

GTLT - _____ 10 _____

**Hunt Energy Corporation
(7&27)-20S-1W
Dona Ana County**

1114; 1172; 1173; 22 & 22-27

NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	1	✓
N.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 <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5.a State Lease No. N.A.	
7. Unit Agreement Name N.A.	
8. Farm or Lease Name R. S. Hayner	
9. Well No. 1114	
10. Field and Pool, or Wildcat Wildcat	
12. County Dona Ana	
19. Proposed Depth 2000 feet	19A. Formation --
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4050 feet	21A. Kind & Status Plug. Bond
21B. Drilling Contractor Geothermal Services, Inc.	22. Approx. Date Work will start January 1980

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"/>
2. Name of Operator HUNT ENERGY CORPORATION
3. Address of Operator 2500 First National Bank Bldg., Dallas, Texas 75202
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>2500</u> FEET FROM THE <u>West</u> LINE AND <u>1600</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>7</u> TWP. <u>20 S.</u> RGE. <u>1 W.</u> NMPM
21. Kind & Status Plug. Bond

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
10"	7" O.D.	20#	200'	100	
6"	2" I.D.	4#	2000'	-	

(See Enclosed Plan of Operation #1-80-2000)

RECEIVED
FEB - 8 1980
OIL CONSERVATION COMMISSION
SANTA FE

COLLECT AND SACK SAMPLES FOR
NEW MEXICO BUREAU OF MINES, SOCORRO
AT AT LEAST TEN FOOT INTERVALS

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 6-5-80
UNLESS DRILLING UNDERWAY

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 Barry Williams Title Project Supervisor Date 2/1/80

(This space for State Use)

APPROVED BY Carl Uelogy TITLE SENIOR PETROLEUM GEOLOGIST DATE 3/7/80

CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

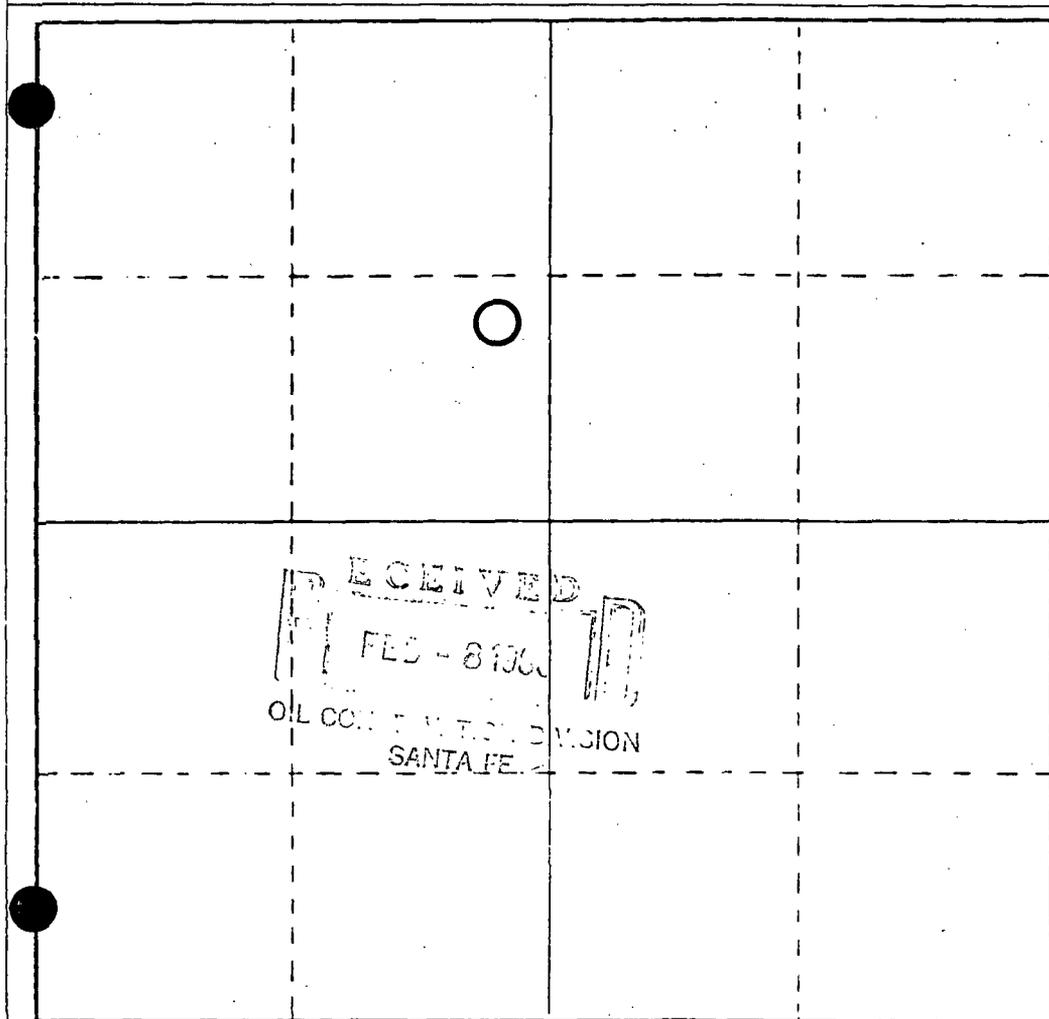
Operator HUNT ENERGY CORPORATION		Lease R. S. Hayner			Well No. 1114
Unit Letter F	Section 7	Township 20 S.	Range 1 W.	County DONA ANA	
Actual Footage Location of Well: 2500 feet from the West line and 1600 feet from the North line					
Ground Level Elev. 4050'	Producing Formation --	Pool Wildcat		Dedicated Acreage: Acres	

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



RECEIVED
FEB - 8 1980
OIL CONSERVATION COMMISSION
SANTA FE, N.M.

CERTIFICATION

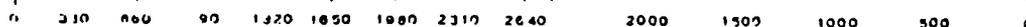
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

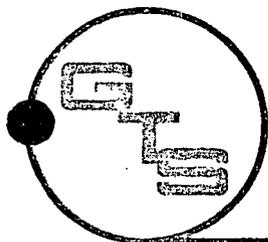
Name *Barry Williams*
Position **Project Supervisor**
Company **GeoThermal Services, Inc.**
Date **January 1980**

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

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

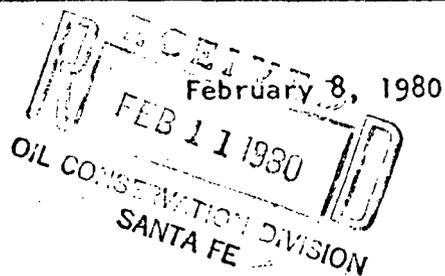
Certificate No. _____





GEO THERMAL SERVICES, INC.

