GTLT - ____9____

(12-26)-18N-2E
Sunoco Energy Development Corporation
(Sandoval County)

9-76-1A-G(PA); 9-76-2-E(PA); 9-76-4-M(PA); 9-76-3-I(PA); 9-76-5-I(PA) & 9-76-6-G(PA)

Form G-103
Adopted 10/1/74

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Operator	1	
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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 ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐
7. Unit Agreement Name: None
2. Name of Operator: Sunoco Energy Development Corporation
8. Farm or Lease Name: San Diego Grant
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
9. Well No.: 9-76-1A
4. Location of Well: Unit Letter G, 1950 Feet From The N. Line and 2450 Feet From The E. Line, Section 12 Township 18 N. Range 2 E. NMPM.
10. Field and Pool, or Wildcat: None
15. Elevation (Show whether DF, RT, GR, etc.): 6550' G.L.
12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG & ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Per verbal permission. ☐	

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977

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

SIGNED [signature] TITLE Vice President, Operations GeoThermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 12/12/77

CONDITIONS OF APPROVAL, IF ANY:

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

FEB - 3 1977
OIL CONSERVATION COMM.
Santa Fe

Form G-103
Adopted 10/1/74

SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease: State ☐ 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 ☐ Temp. Observation ☒ Low-Temp Thermal ☐ Injection/Disposal ☐
7. Unit Agreement Name: None
2. Name of Operator: Sunoco Energy Development Corporation
8. Farm or Lease Name: San Diego Grant
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
9. Well No.: 9-76-1a
4. Location of Well: Unit Letter G, 1950 Feet From The NORTH Line and 2450 Feet From The EAST Line, Section 12 Township 18N Range 2E NMPM.
10. Field and Pool, or Wildcat: None
15. Elevation (Show whether DF, RT, GR, etc.): 6550
12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG & ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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

On 1/22/77 Hole No. 9-76-1a was spudded at 8:00 (AM) PM

The hole was T.D.'d on 1/24/77 @ 41' BGL

OK - Inspected 12/12

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

SIGNED [signature] TITLE Chief Geologist Geothermal Services, Inc. DATE 1/28/77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/7

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NEW MEXICO OIL CONSERVATION COMMISSION
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JAN 24 1977
OIL CONSERVATION COMM.
Santa

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

5. Indicate Type of Lease: STATE ☒ FEE ☒
5a. State Lease No.:

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

7. Unit Agreement Name: none
8. Farm or Lease Name: San Diego Grant
9. Well No.: 9-76-1A
10. Field and Pool, or Wildcat: none

2. Name of Operator: Sunoco Energy Development Corporation
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
4. Location of Well** UNIT LETTER G LOCATED 1950 FEET FROM THE North LINE AND 2450 FEET FROM THE East LINE OF SEC. 12 TWP. 18 N RGE. 2 E. NMPM
12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6550 (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program - See attached "Standard Shallow Temperature Gradient Hole Drilling Program"
** - All section lines projected
It is requested that this hole be made an addition to the State of New Mexico $10,000 Multiple-Well Low-Temperature Well or Geothermal Observation Well Bond already in force. The bonding company is Federal Insurance Company and the bond No. is 8071-56-34.

Information is as follows: Lease - San Diego Grant
Well No. - 9-76-1A
Unit Letter - G
Section - 12
Township - T18N
Range - R2E

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 [signature] Title Chief Geologist Geothermal Services, Inc. Date January 18, 1977

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1/24/77

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

JAN 24 1977
CONSERVATION COMM.
Santa Fe

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-1A

Unit Letter	Section	Township	Range	County
G	12	18N	2E	Sandoval

Actual Footage Location of Well:
1950 feet from the projected N line and 2450 feet from the East line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6550	none	none	none Acres

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

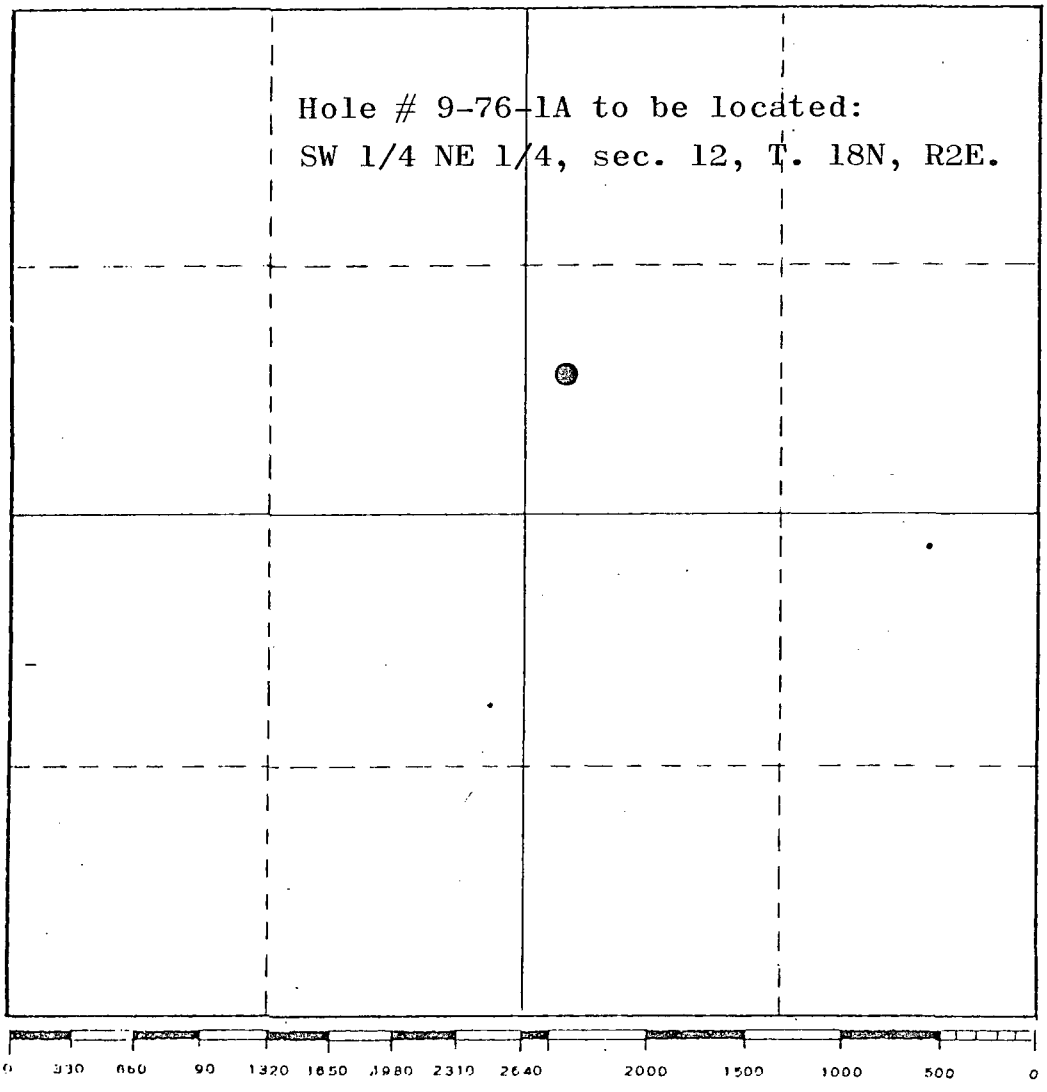
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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

Position
Chief Geologist

Company
Geothermal Services, Inc.

