

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 F LOCATED 2500 FEET FROM THE West LINE AND 1600 FEET FROM THE North LINE OF SEC. 7 TWP. 20 S. RGE. 1 W. NMPM

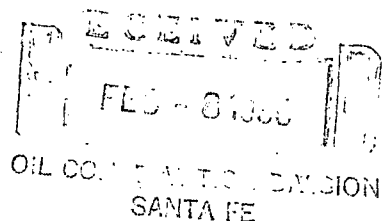
21. Elevations (Show whether DF, RT, etc.) 4050 feet	21A. Kind & Status Plug. Bond	21B. Drilling Contractor Geothermal Services, Inc.	22. Approx. Date Work will start January 1980
---	-------------------------------	---	--

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)

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 one. 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.

Signature: Barry 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.

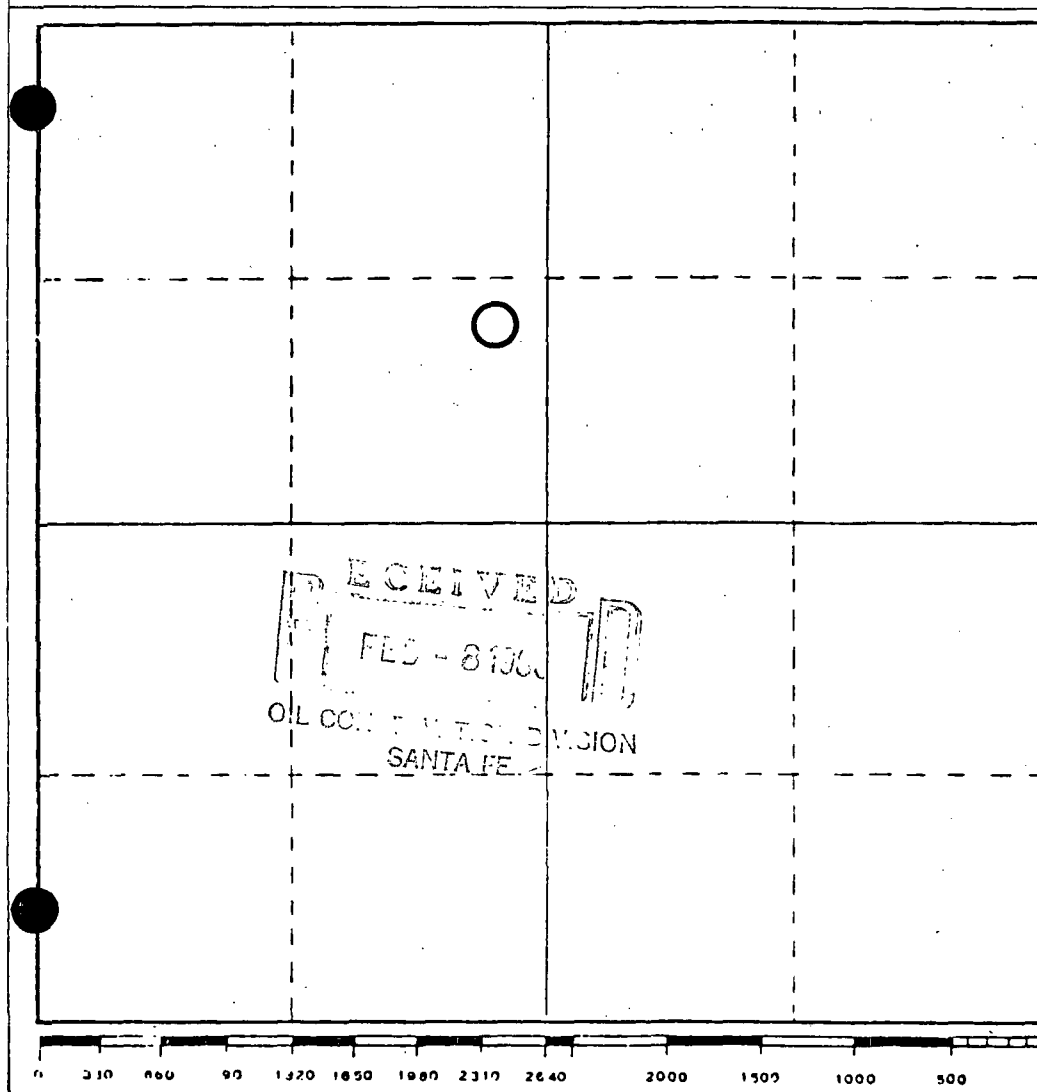
Operator HUNT ENERGY CORPORATION			Lease R. S. Hayner			Well No. 1114		
Unit Letter F	Section 7	Township 20 S.		Range 1 W.	County DONA ANA			
Actual Footage Location of Well: 2500 feet from the West line and 1600 feet from the North line								
Ground Level Elev. 4050'		Producing Formation --			Pool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