10072 WILLOW CREEK ROAD, SAN DIEGO, CALIFORNIA 92131 • (714) 566-4520



State of New Mexico Oil
Conservation Commission
Geothermal Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Carl Ulvog

Dear Mr. Ulvog;

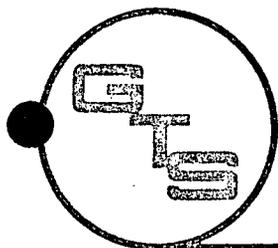
Per our telephone conversation of February 8, 1980, please make the following additions to the G-101 forms submitted February 5, 1980:

- 1). Holes 1114, 1172 and 1173 are on fee land owned by Mr. R.S. Hayner of Radium Springs, New Mexico.
- 2). Holes 1412, 1455, 1461, 1463, 1468 and 1489 are all on state land.

If you have any other questions or need further information, please give me a call.

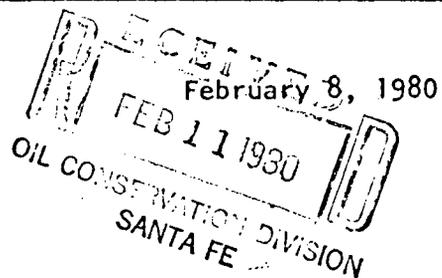
Sincerely,

Barry V. Williams
Project Supervisor



GEO THERMAL SERVICES, INC.

10072 WILLOW CREEK ROAD, SAN DIEGO, CALIFORNIA 92131 • (714) 566-4520



State of New Mexico Oil
Conservation Commission
Geothermal Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Carl Ulvog

Dear Mr. Ulvog;

Per our telephone conversation of February 8, 1980, please make the following additions to the G-101 forms submitted February 5, 1980:

- 1). Holes 1114, 1172 and 1173 are on fee land owned by Mr. R.S. Hayner of Radium Springs, New Mexico.
- 2). Holes 1412, 1455, 1461, 1463, 1468 and 1489 are all on state land.

If you have any other questions or need further information, please give me a call.

Sincerely,

Barry V. Williams
Project Supervisor

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

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

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

5. Indicate Type of Lease
STATE FEE
5.a State Lease No.
N.A.

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
HUNT ENERGY CORPORATION

3. Address of Operator
2500 First National Bank Bldg., Dallas, Texas 75202

4. Location of Well UNIT LETTER H LOCATED 200 FEET FROM THE East LINE
AND 2100 FEET FROM THE North LINE OF SEC. 7 TWP. 20 S. RGE. 1 W. NMPM

7. Unit Agreement Name
N.A.

8. Farm or Lease Name
R. S. Hayner

9. Well No.
1173

10. Field and Pool, or Wildcat
Wildcat

12. County
Dona Ana

19. Proposed Depth
2000 feet

19A. Formation
--

20. Rotary or C.T.
Rotary

21. Elevations (Show whether DF, RT, etc.)
4100 feet

21A. Kind & Status Plug. Bond

21B. Drilling Contractor
GeoThermal Services, Inc.

22. Approx. Date Work will start
January 1980

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
10"	7" O.D.	20#	200'	100	
6"	2" I.D.	4#	2000'	-	

(See Enclosed Plan of Operation #1-80-2000)

RECEIVED
FEB - 8 1980
OIL CONSERVATION DIVISION
SANTA FE

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 6-5-80
UNLESS DRILLING UNDERWAY

COLLECT AND PACK SAMPLES FOR
NEW MEXICO STATE DEPT. OF MINES, COCORRO
AT AT LEAST TEN FOOT INTERVALS

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 Boyd Williams Title Project Supervisor Date 2/1/80

(This space for State Use)

APPROVED BY Carl Wray TITLE SENIOR PETROLEUM GEOLOGIST DATE 3/7/80

CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

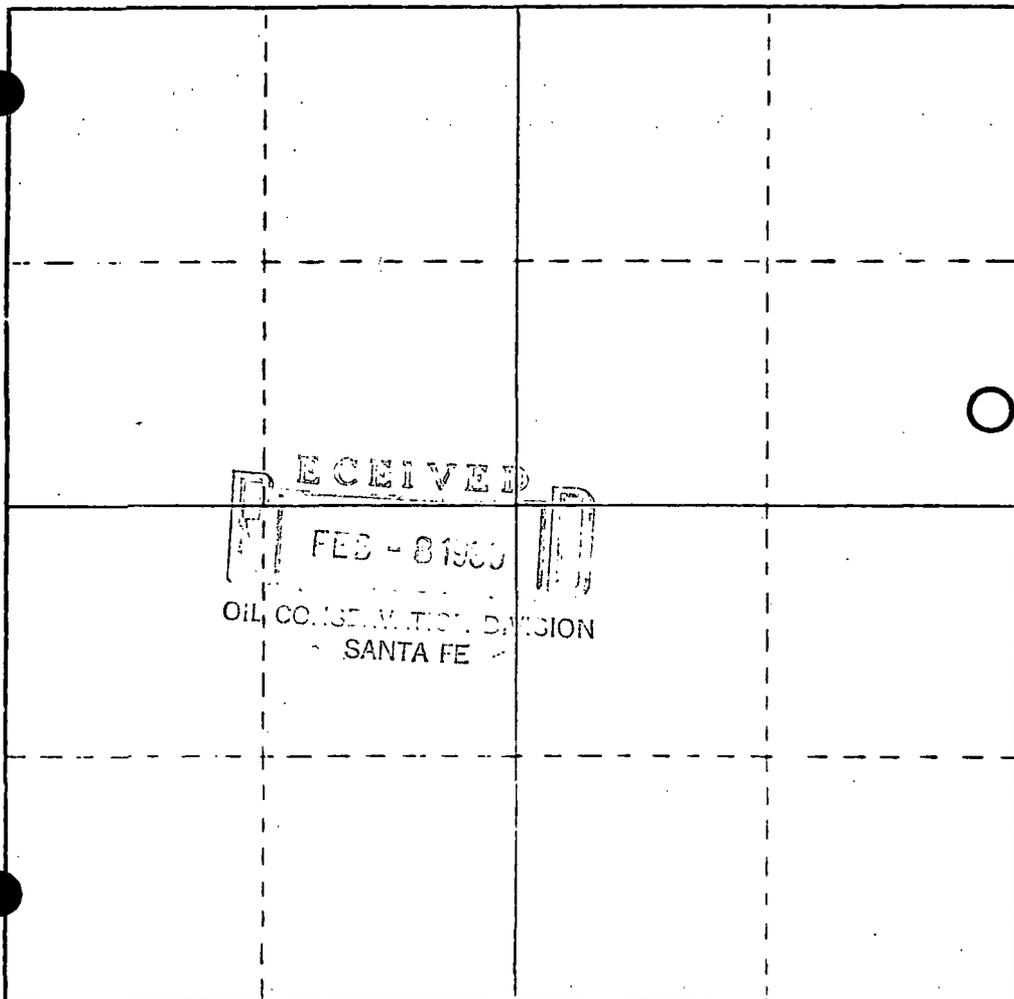
Operator HUNT ENERGY CORPORATION			Lease R. S. Hayner			Well No. 1173		
Unit Letter H	Section 7	Township 20 S.	Range 1 W.	County DONA ANA				
Actual Footage Location of Well: 200 feet from the East line and 2100 feet from the North line								
Ground Level Elev. 4100'	Producing Formation --			Pool Wildcat			Dedicated Acreage: Acres	