Date
January 18, 1977

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

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

    a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

    b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

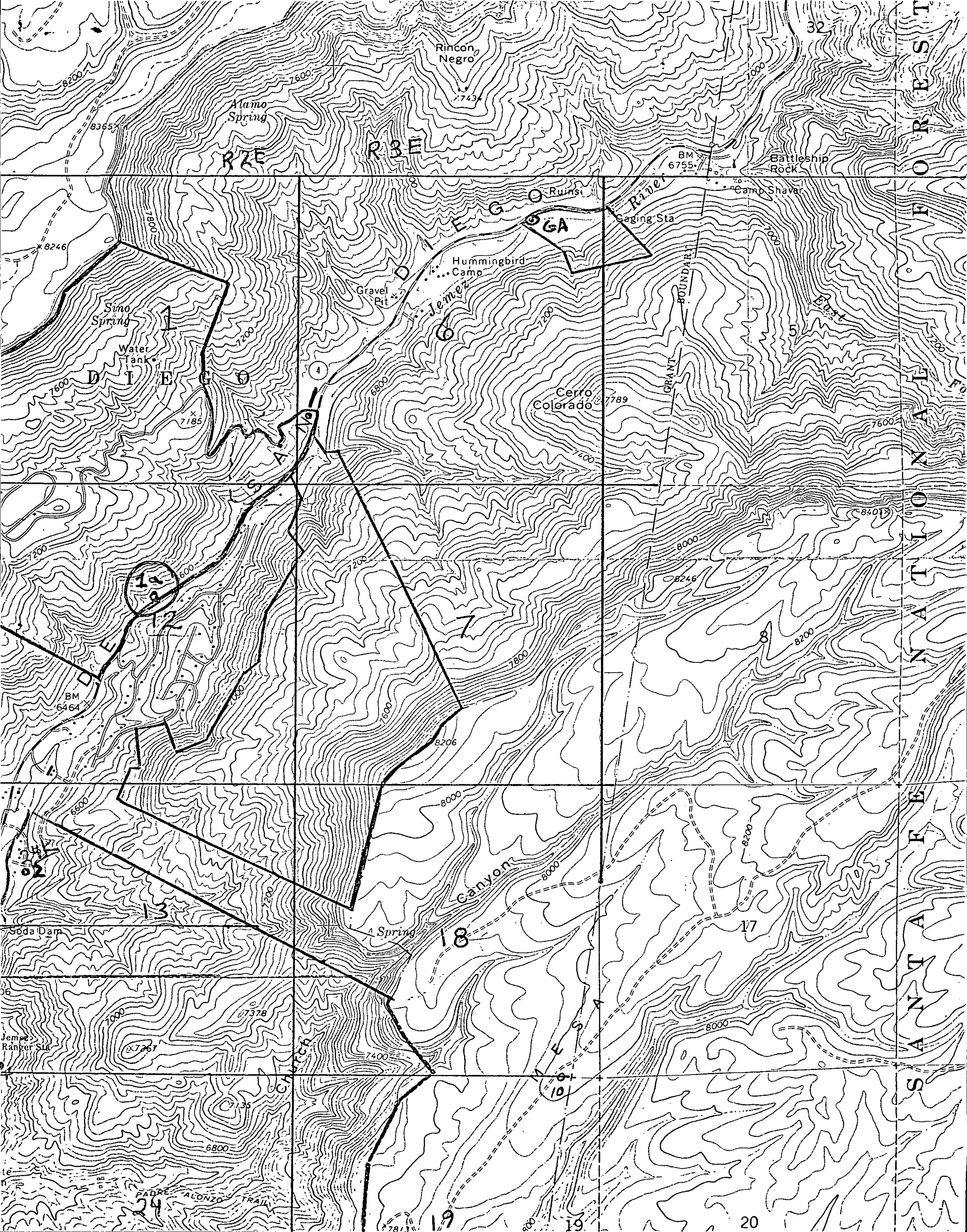
   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975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Alamo Spring
R2E
R3E
BM 6755
Battleship Rock
Camp Shaver
Ruins
Gaging Sta
GA
DIEGO
Hummingbird Camp
Gravel Pit
Jemez River
Sino Spring
Water Tank
D I E G O
Cerro Colorado
GRANT BOUNDARY
East Fork
BM 6464
Soda Dam
Spring
Canyon
Church
Jemez Ranger Sta
PADRE ALONZO TRAIL
MESA
SANTA FE NATIONAL FOREST
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7400
8401
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6600
7378
7267
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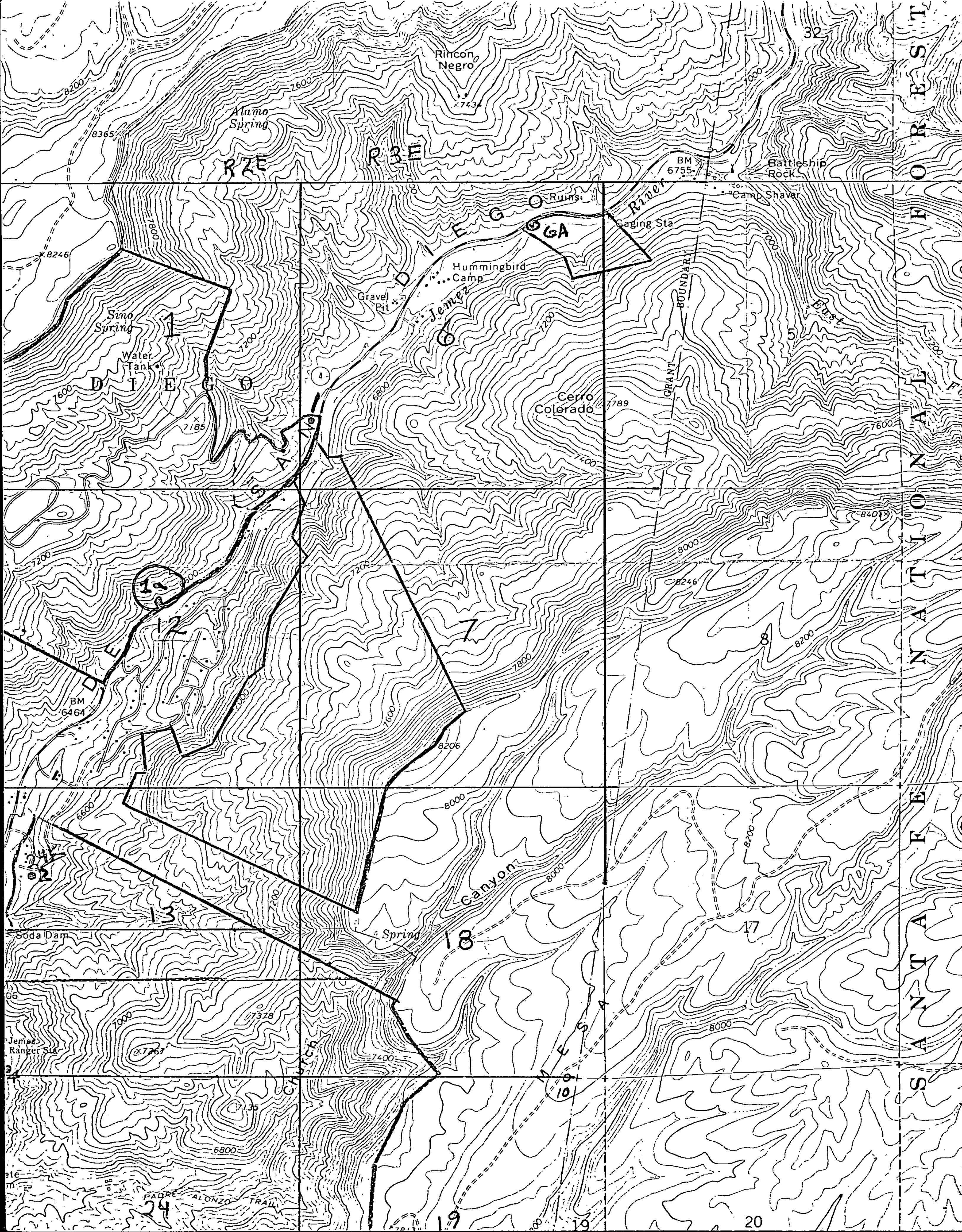
7813