CERTIFICATION

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

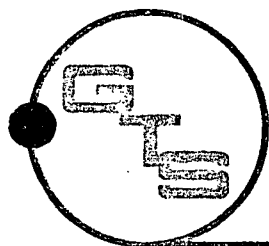
Name *Barry Williams*
Position **Project Supervisor**
Company **GeoThermal Services, Inc.**
Date **January 1980**

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

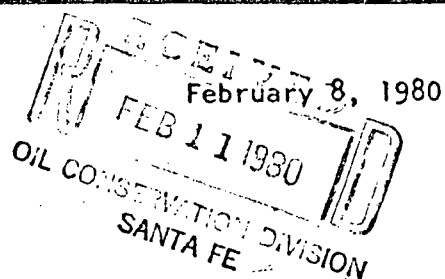
Registered Professional Engineer
and/or Land Surveyor

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

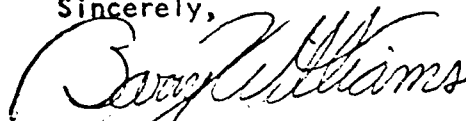
Dear Mr. Ulvog;

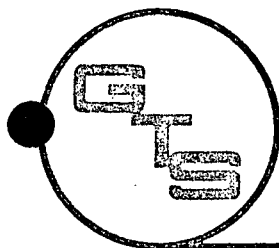
Per our telephone conversation of February 8, 1980, please make the following additions to the G-101 forms submitted February 5, 1980:

- 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.

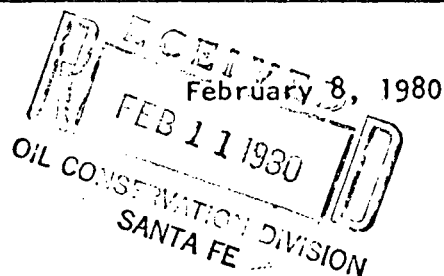
Sincerely,


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

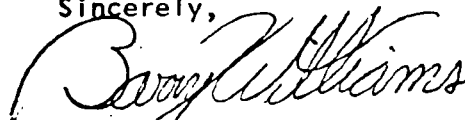
Dear Mr. Ulvog;

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

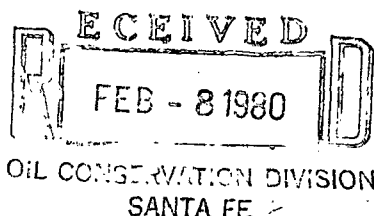
5. Indicate Type of Lease
STATE ☐ FEE ☒
5.a State Lease No.
N.A.

1a. Type of Work Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/>		7. Unit Agreement Name N.A.
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 R. S. Hayner
2. Name of Operator HUNT ENERGY CORPORATION		9. Well No. 1173
3. Address of Operator 2500 First National Bank Bldg., Dallas, Texas 75202		10. Field and Pool, or Wildcat Wildcat
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>200</u> FEET FROM THE <u>East</u> LINE AND <u>2100</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>7</u> TWP. <u>20 S.</u> RGE. <u>1 W.</u> NMPM		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)



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

COLLECT AND PACK SAMPLES FOR
NEW MEXICO OIL FIELD, COCORRO
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.

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 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.

