or Land Surveyor: _____

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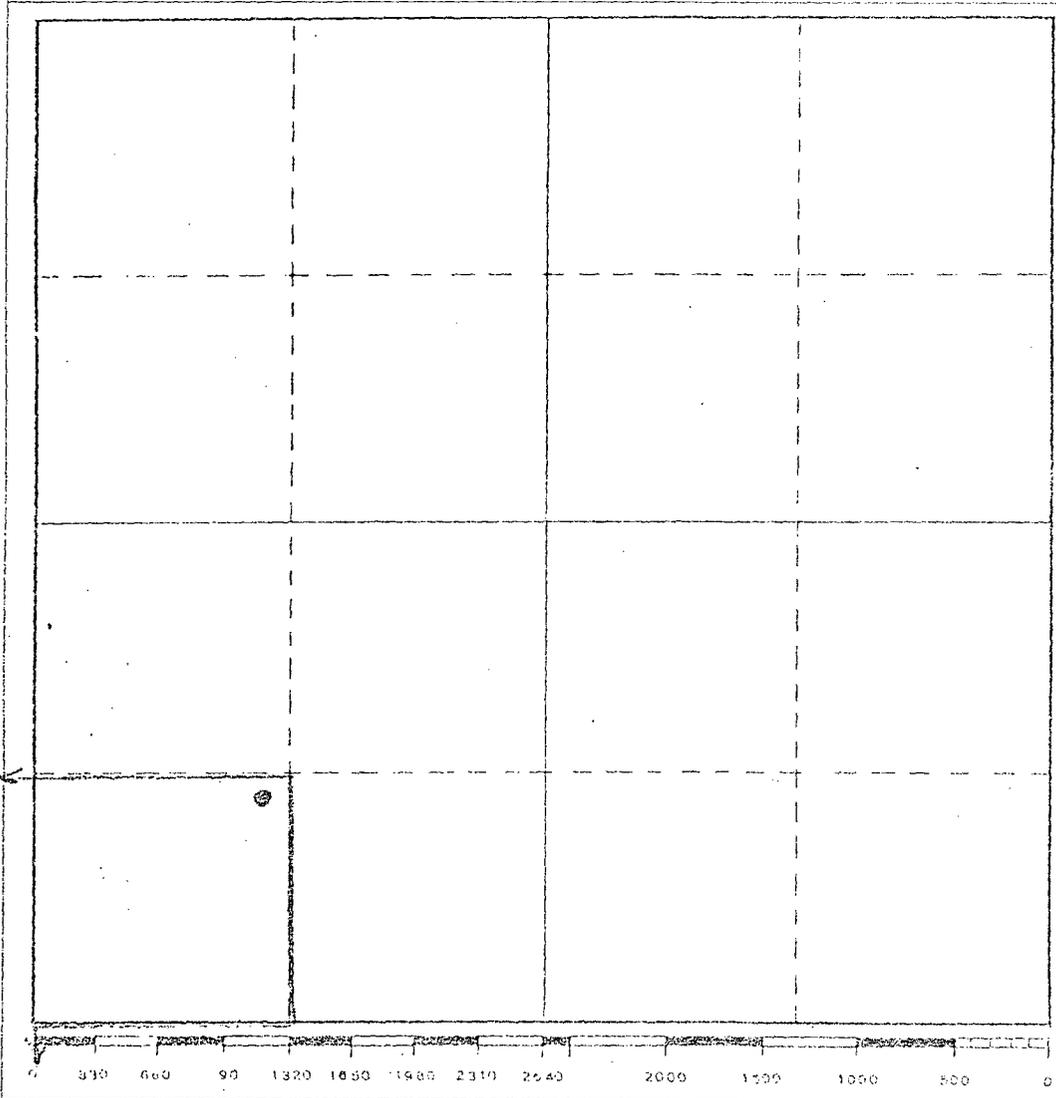
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Position: **District Geologist**

Company: **Aminoil USA, Inc.**

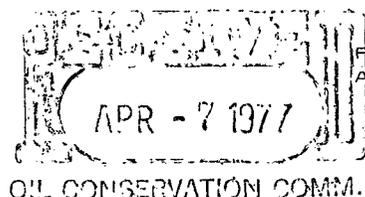
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BLM 1

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
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3. Address of Operator P. O. Box 11279, 1150 A Coddington Center
Santa Rosa, California 95406
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AND 350 FEET FROM THE East LINE OF SEC. 21 TWP. 24 S RGE. 20 W NMPM
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21B. Drilling Contractor Cason Drilling Co.
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APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4/4/77