Rincon Negro
Alamo Spring
R2E
R3E
BM 6755
Battleship Rock
Camp Shaver
Ruins
Gaging Sta
GA
Hummingbird Camp
Gravel Pit
Jemez River
Sino Spring
Water Tank
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8401
8246
7185
7378
7267
7135
Canyon
Spring
Soda Dam
Church
Jemez Ranger Sta
PADRE ALONZO TRAIL
MESA
SANTA FE NATIONAL FOREST

Form G-103
Adopted 10/1/74

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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 ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐
7. Unit Agreement Name: None
2. Name of Operator: Sunoco Energy Development Corporation
8. Farm or Lease Name: San Diego Grant
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
9. Well No.: 9-76-2
4. Location of Well: Unit Letter E, 1600 Feet From The N. Line and 600 Feet From The W. Line, Section 13 Township 18 N. Range 2 E. NMPM.
10. Field and Pool, or Wildcat: None
15. Elevation (Show whether DF, RT, GR, etc.): 6380' G.L.
12. County: Sandoval

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG & ABANDONMENT	☒
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER Per verbal permission.			☐

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977
OIL CONSERVATION COMM.
Santa Fe

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

SIGNED [signature] TITLE Vice President, Operations GeoThermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Wong TITLE SENIOR PETROLEUM GEOLOGIST DATE 12/12/77

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/74

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U.S.G.S.		
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Land Office		

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease: STATE ☐ FEE ☒

5.a State Lease No.:

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-2

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER E LOCATED 1600 FEET FROM THE North LINE AND 600 FEET FROM THE West LINE OF SEC. 13 TWP. 18 N. RGE. 2 E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6380 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

Quad 29

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OIL CONSERVATION COMM
Santa Fe

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-2

Unit Letter	Section	Township	Range	County
E	13	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
1600 feet from the projected N. line and 600 feet from the W. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6380 ft.	none	none	none Acres

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

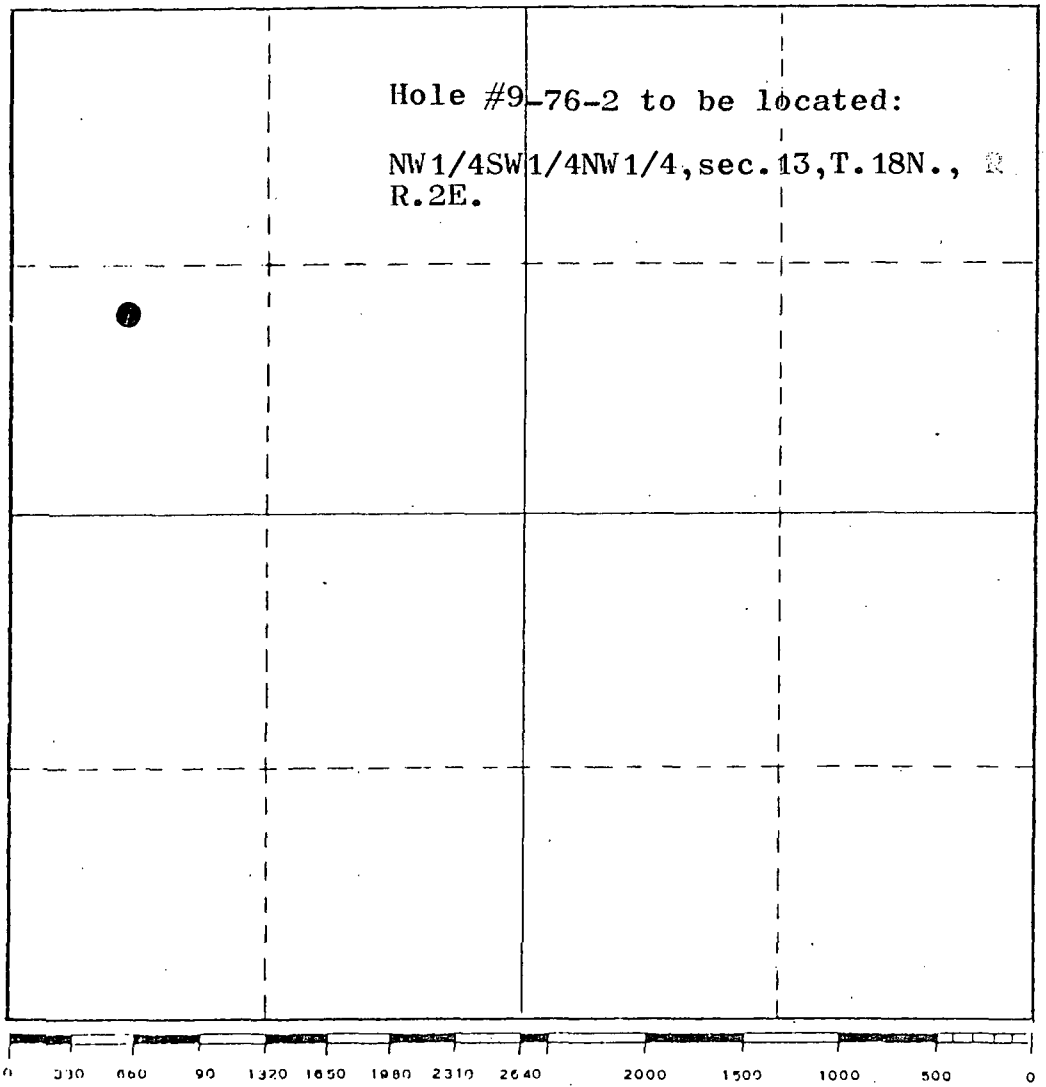
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

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JUL 26 1976
OIL CONSERVATION COMM.
Santa Fe

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Form G-101
Adopted 10/1/

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U.S.G.S.		
Operator		
Land Office		

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease: STATE ☐ FEE ☒

5.a State Lease No.:

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-2

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER E LOCATED 1600 FEET FROM THE North LINE AND 600 FEET FROM THE West LINE OF SEC. 13 TWP. 18 N. RGE. 2 E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6380 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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Santa Fe

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

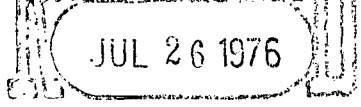
4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.