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



RECEIVED
FEB - 8 1980
OIL CONSERVATION DIVISION
SANTA FE

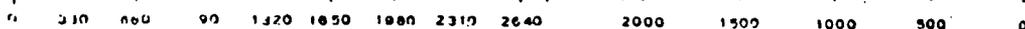
CERTIFICATION

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

Name	<i>Boyd Williams</i>
Position	Project Supervisor
Company	GeoThermal Services, Inc.
Date	January 1980

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

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



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

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

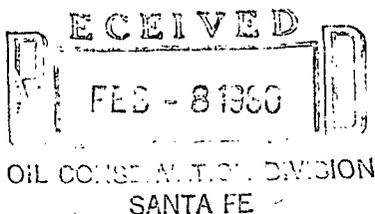
NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	/	✓
N.M.B.M.	/	
U.S.G.S.	/	
Operator	/	
Land Office		

5. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5.a State Lease No. N.A.	
7. Unit Agreement Name N.A.	
8. Farm or Lease Name R. S. Hayner	
9. Well No. 1172	
10. Field and Pool, or Wildcat Wildcat	
12. County Dona Ana	
19. Proposed Depth 2000 feet	19A. Formation --
20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4035 feet	21A. Kind & Status Plug. Bond
21B. Drilling Contractor GeoThermal Services, Inc.	22. Approx. Date Work will start January 1980

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
10"	7" O.D.	20#	200'	100	
6"	2" I.D.	4#	2000'	-	

(See Enclosed Plan of Operation #1-80-2000)



APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 6-5-80
UNLESS DRILLING UNDERWAY

COLLECT AND SACK SAMPLES FOR
NEW MEXICO BUREAU OF MINES, SOCORRO
AT AT LEAST TEN FOOT INTERVALS

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 Joey Williams Title Project Supervisor Date 2/1/80

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 3/7/80

CONDITIONS OF APPROVAL, IF ANY:

GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

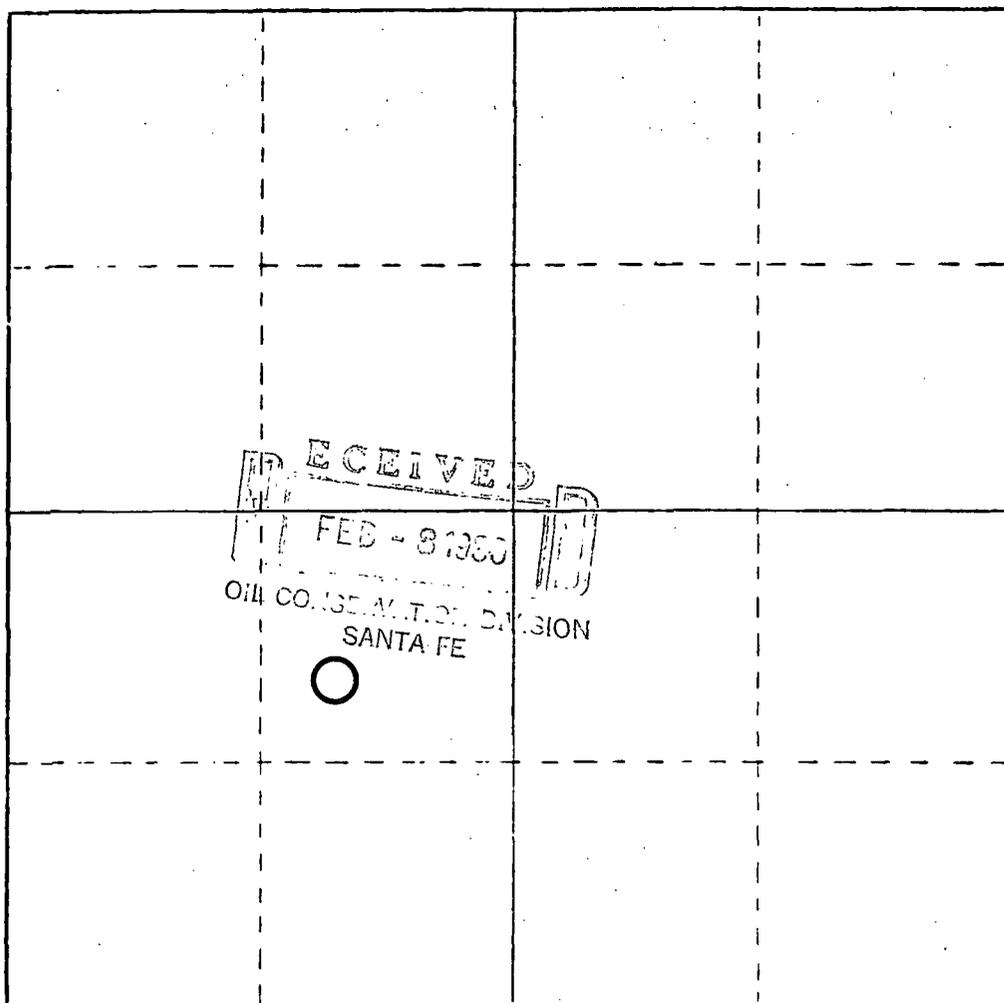
Operator HUNT ENERGY CORPORATION			Lease R. S. Hayner			Well No. 1172		
Unit Letter K	Section 7	Township 20 S.	Range 1 W.	County DONA ANA				
Actual Footage Location of Well: 1800 feet from the West line and 1900 feet from the South line								
Ground Level Elev. 4035'	Producing Formation --			Pool Wildcat			Dedicated Acreage: Acres	

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



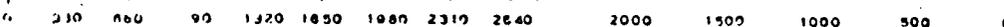
CERTIFICATION

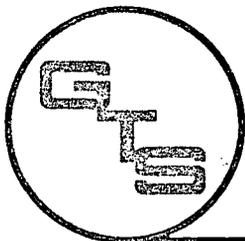
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name	<i>Bruce Williams</i>
Position	Project Supervisor
Company	GeoThermal Services, Inc.
Date	January 1980

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

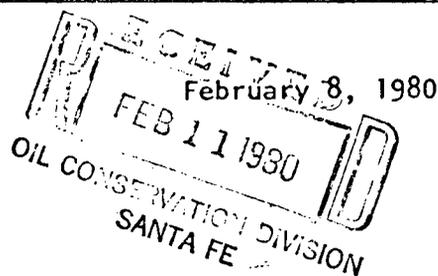
Date Surveyed	
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	





GEO THERMAL SERVICES, INC.

10072 WILLOW CREEK ROAD, SAN DIEGO, CALIFORNIA 92131 • (714) 566-4520



State of New Mexico Oil
Conservation Commission
Geothermal Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Carl Ulvog

Dear Mr. Ulvog;

Per our telephone conversation of February 8, 1980, please make the following additions to the G-101 forms submitted February 5, 1980:

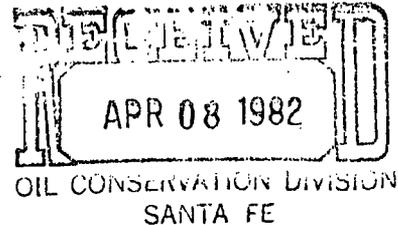
- 1). Holes 1114, 1172 and 1173 are on fee land owned by Mr. R.S. Hayner of Radium Springs, New Mexico.
- 2). Holes 1412, 1455, 1461, 1463, 1468 and 1489 are all on state land.