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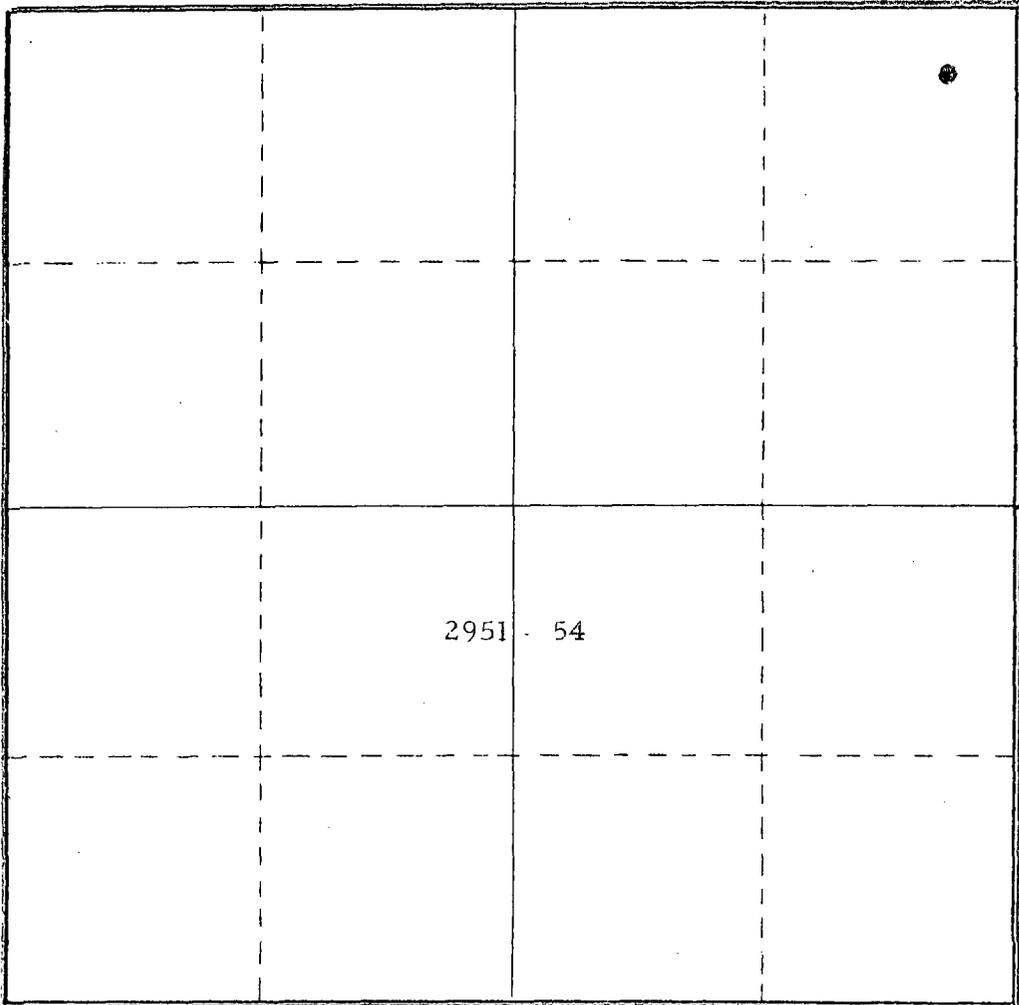
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Unit Letter A --	Section 21	Township 24 S	Range 20 W	County Hidalgo
Actual Footage Location of Well: 350 feet from the North line and 350 feet from the East line				
Ground Level Elev. 4164	Producing Formation --	Pool --	Dedicated Acreage: -- Acres	

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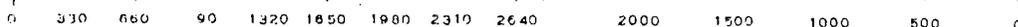
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Name **D. R. Wall**
Position **District Geologist**
Company **Aminoil USA, Inc.**
Date **3/9/77**

I 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.