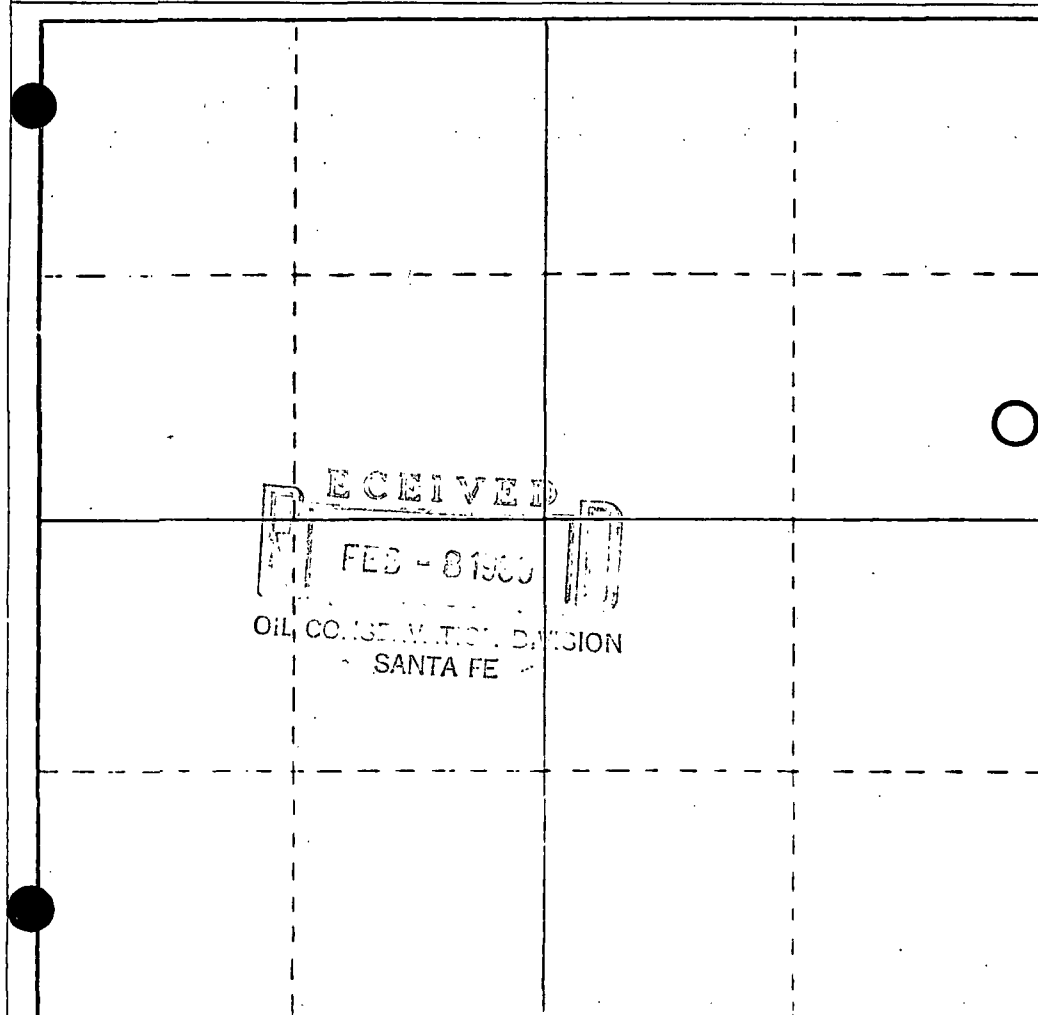
Operator HUNT ENERGY CORPORATION			Lease R. S. Hayner			Well No. 1173		
Unit Letter H	Section 7	Township 20 S.		Range 1 W.	County DONA ANA			
Actual Footage Location of Well: 200 feet from the East line and 2100 feet from the North line								
Ground Level Elev. 4100'		Producing Formation --			Pool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

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

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 ☐ FEE ☒

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

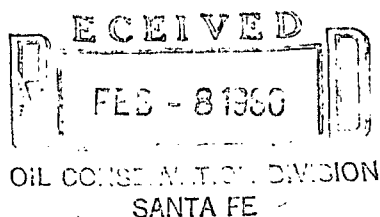
21B. Drilling Contractor
GeoThermal Services, Inc.

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 Jerry 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.