If you have any other questions or need further information, please give me a call.

Sincerely,

Barry V. Williams
Project Supervisor

HUNT ENERGY CORPORATION
2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202



April 9, 1982

New Mexico Oil Conservation Commission
P.O. Box 2088
Sante Fe, New Mexico 87501

ATTENTION: CARL ULVOG

Dear Mr. Ulvog:

re: NOTICE OF COMPLETION
NEW MEXICO GEOTHERMAL
PROSPECTS

In regard to our telephone conversation of April 1, 1982 please consider this letter a "Notice of Completion" for all holes equal to or less than 2,000 feet, permitted in the State of New Mexico on behalf of Hunt Energy Corporation.

Geothermal Services Inc. the drilling contractor for these holes, is no longer in service and our files are incomplete as to notices of intent and completion forms submitted by them. However, the holes drilled were abandoned according to proper procedure.

Attached are some completion forms that were submitted to the USGA. As for the hole numbers that you questioned, the results are as follows:

RADIUM SPRINGS	1114	Not drilled
	1172	500 feet
	1173	Not drilled
RESTLESS	1412	500 feet
	1455	Not drilled
	1461	460 feet
	1463 ✓	Not drilled ✓
	1468	Not drilled
	1489	Not drilled

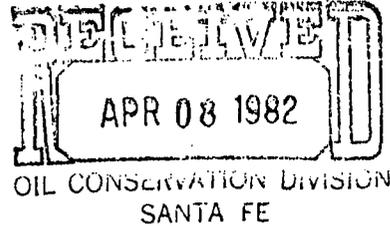
Should you require additional information regarding this issue please call me at 214/748-1300.

Sincerely
HUNT ENERGY CORPORATION

G. S. Bumgarner Jr.
G.S. Bumgarner Jr.
GEOTHERMAL OPERATIONS

GSB:jv

HUNT ENERGY CORPORATION
2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202



April 9, 1982

New Mexico Oil Conservation Commission
P.O. Box 2088
Sante Fe, New Mexico 87501

ATTENTION: CARL ULVOG

Dear Mr. Ulvog:

re: NOTICE OF COMPLETION
NEW MEXICO GEOTHERMAL
PROSPECTS

In regard to our telephone conversation of April 1, 1982 please consider this letter a "Notice of Completion" for all holes equal to or less than 2,000 feet, permitted in the State of New Mexico on behalf of Hunt Energy Corporation.

Geothermal Services Inc. the drilling contractor for these holes, is no longer in service and our files are incomplete as to notices of intent and completion forms submitted by them. However, the holes drilled were abandoned according to proper procedure.

Attached are some completion forms that were submitted to the USGA. As for the hole numbers that you questioned, the results are as follows:

RADIUM SPRINGS	1114	Not drilled
	1172 ✓	500 feet ✓
	1173	Not drilled
RESTLESS	1412	500 feet
	1455	Not drilled
	1461	460 feet
	1463	Not drilled
	1468	Not drilled
	1489	Not drilled

Should you require additional information regarding this issue please call me at 214/748-1300.

Sincerely
HUNT ENERGY CORPORATION
G. S. Bumgarner Jr.
G.S. Bumgarner Jr.
GEOTHERMAL OPERATIONS

GSB:jv

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF COMPLETION OF GEOTHERMAL RESOURCE
EXPLORATION OPERATIONS

Name HUNT ENERGY CORPORATION GEOTHERMAL DIVISION	Address (include zip code) 2500 First National Bank Bldg. Dallas, Texas 75202
--	---

Pursuant to the *Notice Number* heretofore filed to conduct geothermal resource exploration operations,
this is to
NOI #AGS-169-NM-20688

advise that such operations were completed (*date*) December 1980, on the lands described in the above
identified notice.

All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level; d) covering the hole with soil, and; e) restoring the site as nearly as possible to the original condition.

No salt or coal beds were detected.

No unusual or hazardous drilling conditions were encountered.



(Geophysical Operator's Signature)

10072 Willow Creek Road, San Diego, CA 92131

(Address, include zip code)

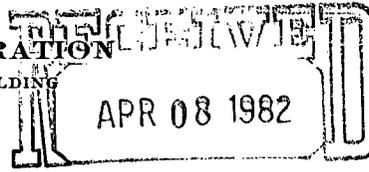
March 1981

(Date)

Instructions: Submit original and one (1) copy of completed form to proper Bureau of Land Management Office. Insert Notice Number of *Notice of Intent to Conduct Exploration Operation* (Form 3200-2) which authorized the exploration completed.

HUNT ENERGY CORPORATION

2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202



OIL CONSERVATION DIVISION

SANTA FE

Telephone (214) 748-1300

April 6, 1982

New Mexico Oil Conservation Commission
P.O. Box 2088
SANTE FE, NEW MEXICO 87501

ATTENTION: CARL ULVOG

Dear Mr. Ulvog:

re: RADIUM SPRINGS - WELL No. 22

Enclosed are Forms G-103 and G-106 for the abandonment of Well 22.

Also, for your files are copies of reports for Wells 25 and 53. These two wells are still being used for observation purposes if you have any questions please call me at (214)748-1300 ext. 464.

Very truly yours

HUNT ENERGY CORPORATION

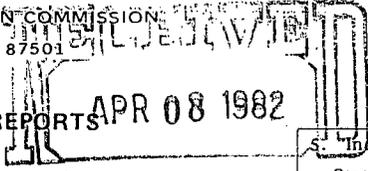
A handwritten signature in cursive script that reads "G. S. Bumgarner Jr.".

G. S. BUMGARNER JR.
GEOHERMAL OPERATIONS

GSB:jv
Enclosures

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

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



SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

SANTA FE

5. Indicate Type of Lease
State Federal Fee

5.a State Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Radium Springs

9. Well No. 22

10. Field and Pool, or Wildcat

12. County
DONA ANA

Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a Different Reservoir. Use "Application For Permit -" (Form G-101) for Such Proposals.)