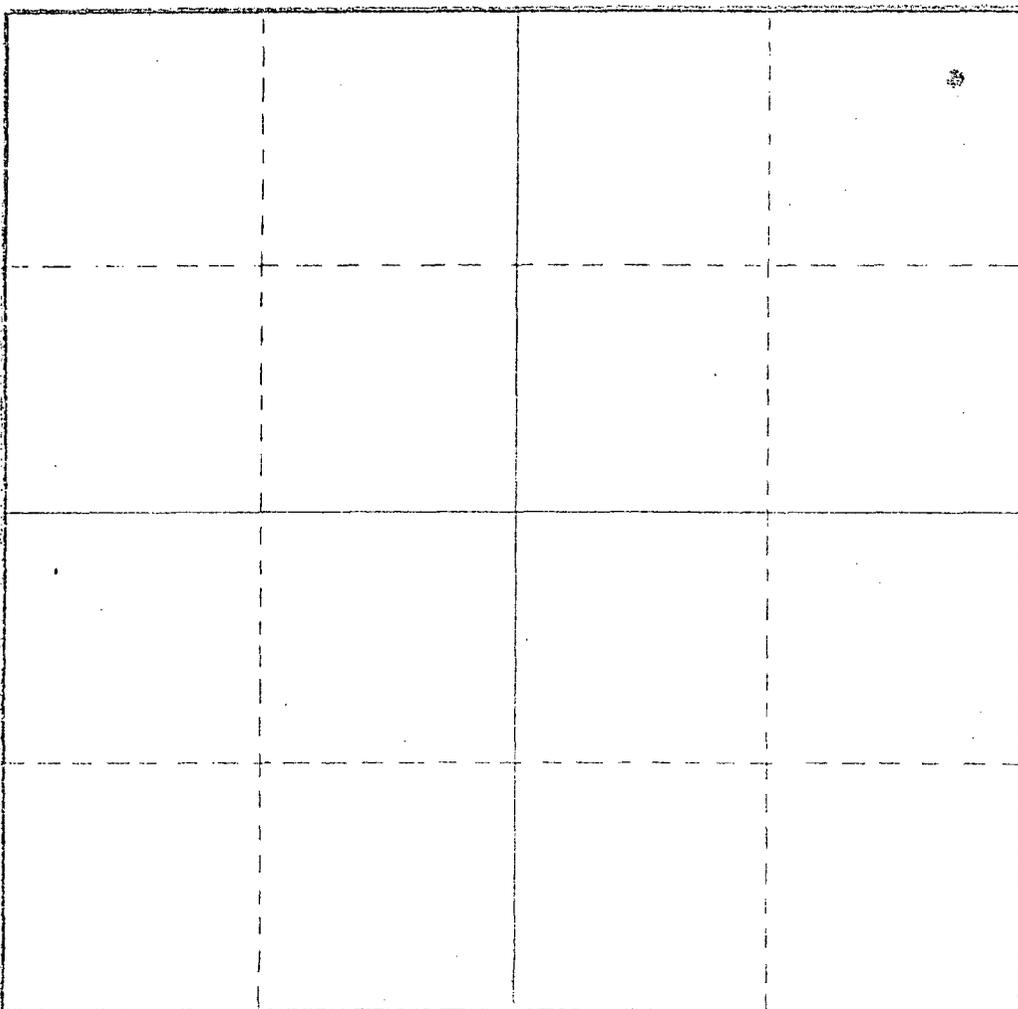
Operator Aminoil USA, Inc.		Lease Fee C. E. Roark		Well No. N.M.A. 3	
Unit Letter A	Section 21	Township 24 S	Range 20 W	County Hidalgo	
Actual Footage Location of Well: 350 feet from the North line and 350 feet from the East line					
Ground Level Elev. 4164	Producing Formation --	Pool --	Dedicated Acreage: -- 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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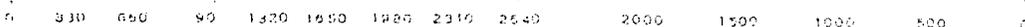
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 Company **Aminoil USA, Inc.**
 Date **3/9/77**