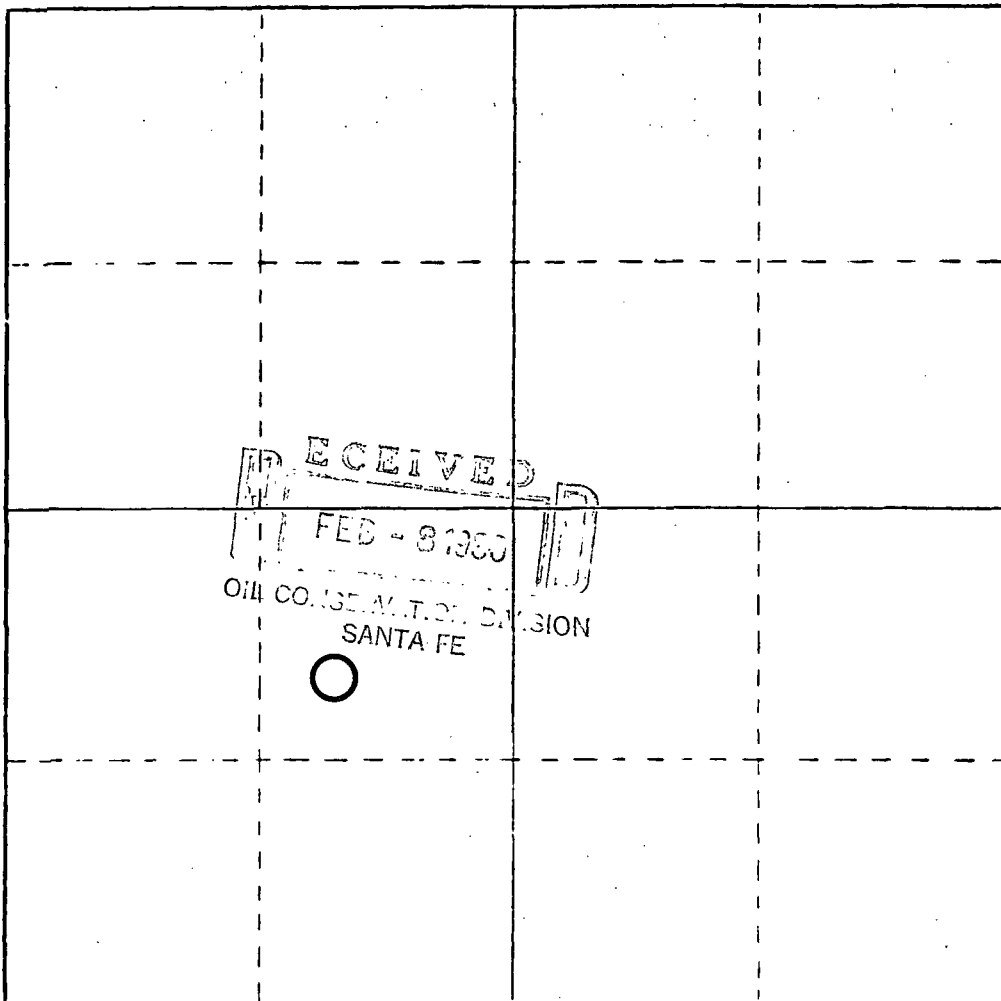
Operator HUNT ENERGY CORPORATION			Lease R. S. Hayner		Well No. 1172
Unit Letter K	Section 7	Township 20 S.	Range 1 W.	County DONA ANA	
Actual Footage Location of Well: 1800 feet from the West line and 1900 feet from the South line					
Ground Level Elev. 4035'	Producing Formation --		Pool Wildcat	Dedicated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

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

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

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

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



CERTIFICATION

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

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

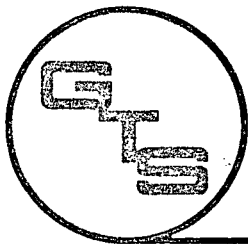
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer
and/or Land Surveyor

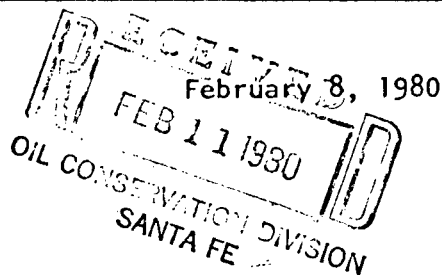
Certificate No. _____

0 210 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0



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

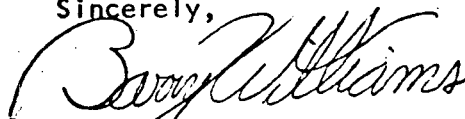
Dear Mr. Ulvog;

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.

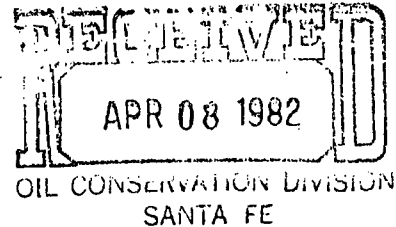
If you have any other questions or need further information, please give me a call.