1. Type of well
 Geothermal Producer Temp. Observation
 Low-Temp Thermal Injection/Disposal

2. Name of Operator
HUNT ENERGY CORPORATION

3. Address of Operator
2500 FIRST NATIONAL BANK DALLAS, TEXAS 75202

4. Location of Well
 Unit Letter D 1000 Feet From The NORTH Line and 900 Feet From
 The WEST Line, Section 27 Township 20S Range 1W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
4400 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON
 PULL OR ALTER CASING CHANGE PLANS
 OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. PLUG & ABANDONMENT
 CASING TEST AND CEMENT JOB
 OTHER

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

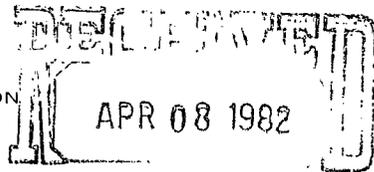
Well has been abandoned and site inspected by representative of New Mexico State University

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

SIGNED G. S. Bumpass Jr. TITLE Geologist DATE 4/6/82

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 4-16-82

CONDITIONS OF APPROVAL, IF ANY:



GEOHERMAL RESOURCES WELL SUMMARY REPORT

DALLAS, TEXAS 75202

Operator HUNT ENERGY CORPORATION Address 2500 FIRST NATIONAL BANK BLDG
 Lease Name RADIUM SPRINGS Well No. 22
 Unit Letter D Sec. 27 Twp. 20S Rge 1W
 Reservoir _____ County DONA ANA

Commenced drilling 10/14/81 GEOLOGICAL MARKERS _____ DEPTH _____
 Completed drilling 11/6/81 _____
 Total depth 2925' Plugged depth _____
 Junk _____
 Commenced producing _____ Geologic age at total depth: _____
 (Date)

Date	Static test		Production Test Data									
	Shut-in well head		Total Mass Flow Data					Separator Data				
	Temp. °F	Pres. Psig.	Lbs/Hr	Temp. °F	Pres. Psig.	Enthalpy	Orifice	Water cuft/Hr	Steam Lbs/Hr	Pres. Psig.	Temp. °F	

CASING RECORD (Present Hole)

Size of Hole	Size of Casing	Weight of Csg/ft.	Grade of Casing	New or Used	Seamless or Lapweld	Depth of Shoe	Top of Casing	Number of Sacks Cement	Top of Cement	Cement Top Determined By
14.3/4	10.3/4	54	K55	New		415	0	200	380	
8.3/4	7	25	K55	New		1990	0	420	1860	
6.1/4	2	Tubing		New		2925	0			

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

Was analysis of effluent made? No Electrical log depths Not Run Temperature log depths 0-2925

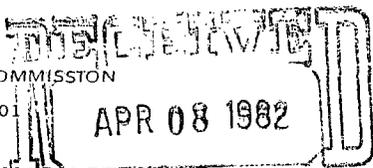
CERTIFICATION

I hereby certify that the information given above and the data and material attached hereto are true and complete to the best of my knowledge and belief.

Signed G. S. Bingham Jr. Position Geologist Date 4-6-82

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501



GEOHERMAL RESOURCES WELL SUMMARY REPORT

OIL CONSERVATION DIVISION
SANTA FE, TEXAS 75202
2500 FIRST NATIONAL BANK BLDG

Operator HUNT ENERGY CORPORATION Address 2500 FIRST NATIONAL BANK BLDG
 Lease Name RADIUM SPRINGS Well No. 22
 Unit Letter D Sec. 27 Twp. 20S Rge 1W
 Reservoir _____ County DONA ANA

Commenced drilling 10/14/81 GEOLOGICAL MARKERS _____ DEPTH _____
 Completed drilling 11/6/81 _____
 Total depth 2925' Plugged depth _____
 Junk _____
 Commenced producing _____ Geologic age at total depth: _____
 (Date)

Date	Static test		Production Test Data									
	Shut-in well head		Total Mass Flow Data				Separator Data					
	Temp. °F	Pres. Psig.	Lbs/Hr	Temp. °F	Pres. Psig.	Enthalpy	Orifice	Water cuft/Hr	Steam Lbs/Hr	Pres. Psig.	Temp. °F	

CASING RECORD (Present Hole)

Size of Hole	Size of Casing	Weight of Csg/ft.	Grade of Casing	New or Used	Seamless or Lapweld	Depth of Shoe	Top of Casing	Number of Sacks Cement	Top of Cement	Cement Top Determined By
4.3/4	10.3/4	54	K55	New		415	0	200	380	
3.3/4	7	25	K55	New		1990	0	420	1860	
5.1/4	2	Tubing		New		2925	0			

PERFORATED CASING

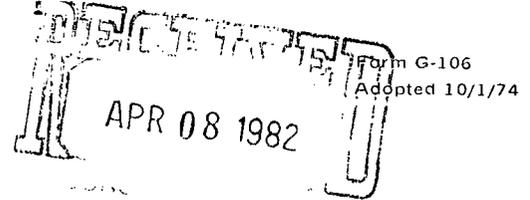
(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

Was analysis of effluent made? NO Electrical log depths Not Run Temperature log depths 0-2925

CERTIFICATION

I hereby certify that the information given above and the data and material attached hereto are true and complete to the best of my knowledge and belief.

Signed G. S. Bungamer Jr. Position Geologist Date 4-6-82



GEOHERMAL RESOURCES WELL SUMMARY REPORT

DALLAS, TEXAS 75202

Operator HUNT ENERGY CORPORATION Address 2500 FIRST NATIONAL BANK BLDG
Lease Name RADIUM SPRINGS Well No. 22
Unit Letter D Sec. 27 Twp. 20S Rge 1W
Reservoir _____ County DONA ANA

Commenced drilling 10/14/81 GEOLOGICAL MARKERS _____ DEPTH _____
Completed drilling 11/6/81 _____
Total depth 2925' Plugged depth _____
Junk _____
Commenced producing _____ Geologic age at total depth: _____
(Date)

Date	Static test		Production Test Data									
	Shut-in well head		Total Mass Flow Data					Separator Data				
	Temp. °F	Pres. Psig.	Lbs/Hr	Temp. °F	Pres. Psig.	Enthalpy	Orifice	Water cuft/Hr	Steam Lbs/Hr	Pres. Psig.	Temp. °F	

CASING RECORD (Present Hole)

Size of Hole	Size of Casing	Weight of Csg/ft.	Grade of Casing	New or Used	Seamless or Lapweld	Depth of Shoe	Top of Casing	Number of Sacks Cement	Top of Cement	Cement Top Determined By
4.3/4	10.3/4	54	K55	New		415	0	200	380	
3.3/4	7	25	K55	New		1990	0	420	1860	
5.1/4	2	Tubing		New		2925	0			

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

Was analysis of effluent made? NO Electrical log depths Not Run Temperature log depths 0-2925

CERTIFICATION

I hereby certify that the information given above and the data and material attached hereto are true and complete to the best of my knowledge and belief.

Signed G. S. Bumgarner Jr. Position Geologist Date 4-6-82

NO. OF COPIES RECEIVED		
DISTRIBUTION		
e	1	<input checked="" type="checkbox"/>
M.B.M.	1	
S.G.S.	1	
erator	1	
Office BLM	1	

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

RECEIVED
JUL 28 1981
5. Indicate Type of Lease
OIL CONSERVATION GENERAL FEE

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

5.a State Lease No. **SANTA FE**

Type of Work Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>	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
Name of Operator HUNT ENERGY CORP	8. Farm or Lease Name RADIUM SPRINGS	9. Well No. 22
Address of Operator FIRST NATIONAL BANK, DALLAS, TEXAS 75202	10. Field and Pool, or Wildcat	
Location of Well UNIT LETTER D LOCATED approx 1000 FEET FROM THE North LINE 600 FEET FROM THE West LINE OF SEC. 27 TWP. 20 S RGE. 1 W NMPM	12. County Dona Ana	
19. Proposed Depth 3000	19A. Formation Unknown	20. Rotary or C.T. Rotary
Elevations (Show whether DF, RT, etc.) approx. 4410 GR	21A. Kind & Status Plug. Bond \$10,000 #5204889	21B. Drilling Contractor N/A
		22. Approx. Date Work will start Aug. 10, 1981