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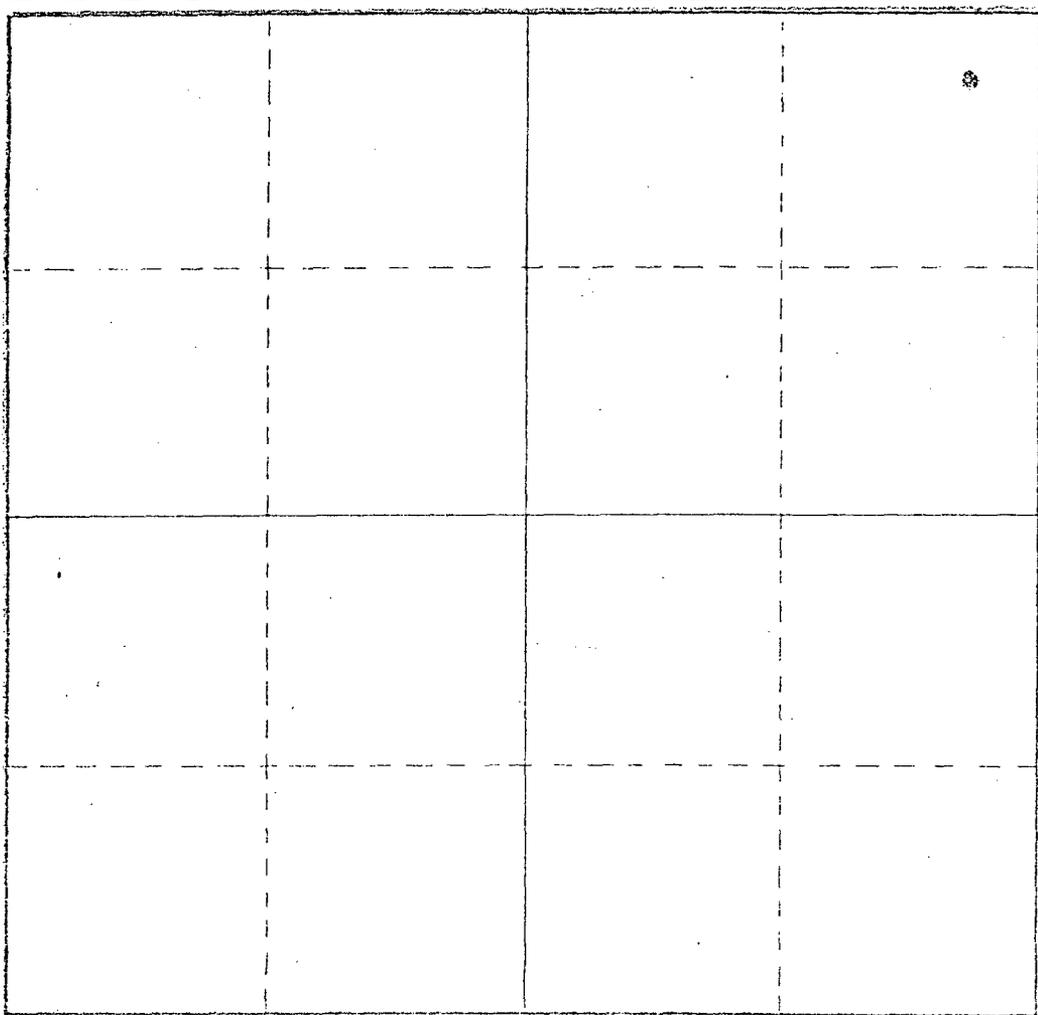
Operator Aminoil USA, Inc.		Lease Fee C. E. Roark		Well No. N.M.A. 3
Unit Letter A	Section 21	Township 24 S	Range 20 W	County Hidalgo
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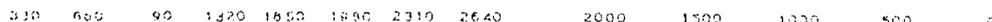