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

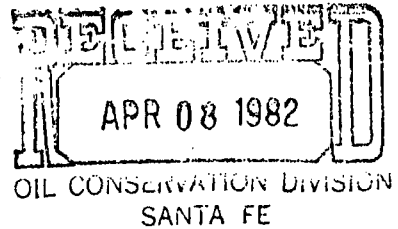
Should you require additional information regarding this issue please call me at 214/748-1300.

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)

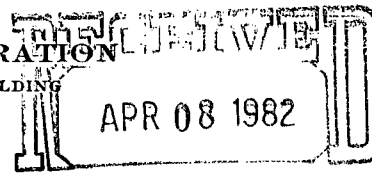
10072 Willow Creek Road, San Diego, CA 92131
(Address, include zip code)


(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



Telephone (214) 748-1300

SANTA FE

April 6, 1982

New Mexico Oil Conservation Commission
P.O. Box 2088
SANTA 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

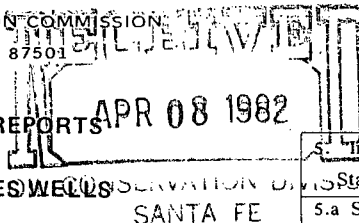
G. S. BUMGARNER JR.
GEOTHERMAL OPERATIONS

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**



5. Indicate Type of Lease
State ☐ Federal ☐ Fee ☐
5.a State Lease No.

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

1. Type of well Geothermal Producer <input type="checkbox"/> Temp. Observation <input type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator HUNT ENERGY CORPORATION	8. Farm or Lease Name Radium Springs
3. Address of Operator 2500 FIRST NATIONAL BANK DALLAS, TEXAS 75202	9. Well No. 22
4. Location of Well Unit Letter <u>D</u> <u>1000</u> Feet From The <u>NORTH</u> Line and <u>900</u> Feet From The <u>WEST</u> Line, Section <u>27</u> Township <u>20S</u> Range <u>1W</u> NMPM.	10. Field and Pool, or Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 4400 GR	12. County DONA ANA

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 ☐

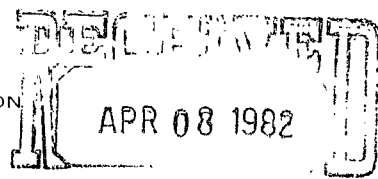
17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

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

APR 08 1982

GEOHERMAL RESOURCES WELL SUMMARY REPORT

OIL CONSERVATION DIVISION
SANTA FE, DALLAS, 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

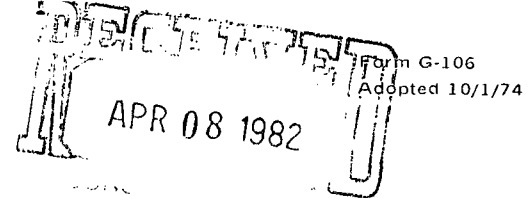
(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

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 J. S. Bungarner 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 J. S. Bumgarner Jr. Position Geologist Date 4-6-82

NO. OF COPIES RECEIVED	
DISTRIBUTION	
e	1
M.B.M.	1
S.G.S.	1
erator	1
Office BLM	1

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

RECEIVED
JUL 28 1981
5. Indicate Type of Lease ☐
OIL CONSERVATION DIVISION
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	Address of Operator FIRST NATIONAL BANK, DALLAS, TEXAS 75202	8. Farm or Lease Name RADIUM SPRINGS
Location of Well UNIT LETTER D LOCATED approx 1000 FEET FROM THE North LINE D 600 FEET FROM THE West LINE OF SEC. 27 TWP. 20 S RGE. 1 W NMPM	9. Well No. 22	10. Field and Pool, or Wildcat
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 UNDERWAYOIL CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONSABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive
Give blowout preventer program, if any.