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	10-3/4	54 #	300	600	0'
8-3/4	7"	26 #	3000'	liner	200'

APPROVAL VALID FOR **90** DAYS
PERMIT EXPIRES **11-2-81**
UNLESS DRILLING UNDERWAY

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

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.
G. S. Bumgarner Jr. Title **Hunt Energy Corp. Geothermal Operations** Date **7-23-81**

(This space for State Use)

APPROVED BY **Carl Woog** TITLE **SENIOR PETROLEUM GEOLOGIST** DATE **8/4/81**

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 Hunt Energy Corp.		Lease Federal NM 25557		Well No. 22
Unit Letter D	Section 27	Township 20 South	Range 1 West	County Dona Ana

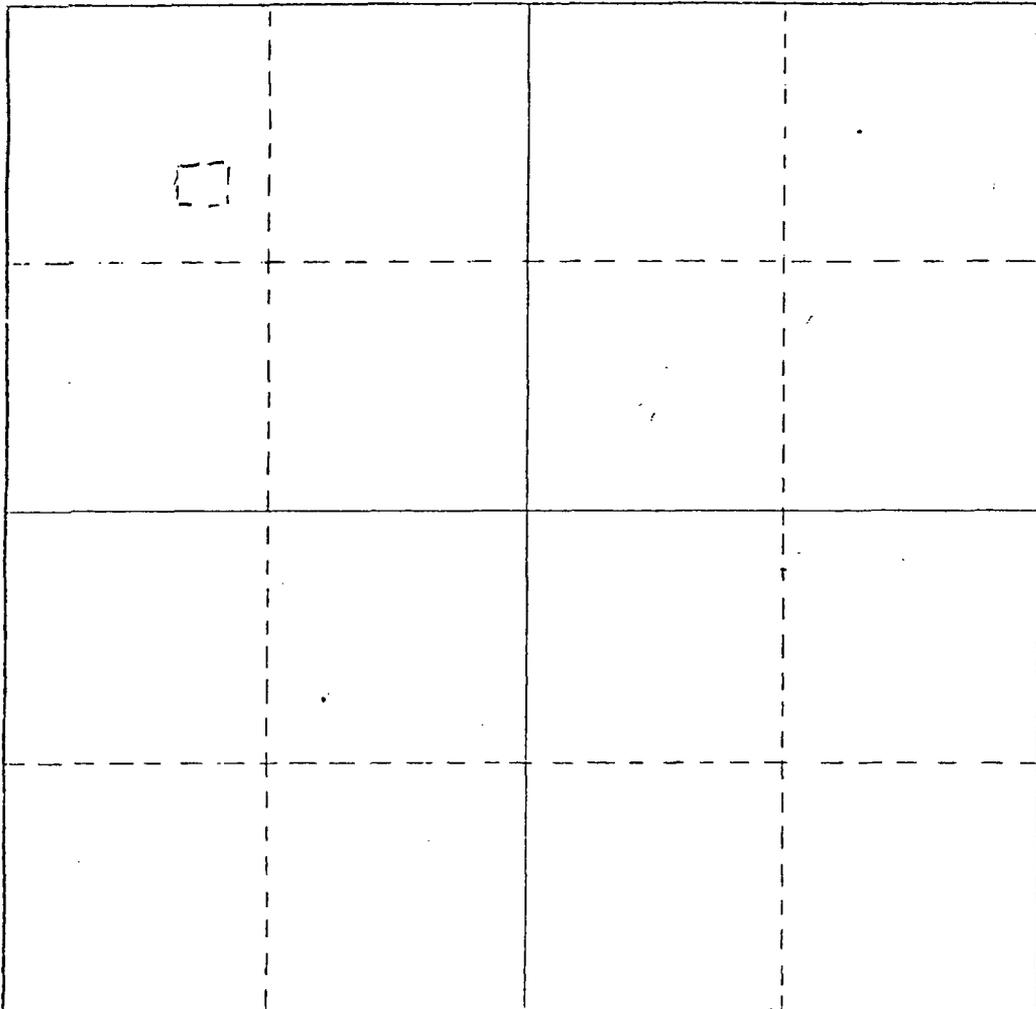
Actual Footage Location of Well:
Approx. 1000 feet from the **North** line and **6000** feet from the **West** line

Ground Level Elev. Approx. 4410' GR	Producing Formation N.A.	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.) **---**

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	G. S. Bumgarner, Jr. Geologist
Position	Hunt Energy Corporation
Company	July 29, 1981
Date	

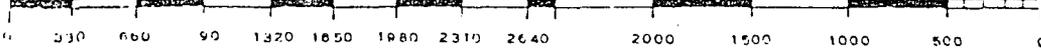
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **AUG 8 1981**

Registered Professional Engineer and/or Land Surveyor

**OIL CONSERVATION DIVISION
SANTA FE**

Certificate No.