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 Company **Aminoil USA, Inc.**
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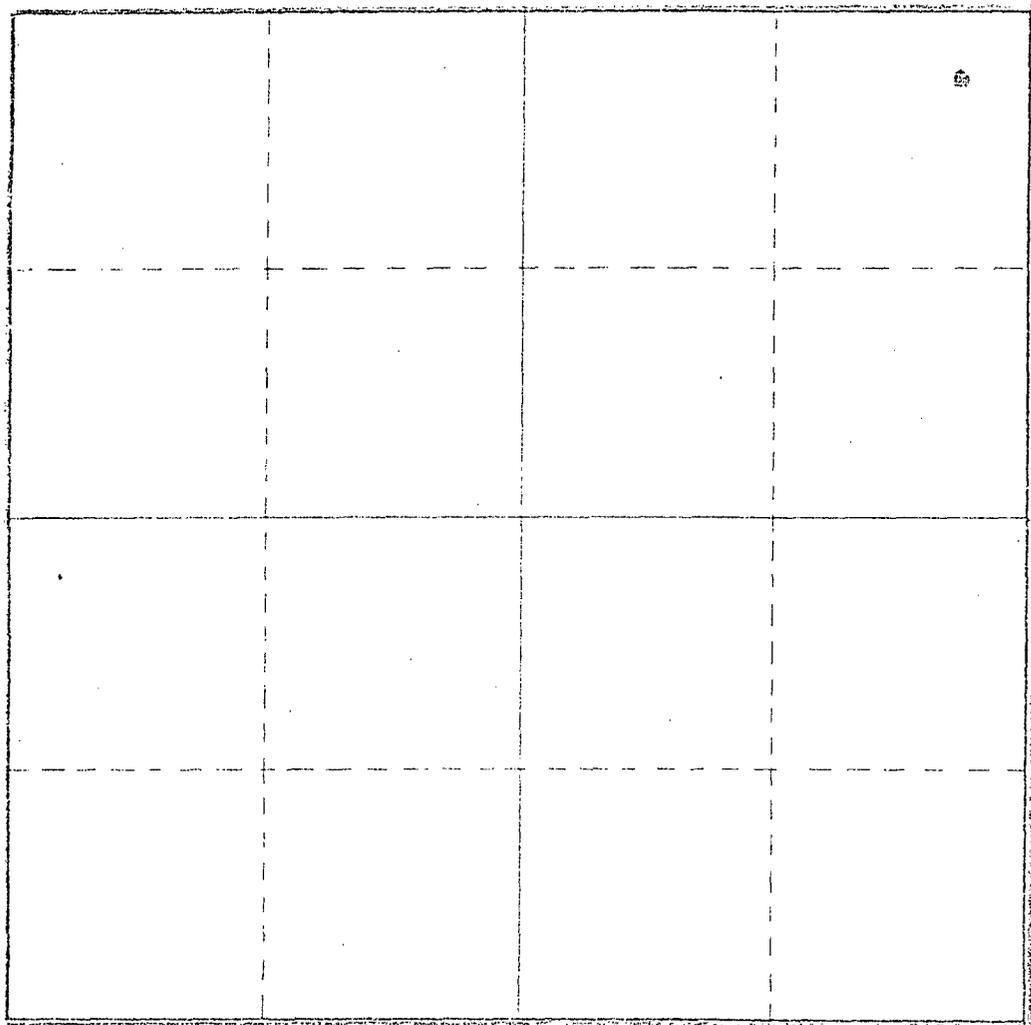
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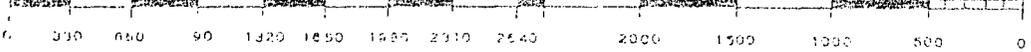
CERTIFICATION