7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-2

Unit Letter	Section	Township	Range	County
E	13	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
1600 feet from the projected N. line and 600 feet from the W. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6380 ft.	none	none	none Acres

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

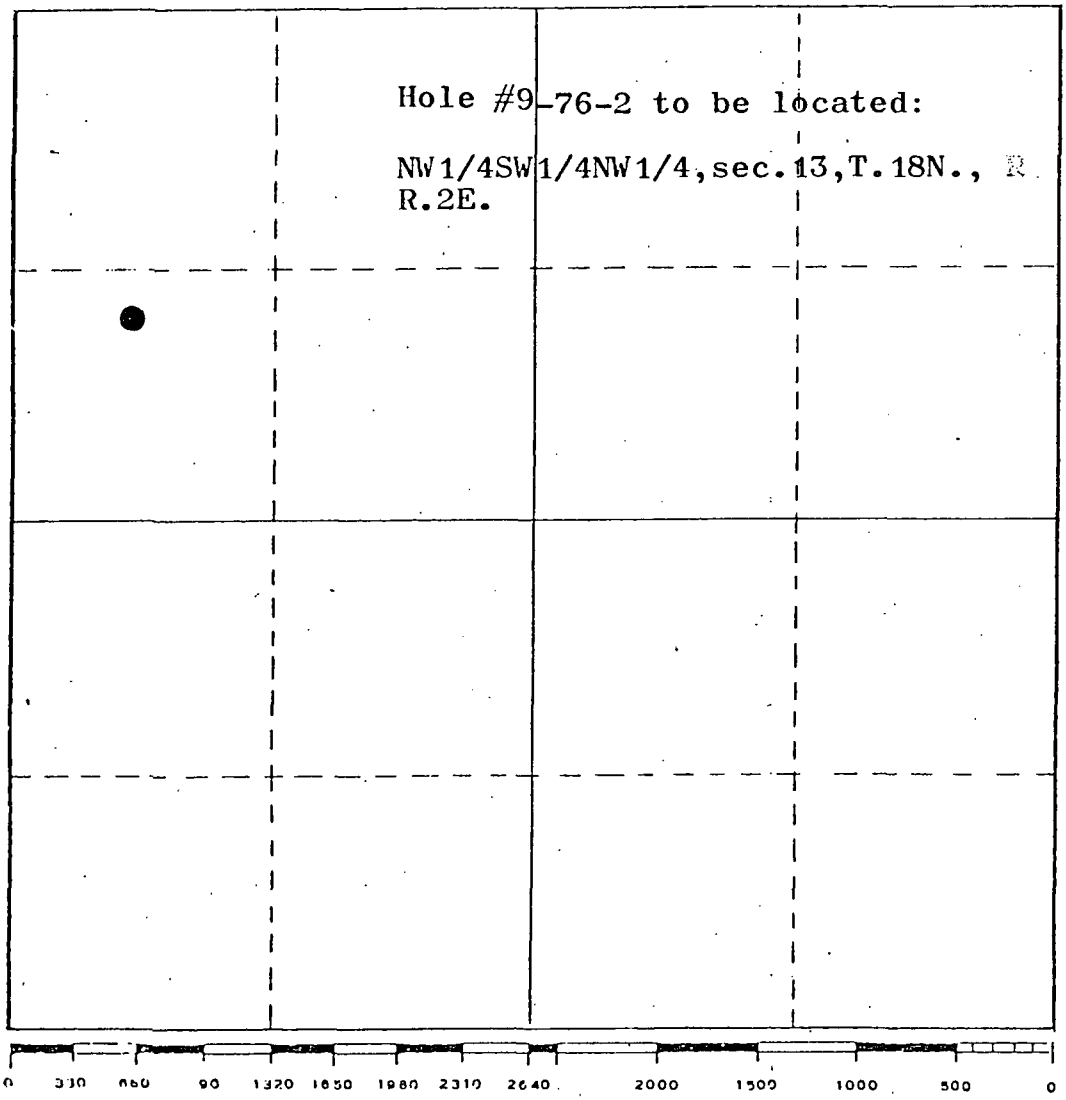
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

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Santa Fe

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

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

Form G-103
Adopted 10/1/7

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OIL CONSERVATION DIVISION

SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State ☐ 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 ☐ Temp. Observation ☒ Low-Temp Thermal ☐ Injection/Disposal ☐
7. Unit Agreement Name: None
2. Name of Operator: Sunoco Energy Development Corporation
8. Farm or Lease Name: San Diego Grant
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
9. Well No.: 9-76-4
4. Location of Well: Unit Letter M, 100 Feet From The SOUTH Line and 200 Feet From The WEST Line, Section 13 Township 18 N Range 2E NMPM.
10. Field and Pool, or Wildcat: None
15. Elevation (Show whether DF, RT, GR, etc.): 6320'
12. County: Sandoval

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☒	PLUG & ABANDONMENT	
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER			

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

On 1/19/77 Hole No. 9-76-4 was spudded at 8:00 AM PM

The hole was T.D.'d on 1/21/77 @ 33' BGL

OK- Inspected 12/12

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

SIGNED [signature] TITLE Chief Geologist Geothermal Services, Inc. DATE 1/28/77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form G-103
Adopted 10/1/74

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Operator	1	
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 ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-4

4. Location of Well: Unit Letter M, 100 Feet From The S. Line and 200 Feet From The W. Line, Section 13 Township 18 N. Range 2 E. NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (Show whether DF, RT, GR, etc.): 6310' G.L.