R 1 W

NEW

MEXICO

T
20
S

T
20
S

27
ANIMAL

26

33

34

35

T
21
S

T
21
S

Radium
Springs

BM

Windmill

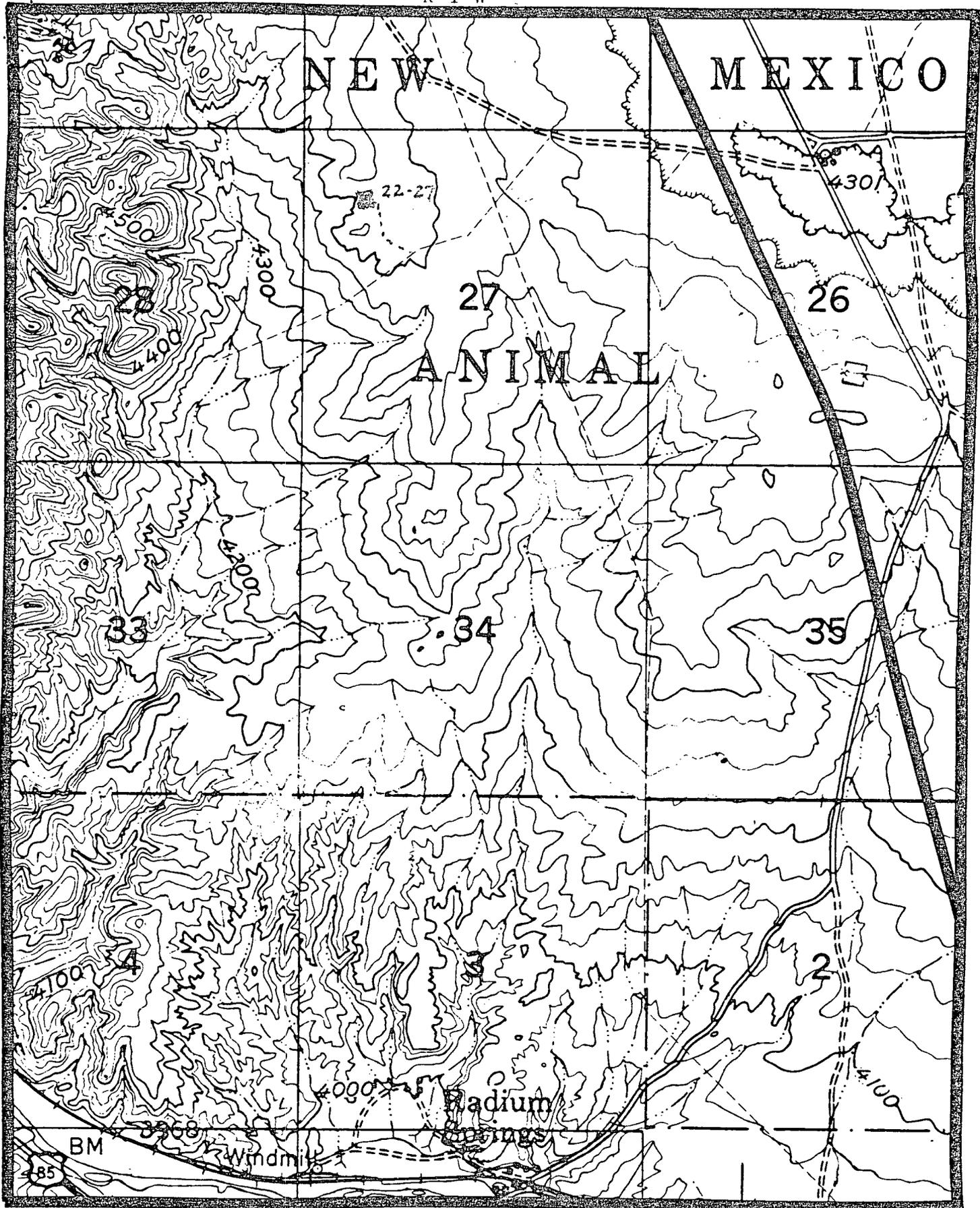
R 1 W

Scale

1 mile

Radium Springs Area
Dona Ana Co., New Mexico

0



COPY FOR CARL ULVOG

Form: USGS 9-1957

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY, CONSERVATION DIVISION
GEO THERMAL DRILLING PERMIT

JUL 28 1981
Form Approved
Budget Bureau No.

OIL CONSERVATION DIVISION
NM-8457 FE
5. SURFACE MANAGER: BLM (X) & FS ()
New Mexico State University
6. UNIT AGREEMENT NAME

7. WELL NO. 22-27 8. PERMIT NO. ---
9. FIELD OR AREA Radium Springs
10. SEC. T., R., B. & M. Sec. 27, T. 20 S., R. 1 W, NMBM
11. COUNTY Dona Ana
12. STATE New Mexico
13. APPROX. STARTING DATE Aug. 10, 1981
14. ACRES ASSIGNED (WELL SPACING)

The U.S. Geological Survey requires this form or other Supervisor approved form to be prepared and filed in triplicate with requisite attachments with the Supervisor. The Supervisor must approve this permit prior to any lease operation.

1a. TYPE OF WORK: DRILL NEW WELL (X) REDRILL () DEEPEN () PLUG BACK () DIRECTIONALLY DRILL () OTHER ()

1b. WELL TYPE: PRODUCTION () INJECTION () HEAT EXCHANGE () OBSERVATION (X) WATER SUPPLY () OTHER ()

1c. WELL STATUS:

2. NAME OF LESSEE/OPERATOR
Caroline L. Hunt/Hunt Energy Corporation

3. ADDRESS OF LESSEE/OPERATOR
2500 First National Bank Building, Dallas, Texas 75202

15. LOCATION OF WELL
At surface SE 1/4 NW 1/4 NW 1/4, Sec. 27, T. 20 S., R. 1 W., NMBM
At proposed prod. zone

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE
Approx. 1000' from north line of Sec. 27

17. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE
Approx. 1700' from well #53-27, Lamar Hunt Operator

18. DRILLING MEDIA AND CHARACTERISTICS: AIR (X) WATER (X) MUD (X) FOAM () Other ()

19. PROPOSED DEPTH MEASURED: 3000'
TRUE VERTICAL: 3000'

20. ELEVATIONS: ESTIMATED (X) FINAL ()
4410'
REFERENCE DATUM: GR (X) MAT () DF () KB () RT ()
CASINGHEAD FLANGE () OTHER ()

21. EXISTING AND/OR PROPOSED CASING AND CEMENTING PROGRAM (List existing program first, followed by proposed program, and separate by a sufficient space to clearly distinguish the two programs)

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	COUPLING (Collars & Threads)	GRADE	SETTING DEPTH		QUANTITY OF CEMENT
					Top	Bottom	
17 1/2"	10 3/4"	54#	Buttr.	K-55	0	300'	600 sx
8 3/4"	7" liner	26#	T & C	K-55	200'	300'	hang

22. PROPOSED WORK SUMMARY

Prepare Road and location
Drill to 3000' with trailer mounted drill rig
liner will be slotted at selected intervals

(Use additional space on reverse side of form)

SIGNED G. S. Bumgarner, Jr. HUNT ENERGY CORPORATION GEOTHERMAL OPERATIONS, 7-23-81
TITLE DATE

(This space for Federal use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

This permit is required by law (30 U.S.C. 1023); regulations: 30 CFR 270.71; Federal Geothermal Lease Terms and Stipulations and other regulatory requirements. The United States Criminal Code (18 U.S.C. 1001) makes it a criminal offense to make a willfully false statement or representation to any Department or Agency of the United States as to any matter within its jurisdiction.

(See instructions on reverse side)

HUNT ENERGY CORPORATION
2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

RECEIVED
JUL 28 1981
OIL CONSERVATION DIVISION
SANTA FE

July 22, 1981

DCM - Geothermal
United States Geological Survey
345 Middlefield Road
Menlo Park, California 94025

Attention: Ellis Hammett

RE: Radium Springs 22-27
Dona Ana County, New Mexico

Please find enclosed triplicate copies of the Geothermal Drilling Permit for the above referenced well.

If you would like anything additional, please let me know.

Sincerely,



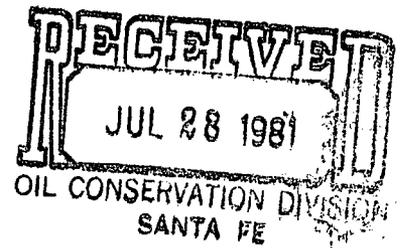
G.S. Bumgarner, Jr.
Geothermal Operations

GSB/jv
Enclosure
cc: Carl Ulvog
Tom Custer

HUNT ENERGY CORPORATION

2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202

214-748-1300



July 22, 1981

Mr. Carl Ulvog
New Mexico Oil Conservation Commission
P.O. Box 2088
SANTA FE 87501

Dear Mr. Ulvog:

RE: RADIUM SPRINGS
WELL # 22

Please find enclosed Application for Permit to Drill, Deepen,
or Plug Back--Geothermal Resources Well.

If you need any additional information please let us know.