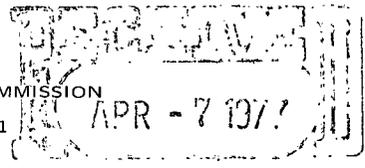
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NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2088, Santa Fe 87501

NO. OF COPIES RECEIVED	6
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Operator	/
Land Office	/

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

Indicate Type of Lease
STATE 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"/> 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. 7
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 550 FEET FROM THE South LINE AND 400 FEET FROM THE West LINE OF SEC. 33 TWP. 24 S RGE. 20 W NMPM	12. County Hildago
19. Proposed Depth 500 feet	19A. Formation Tertiary Volcanic
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4185 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 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

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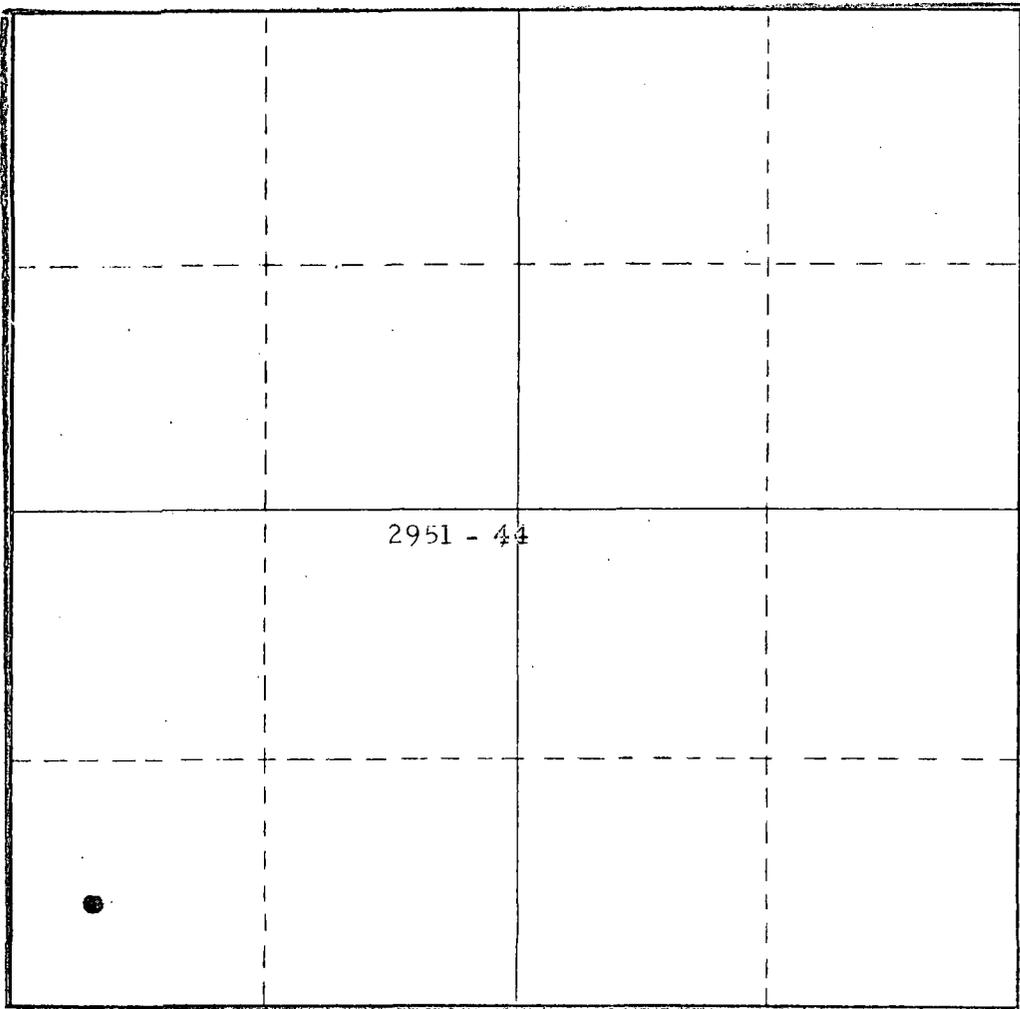
Operator Aminoil USA, Inc.		Lease CGTR-227 44 APR - 7 3/77		Well No. N.M.A. 7
Unit Letter -- M	Section 33	Township 24 S	Range 20 W	County Hildago
Actual Footage Location of Well: 550 feet from the South line and 400 feet from the West line				
Ground Level Elev. 4185	Producing Formation --	Pool --	Dedicated Acreage: -- Acres	