12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG & ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Per verbal permission. ☐	

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977
OIL CONSERVATION COMM.
Santa Fe

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

SIGNED [signature] TITLE Vice President, Operations GeoThermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Ulvog TITLE ---------- DATE 12/12/77

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/74

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

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

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

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

7. Unit Agreement Name: none
8. Farm or Lease Name: San Diego Grant
9. Well No.: 9-76-4
10. Field and Pool, or Wildcat: none

2. Name of Operator: Sunoco Energy Development Corporation
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
4. Location of Well ** UNIT LETTER M LOCATED 100 FEET FROM THE South LINE AND 200 FEET FROM THE West LINE OF SEC. 13 TWP. 18 N. RGE. 2 E. NMPM
12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6310 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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Quad 29

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-4

Unit Letter	Section	Township	Range	County
M	13	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
100 feet from the projected S. line and 200 feet from the W. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6310 ft.	none	none	none Acres

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

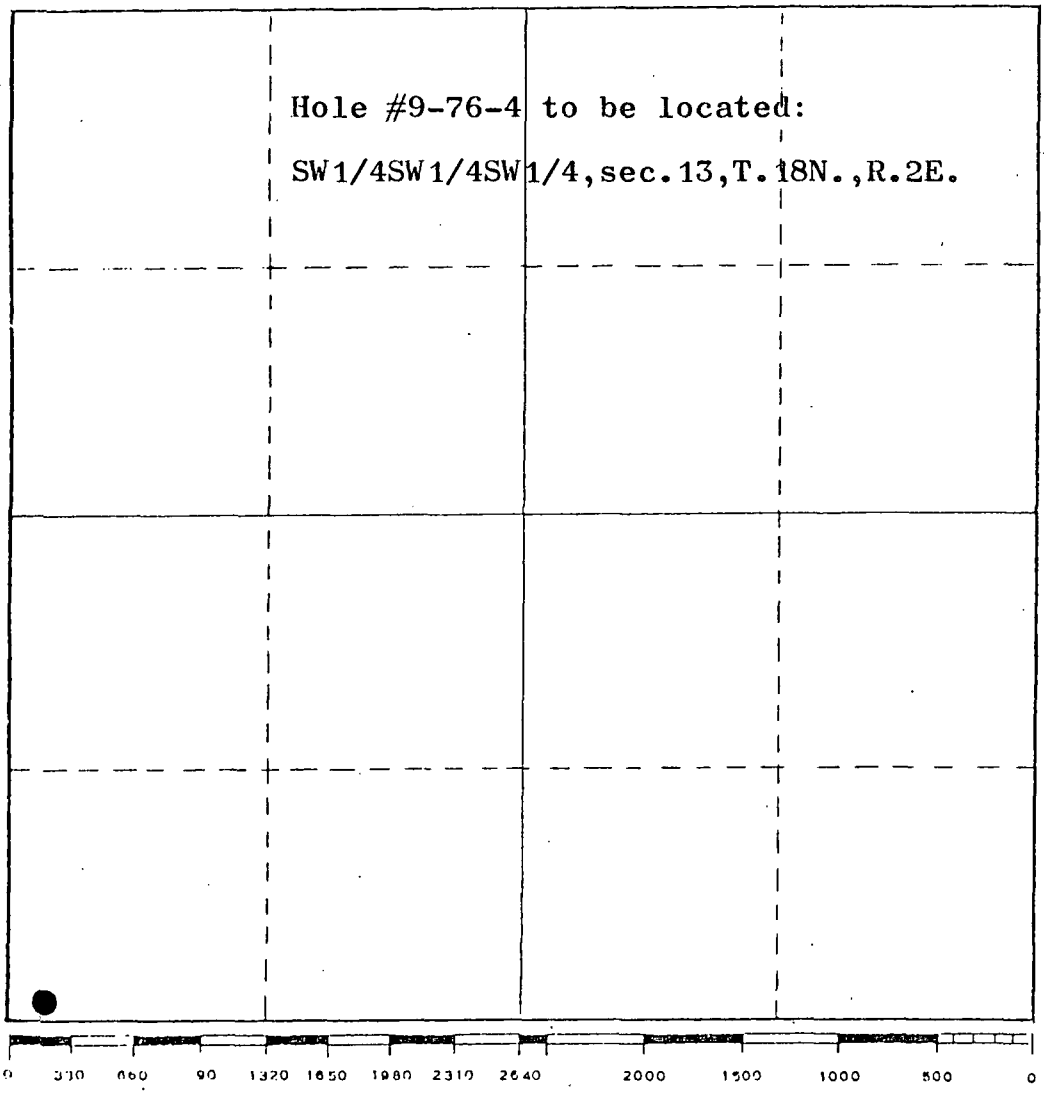
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

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Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Form G-101
Adopted 10/1

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NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease: STATE ☐ FEE ☒

5.a State Lease No.:

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-4

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER M LOCATED 100 FEET FROM THE South LINE AND 200 FEET FROM THE West LINE OF SEC. 13 TWP. 18 N. RGE. 2 E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6310 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Weinig TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

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GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/7

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-4

Unit Letter	Section	Township	Range	County
M	13	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
100 feet from the projected S. line and 200 feet from the W. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6310 ft.	none	none	none 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 ownersip is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

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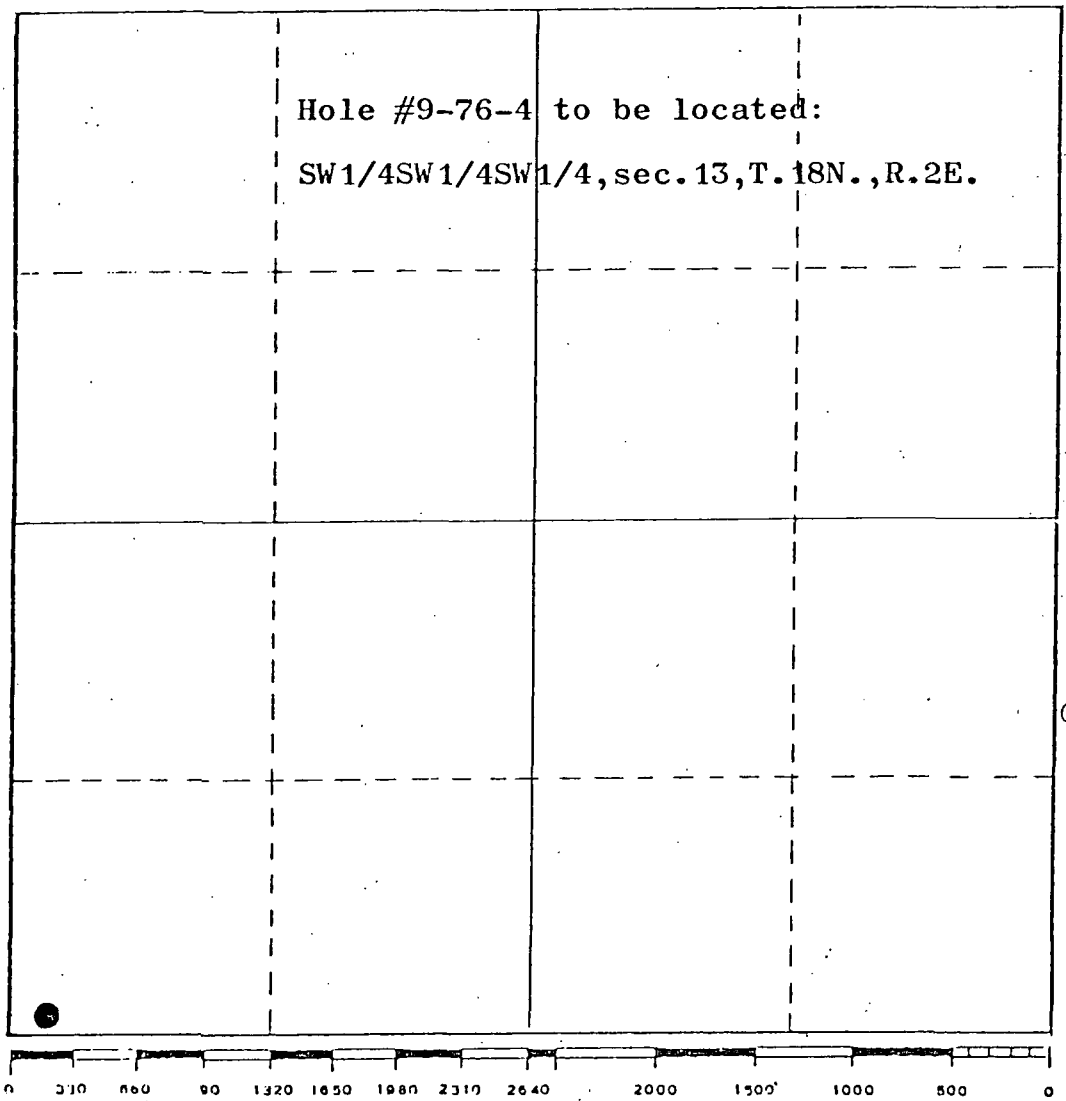