I 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 Wloog** TITLE **SENIOR PETROLEUM GEOLOGIST** DATE **8/4/81**

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

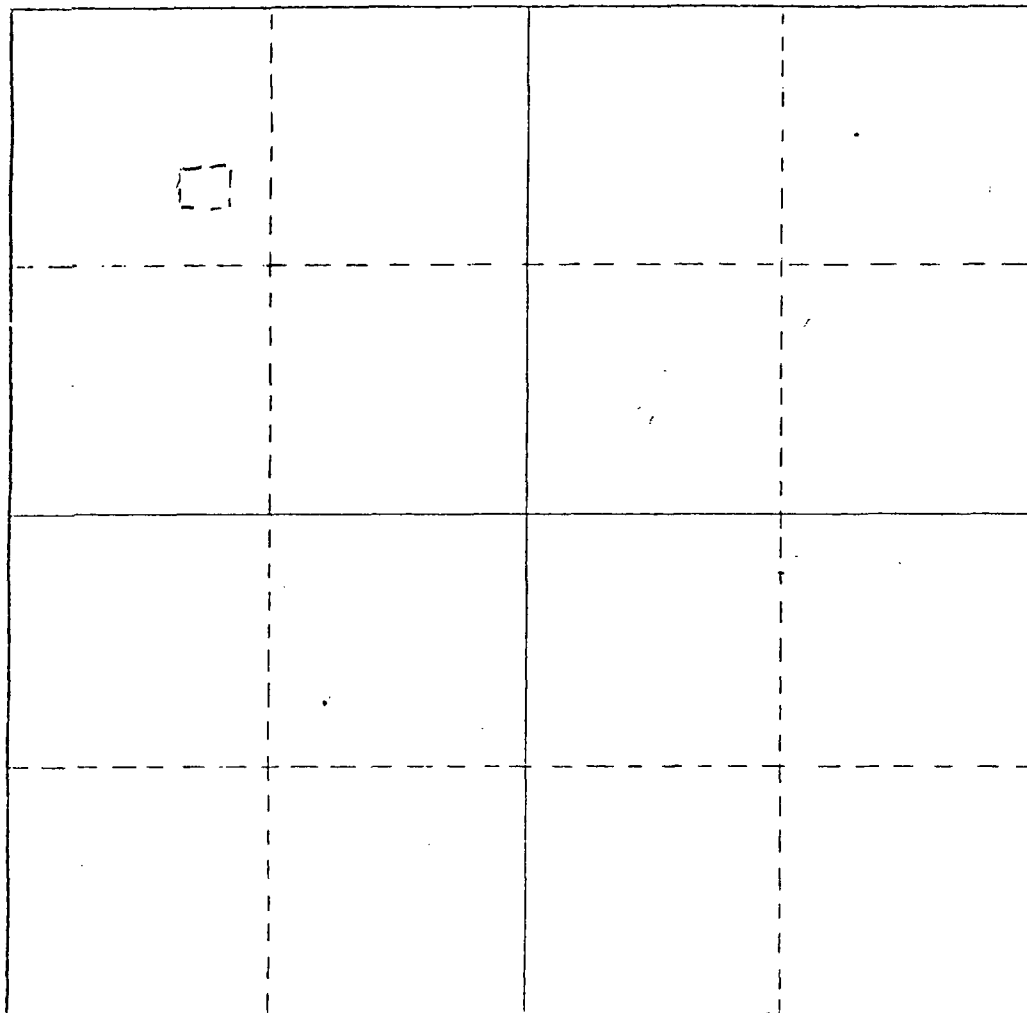
Operator Hunt Energy Corp.		Lease Federal NM 25557		Well No. 22
Unit Letter D	Section 27	Township 20 South	Range 1 West	County Dona Ana
Actual Footage Location of Well: Approx. 1000 feet from the North line and 6000 feet from the West line				
Ground Level Elev. Approx. 4410' GR	Producing Formation N.A.	Pool ---	Dedicated Acreage: Acres	

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 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

Registered Professional Engineer
and/or Land Surveyor

OIL CONSERVATION DIVISION
SANTA FE

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000

R 1 W

NEW

MEXICO

T
20
S

T
20
S

T
21
S

T
21
S

27
ANIMAL

26

33

34

35

Radium
Springs

BM

Windmill

R 1 W

Scale

1 mile

Radium Springs Area
Dona Ana Co., New Mexico

0



GEOTHERMAL DRILLING PERMIT

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 (☒) REDRILL () DEEPEN () PLUG BACK () DIRECTIONALLY DRILL () OTHER ()1b. WELL TYPE: PRODUCTION () INJECTION () HEAT EXCHANGE () OBSERVATION (☒) 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 (☒)
WATER (☒) MUD (☒) FOAM () Other ()19. PROPOSED DEPTH
MEASURED: 3000'

TRUE VERTICAL: 3000'

20. ELEVATIONS: ESTIMATED (☒) FINAL ()

4410'

REFERENCE DATUM: GR (☒) 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)

23. *G. S. Bumgarner, Jr.*
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)

JUL 28 1981

Form Approved
Budget Bureau No.