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CERTIFICATION

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

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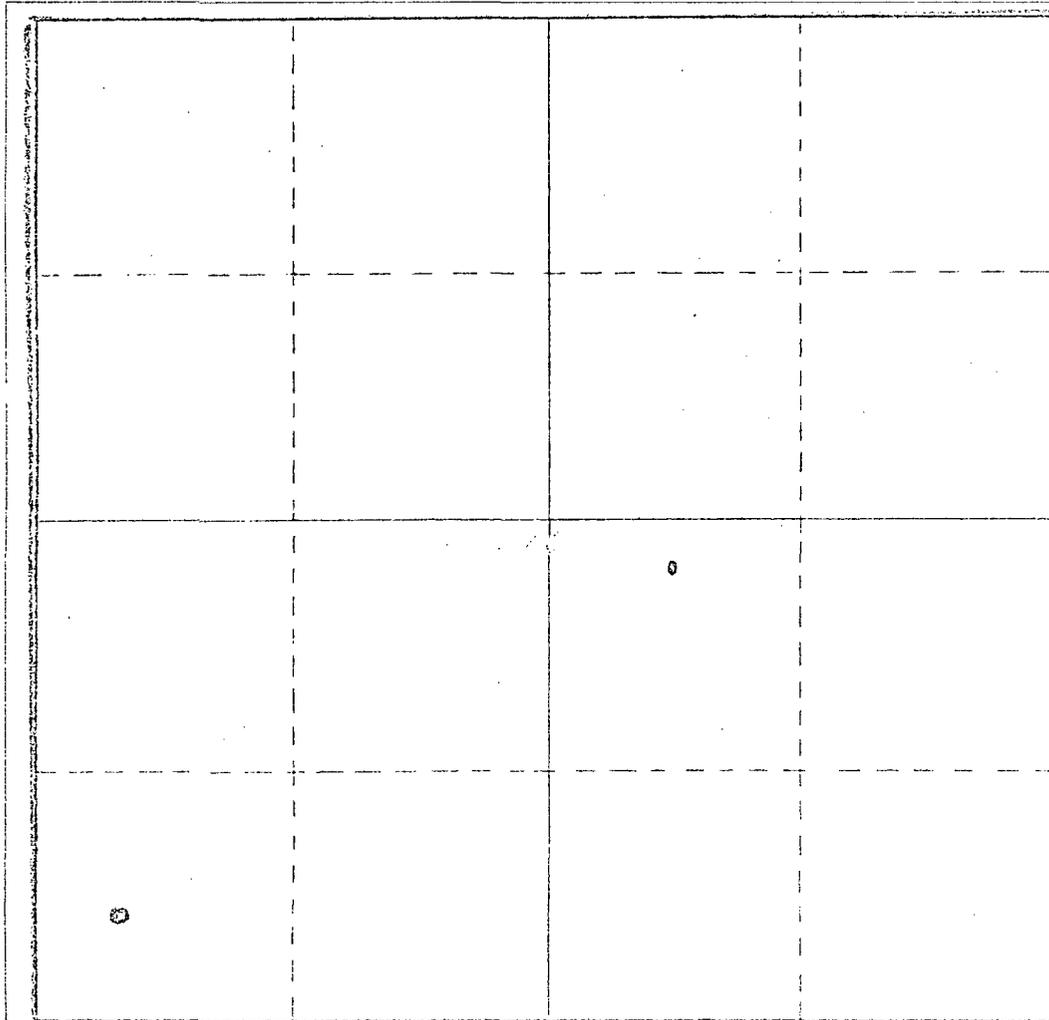