CERTIFICATION

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

Name: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

JUL 26 1976
OIL CONSERVATION COMM
Santa Fe

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Form G-103
Adopted 10/1/74

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SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-3

4. Location of Well: Unit Letter I, 1500 Feet From The S. Line and 350 Feet From The E. Line, Section 14 Township 18 N. Range 2 E. NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (*Show whether DF, RT, GR, etc.*): 6320' G.L.

12. County: Sandoval

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG & ABANDONMENT	☒
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER Per verbal permission.			☐

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977
OIL CONSERVATION COMM.
Sant...

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

SIGNED [signature] TITLE Vice President, Operations GeoThermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 12/12/77

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

Form G-103
Adopted 10/1/74

FEB -3 1977
OIL CONSERVATION COMM.

SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease: State ☐ 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 ☐ Temp. Observation ☒ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-3

4. Location of Well: Unit Letter I, 1500 Feet From The SOUTH Line and 350 Feet From The EAST Line, Section 14 Township 18 N Range 2E NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (Show whether DF, RT, GR, etc.): 6320'

12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG & ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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

On 1/20/77 Hole No. 9-76-3 was spudded at 8:00 (AM) PM

The hole was T.D.'d on 1/22/77 @ 100' BGL

OK - Inspected 1/2/12

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

SIGNED [signature] TITLE Chief Geologist Geothermal Services, Inc. DATE 1/28/77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/74

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Operator	1	
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NEW MEXICO OIL CONSERVATION COMMISSION
P. O. Box 2088, Santa Fe 87501

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

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

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-3

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER I LOCATED 1500 FEET FROM THE South LINE AND 350 FEET FROM THE East LINE OF SEC. 14 TWP. 18 N. RGE. 2E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6320 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

Quad 29

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Santa Fe

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

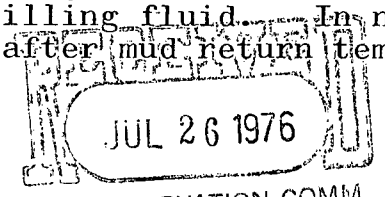
4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.



7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-3

Unit Letter	Section	Township	Range	County
I	14	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
1500 feet from the projected S. line and 350 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6320 ft.	none	none	none Acres

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

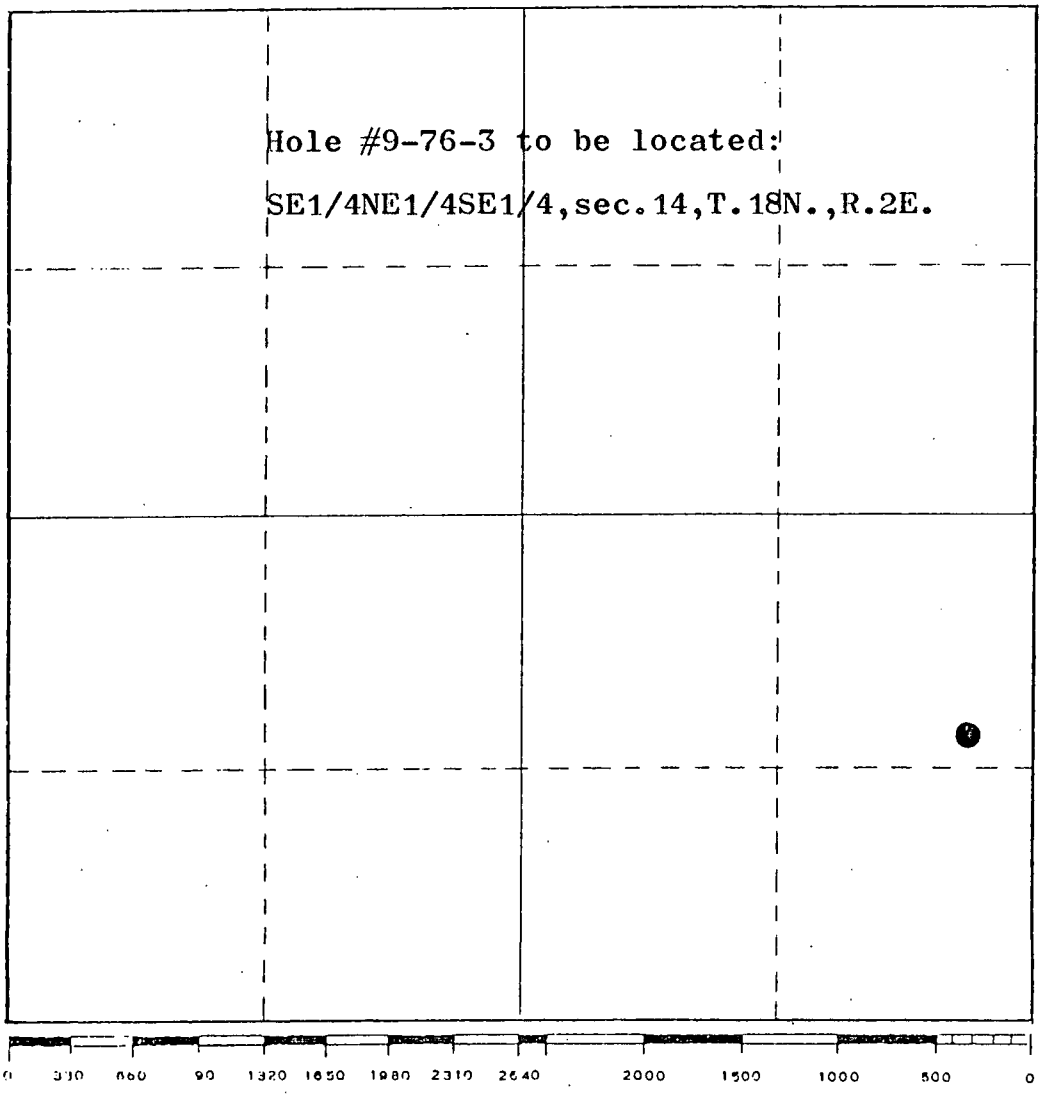
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

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Santa Fe

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Form G-101
Adopted 10/1

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NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease: STATE ☐ FEE ☒