OIL CONSERVATION DIVISION

NM-84557 FE

5. SURFACE MANAGER: BLM (☒) FS ()
New Mexico State University

6. UNIT AGREEMENT NAME

7. WELL NO.
22-278. 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

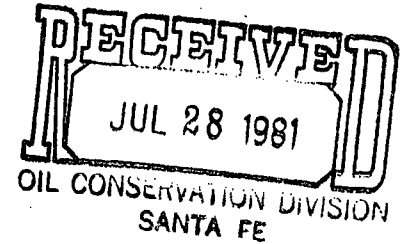
New Mexico

13. APPROX. STARTING DATE

Aug. 10, 1981

14. ACRES ASSIGNED (WELL SPACING)

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



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,

A handwritten signature in cursive script, appearing to read "G. S. Bumgarner, Jr.".

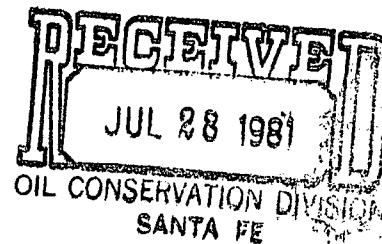
G.S. Bumgarner, Jr.
Geothermal Operations

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,

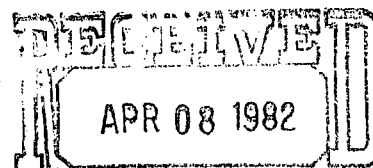
A handwritten signature in cursive script, appearing to read "G. S. Bumgarner, Jr.".

G.S. Bumgarner, Jr.
Geothermal Operations

GSB:jv
Enclosure

HUNT ENERGY CORPORATION

2500 FIRST NATIONAL BANK BUILDING
DALLAS, TEXAS 75202



OIL CONSERVATION DIVISION
SANTA FE

April 9, 1982

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

ATTENTION: CARL ULVÖG

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

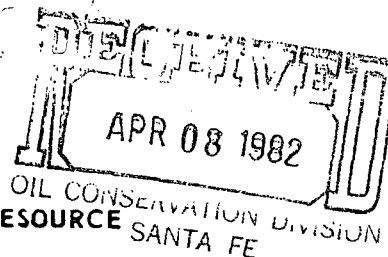
GSB:jv

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.

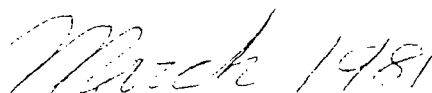
No unusual or hazardous drilling conditions were encountered.



(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

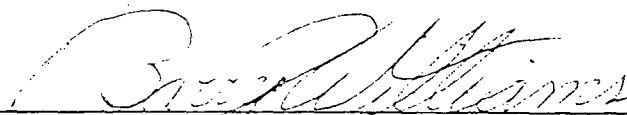
NOI #AGS-169-NM-20688

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

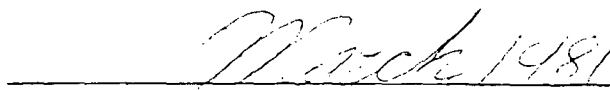
All holes drilled on the prospect were abandoned according to the stipulations of the U.S. Geological Survey and the Bureau of Land Management by: a) back-filling the hole with mud and cuttings; b) cutting off the tubing below ground level; c) placing a cement plug from 10' to 6" below ground level;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

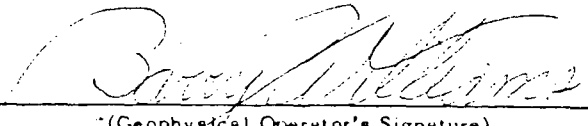
Pursuant to the Notice Number heretofore filed to conduct geothermal resource exploration operations,
this is to NOI #NM-036-GEO-0-5

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
--	---

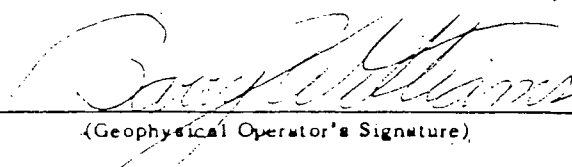
Pursuant to the Notice Number heretofore filed to conduct geothermal resource exploration operations,
this is to
NOI #NM-036-GEO-0-3

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.

1411

TOTAL DEPTH

500'