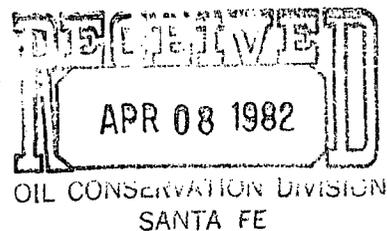
Sincerely yours,

A handwritten signature in cursive script that reads "G.S. Bumgarner, Jr.".

G.S. Bumgarner, Jr.
Geothermal Operations

GSB:jv
Enclosure

HUNT ENERGY CORPORATION
2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202



April 9, 1982

New Mexico Oil Conservation Commission
P.O. Box 2088
Sante Fe, New Mexico 87501

ATTENTION: CARL ULVOG

Dear Mr. Ulvog:

re: NOTICE OF COMPLETION
NEW MEXICO GEOTHERMAL
PROSPECTS

In regard to our telephone conversation of April 1, 1982 please consider this letter a "Notice of Completion" for all holes equal to or less than 2,000 feet, permitted in the State of New Mexico on behalf of Hunt Energy Corporation.

Geothermal Services Inc. the drilling contractor for these holes, is no longer in service and our files are incomplete as to notices of intent and completion forms submitted by them. However, the holes drilled were abandoned according to proper procedure.

Attached are some completion forms that were submitted to the USGA. As for the hole numbers that you questioned, the results are as follows:

RADIUM SPRINGS	1114	Not drilled
	1172	500 feet
	1173	Not drilled
RESTLESS	1412	500 feet
	1455	Not drilled
	1461	460 feet
	1463	Not drilled
	1468	Not drilled
	1489	Not drilled

Should you require additional information regarding this issue please call me at 214/748-1300.

Sincerely
HUNT ENERGY CORPORATION

G. S. Bumgarner Jr.
G.S. Bumgarner Jr.
GEOTHERMAL OPERATIONS

GSB:jv

RESTLESS PROSPECT, NEW MEXICO

NOI #AGS-171-NM-20690

<u>HOLE NO.</u>	<u>TOTAL DEPTH</u>
1451	2000'
1452	500'
1453	500'
1454	430'
1457	500'
1460	500'
1465	500'
1466	500'
1467	317'
1473	365'
1480	500'
1482	450'
1483	500'
1484	460'
1485	2000'
1488	493'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



NOTICE OF COMPLETION OF GEOTHERMAL RESOURCE
EXPLORATION OPERATIONS

Name HUNT ENERGY CORPORATION GEOTHERMAL DIVISION	Address (include zip code) 2500 First National Bank Bldg. Dallas, Texas 75202
--	---

Pursuant to the Notice Number _____ heretofore filed to conduct geothermal resource exploration operations, this is to
NOI #AGS-171-NM-20690

advise that such operations were completed (date) December 1980, on the lands described in the above identified notice.

All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level; d) covering the hole with soil, and; e) restoring the site as nearly as possible to the original condition.

No salt or coal beds were detected.

No unusual or hazardous drilling conditions were encountered.



(Geophysical Operator's Signature)

10072 Willow Creek Road, San Diego, CA 92131

(Address, include zip code)



(Date)

Instructions: Submit original and one (1) copy of completed form to proper Bureau of Land Management Office. Insert Notice Number of Notice of Intent to Conduct Exploration Operation (Form 3200-2) which authorized the exploration completed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF COMPLETION OF GEOTHERMAL RESOURCE
EXPLORATION OPERATIONS

Name HUNT ENERGY CORPORATION GEOTHERMAL DIVISION	Address (include zip code) 2500 First National Bank Bldg. Dallas, Texas 75202
--	---

Pursuant to the Notice Number _____ heretofore filed to conduct geothermal resource exploration operations,
this is to

NOI #AGS-169-NM-20688

advise that such operations were completed (date) December 1980, on the lands described in the above
identified notice.

All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level; d) covering the hole with soil, and; e) restoring the site as nearly as possible to the original condition.

No salt or coal beds were detected.

No unusual or hazardous drilling conditions were encountered.



(Geophysical Operator's Signature)

10072 Willow Creek Road, San Diego, CA 92131

(Address, include zip code)



(Date)

Instructions: Submit original and one (1) copy of completed form to proper Bureau of Land Management Office. Insert Notice Number of Notice of Intent to Conduct Exploration Operation (Form 3200-2) which authorized the exploration completed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF COMPLETION OF GEOTHERMAL RESOURCE
EXPLORATION OPERATIONS

Name HUNT ENERGY CORPORATION GEOTHERMAL DIVISION	Address (include zip code) 2500 First National Bank Bldg. Dallas, Texas 75202
--	---

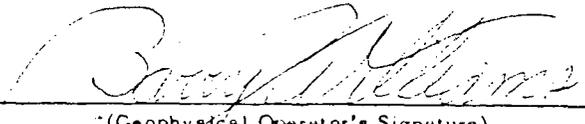
Pursuant to the Notice Number _____ heretofore filed to conduct geothermal resource exploration operations,
this is to
NOI #NM-036-GEO-0-5

advise that such operations were completed (date) December 1980, on the lands described in the above
identified notice.

All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level; d) covering the hole with soil, and; e) restoring the site as nearly as possible to the original condition.

No salt or coal beds were detected.

No unusual or hazardous drilling conditions were encountered.



(Geophysical Operator's Signature)

10072 Willow Creek Road, San Diego, CA 92131

(Address, include zip code)



(Date)

Instructions: Submit original and one (1) copy of completed form to proper Bureau of Land Management Office. Insert Notice Number of Notice of Intent to Conduct Exploration Operation (Form 3200-2) which authorized the exploration completed.

RESTLESS PROSPECT, NEW MEXICO

NOI #AGS-169-NM-20688

HOLE NO.

1412

TOTAL DEPTH

500'

RESTLESS PROSPECT, NEW MEXICO

NO1 #NM-036-GEO-0-5

<u>HOLE NO.</u>	<u>TOTAL DEPTH</u>
1458	500'
1459	500'
1461	460'
1462	500'
1464	1150'
1478	500'
1479	500'
1481	500'
1495	500'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE OF COMPLETION OF GEOTHERMAL RESOURCE
EXPLORATION OPERATIONS

Name HUNT ENERGY CORPORATION GEOTHERMAL DIVISION	Address (include zip code) 2500 First National Bank Bldg. Dallas, Texas 75202
--	---

Pursuant to the Notice Number _____ heretofore filed to conduct geothermal resource exploration operations,
this is to **NOI #NM-036-GEO-0-3**

advise that such operations were completed (date) **December 1980**, on the lands described in the above
identified notice.

All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level; d) covering the hole with soil, and; e) restoring the site as nearly as possible to the original condition.

No salt or coal beds were detected.

No unusual or hazardous drilling conditions were encountered.



(Geophysical Operator's Signature)

10072 Willow Creek Road, San Diego, CA 92131

(Address, include zip code)



(Date)

Instructions: Submit original and one (1) copy of completed form to proper Bureau of Land Management Office. Insert Notice Number of Notice of Intent to Conduct Exploration Operation (Form 3200-2) which authorized the exploration completed.

RESTLESS PROSPECT, NEW MEXICO

NOI #NM-036-GEO-0-3

HOLE NO.

TOTAL DEPTH

1411

500'