5.a State Lease No.:

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-3

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER I LOCATED 1500 FEET FROM THE South LINE AND 350 FEET FROM THE East LINE OF SEC. 14 TWP. 18 N. RGE. 2E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6320 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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Santa Fe

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Kuog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-3

Unit Letter	Section	Township	Range	County
I	14	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
1500 feet from the projected S. line and 350 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6320 ft.	none	none	none Acres

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

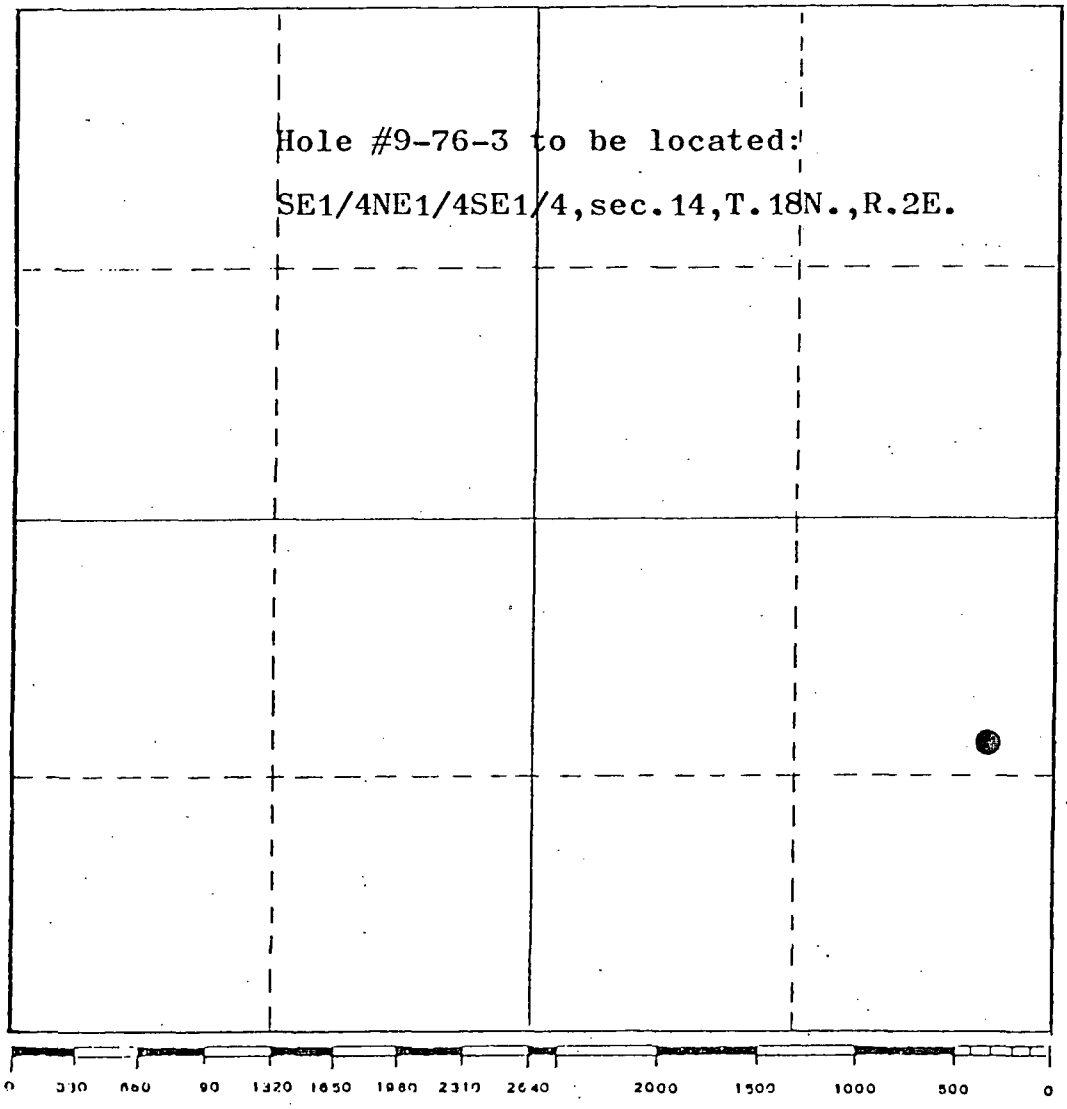
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc

Date: July 21, 1976

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.

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Santa Fe

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Form G-103
Adopted 10/1/74

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Operator	1	
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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 ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐
7. Unit Agreement Name: None
2. Name of Operator: Sunoco Energy Development Corporation
8. Farm or Lease Name: San Diego Grant
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
9. Well No.: 9-76-5
4. Location of Well: Unit Letter I, 2150 Feet From The S. Line and 250 Feet From The E. Line, Section 23 Township 18 N. Range 2 E. NMPM.
10. Field and Pool, or Wildcat: None
15. Elevation (*Show whether DF, RT, GR, etc.*): 6280' G.L.
12. County: Sandoval

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG & ABANDONMENT	☒
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER Per verbal permission.	☐		

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977
OIL CONSERVATION COMM.
Santa Fe

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

SIGNED [signature] TITLE Vice President, Operations GeoThermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 12/12/77

CONDITIONS OF APPROVAL, IF ANY:

Form G-103
Adopted 10/1/

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JAN 17 1977

OIL CONSERVATION COM.
SANTA FE

SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State ☐ 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 ☐ Temp. Observation ☒ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-5

4. Location of Well
Unit Letter I, 2150 Feet From The S Line and 250 Feet From The E Line, Section 23 Township 18N. Range 2E. NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (Show whether DF, RT, GR, etc.): 6280' G.L.

12. County: Sandoval

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☒	PLUG & ABANDONMENT	
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER			

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

On 1/3/77 Hole No. 9-76-__ was spudded at 9:00 (AM) PM

The hole was T.D.'d on 1/13/77 @ 95 ' BGL

OK Inspected

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

SIGNED [signature] TITLE Chief Geologist Geothermal Services, Inc. DATE 1/13/77

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1/18/77

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/74

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Operator	1	
Land Office		

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

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

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

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

7. Unit Agreement Name: none
8. Farm or Lease Name: San Diego Grant
9. Well No.: 9-76-5
10. Field and Pool, or Wildcat: none

2. Name of Operator: Sunoco Energy Development Corporation
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
4. Location of Well ** UNIT LETTER I LOCATED 2150 FEET FROM THE South LINE AND 250 FEET FROM THE EAST LINE OF SEC. 23 TWP. 18 N. RGE. 2E. NMPM
12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6280 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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OIL CONSERVATION COMM
Santa Fe

Quad 29

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Mroz TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-5

Unit Letter	Section	Township	Range	County
I	23	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
2150 feet from the projected S. line and 250 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6280 ft.	none	none	none 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 ownersip 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.

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OIL CONSERVATION COM.
Santa Fe

Hole #9-76-5 to be located:

NE1/4NE1/4SE1/4,sec.23,T.18N.,R.2E.