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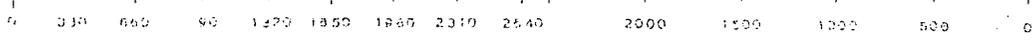
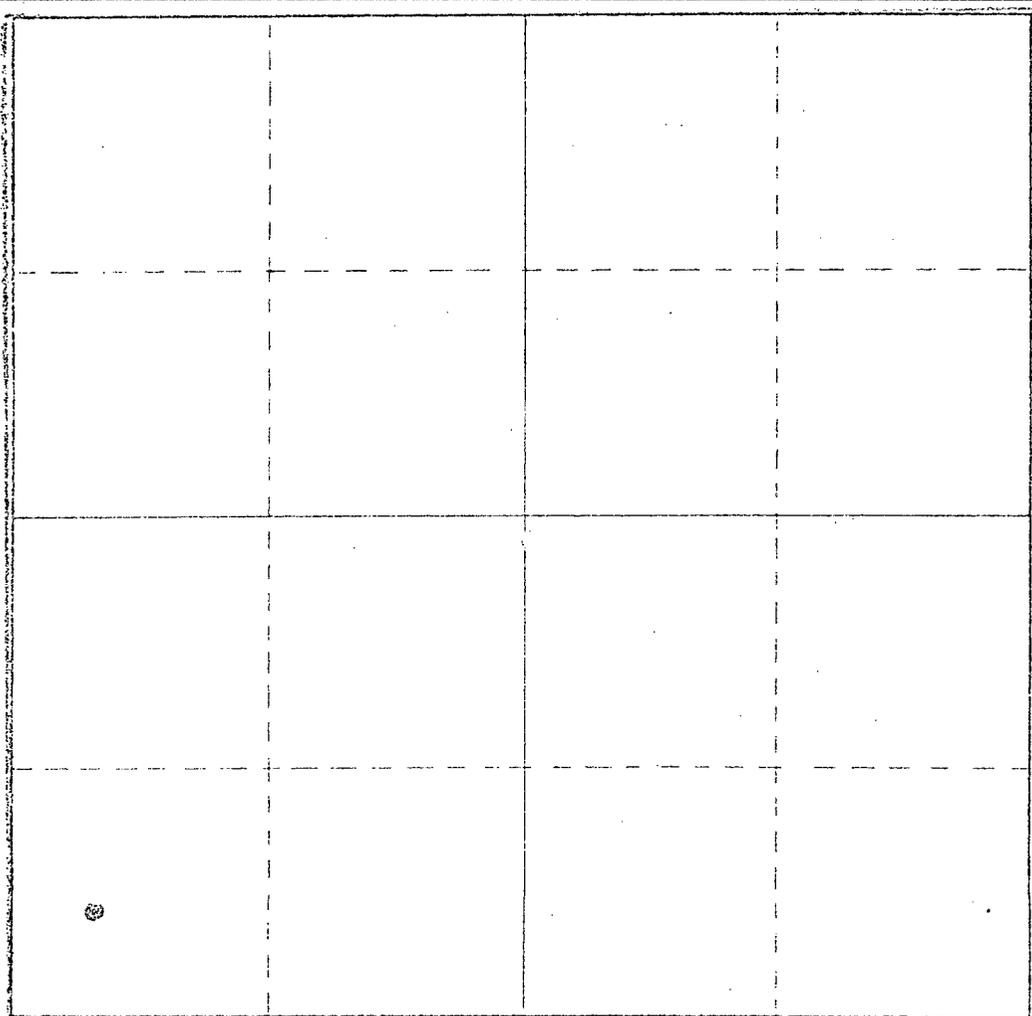
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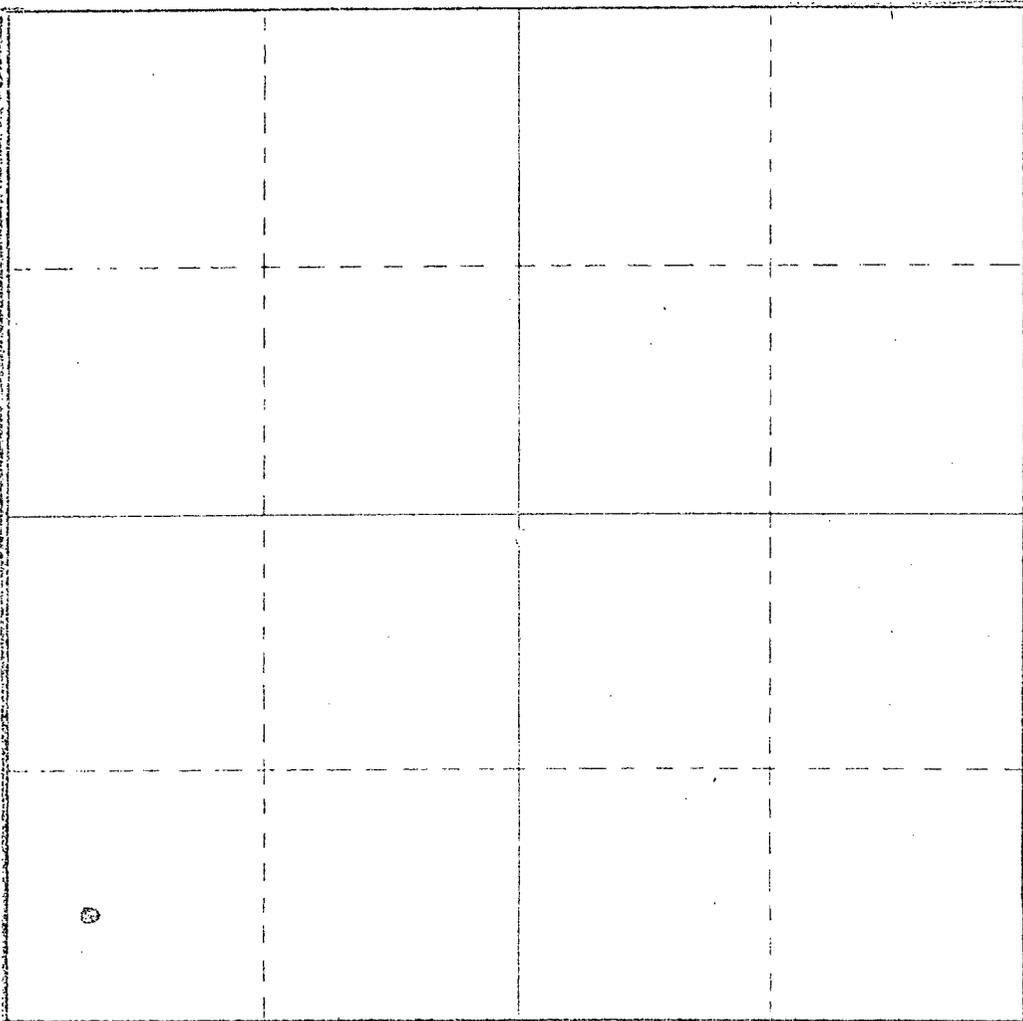
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