0 330 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0

CERTIFICATION

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

Name: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

Form G-101
Adopted 10/1/

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NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease: STATE ☐ FEE ☒

5.a State Lease No.:

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-5

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER I LOCATED 2150 FEET FROM THE South LINE AND 250 FEET FROM THE EAST LINE OF SEC. 23 TWP. 18 N. RGE. 2E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6280 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/7

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-5

Unit Letter	Section	Township	Range	County
I	23	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
2150 feet from the projected S. line and 250 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6280 ft.	none	none	none 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 ownersip 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.

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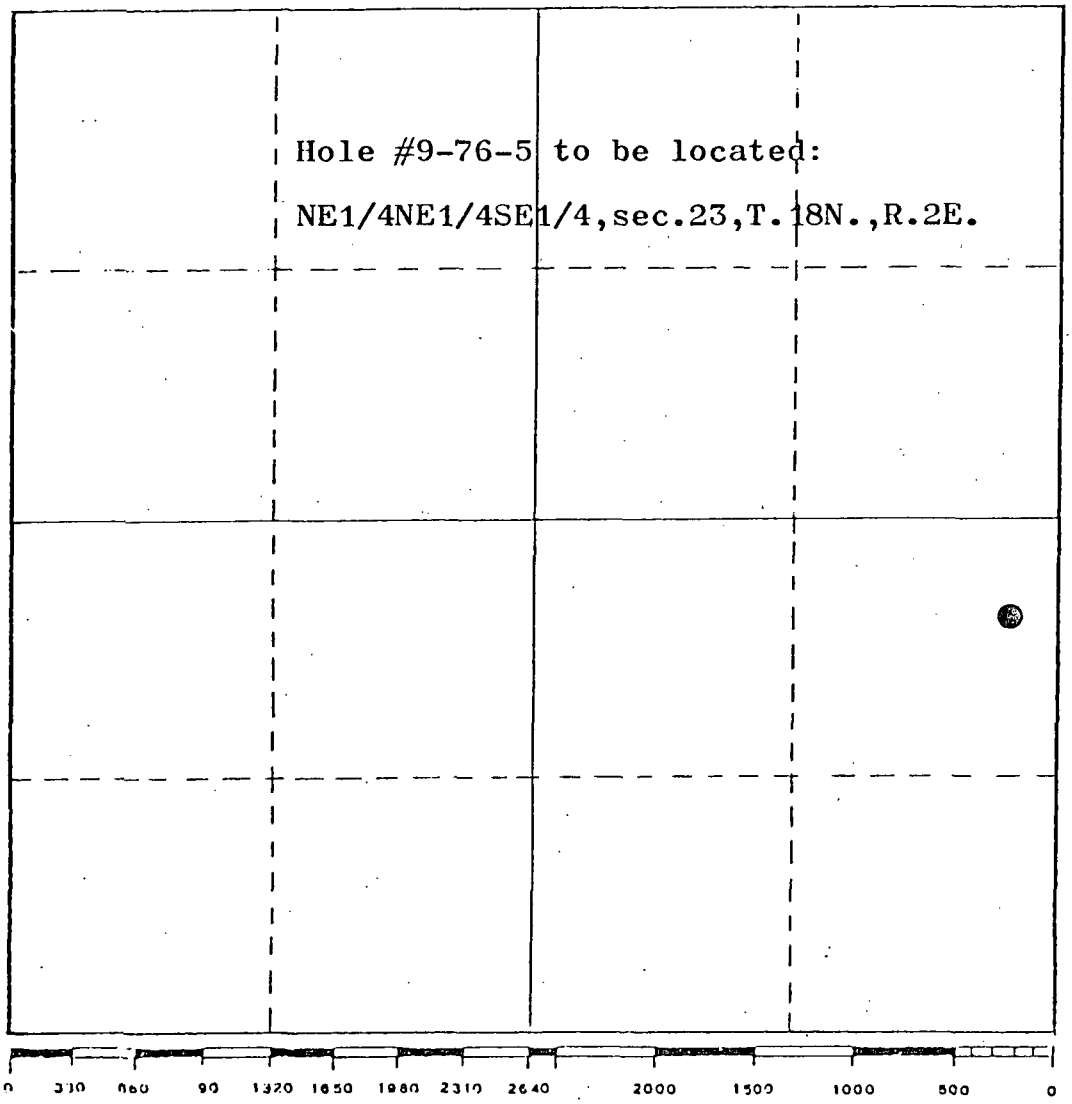

CERTIFICATION

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

Name: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

Form G-103
Adopted 10/1/74

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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 ☐ 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 ☐ Temp. Observation ☐ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-6

4. Location of Well
Unit Letter G, 2350 Feet From The N. Line and 2475 Feet From The E. Line, Section 26 Township 18 N. Range 2 E. NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (*Show whether DF, RT, GR, etc.*): 6180' G.L.

12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG & ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Per verbal permission. ☐	

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

Hole was abandoned by: a) cutting off 3/4" iron pipe 6" below ground level; b) filling top 10' of pipe with cement; c) covering the pipe with dirt; d) clearing site of all trash and debris and e) restoring site as nearly as practical to original condition. Abandonment operations commenced on 9/24/77 and were completed on 9/24/77.

This conforms with abandonment method prescribed by U.S. Geological Survey's Revised Special Stipulations for Shallow Temperature Gradient Holes.

OCT 31 1977

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

SIGNED [signature] TITLE Vice President, Operations Geothermal Services, Inc. DATE 10/24/77

APPROVED BY Carl Mrog TITLE SENIOR PETROLEUM GEOLOGIST DATE 12/12/77

CONDITIONS OF APPROVAL, IF ANY:

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P. O. Box 2088, Santa Fe 87501

Form G-103
Adopted 10/1/74

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Santa Fe

SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease State ☐ 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 ☐ Temp. Observation ☒ Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name: None

2. Name of Operator: Sunoco Energy Development Corporation

8. Farm or Lease Name: San Diego Grant

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

9. Well No.: 9-76-6

4. Location of Well: Unit Letter G 2350 Feet From The North Line and 2475 Feet From The East Line, Section 26 Township 18 N. Range 2 E. NMPM.

10. Field and Pool, or Wildcat: None

15. Elevation (*Show whether DF, RT, GR, etc.*): 6180 ft. (GL)

12. County: Sandoval

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG & ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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

On 12/19/76 Hole No. 9-76-6 was spudded at noon.

The hole was T.D.'d on 12/22 @ 340' BGL

OK - Inspected

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

SIGNED [signature] TITLE Chief Geologist, Geothermal Services, Inc. DATE 12/28/76

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1/3/77

CONDITIONS OF APPROVAL, IF ANY:

Form G-101
Adopted 10/1/74

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

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

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

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐
b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐
7. Unit Agreement Name: none
8. Farm or Lease Name: San Diego Grant
2. Name of Operator: Sunoco Energy Development Corporation
9. Well No.: 9-76-6
3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251
10. Field and Pool, or Wildcat: none
4. Location of Well ** UNIT LETTER G LOCATED 2350 FEET FROM THE North LINE AND 2475 FEET FROM THE East LINE OF SEC. 26 TWP. 18 N. RGE. 2 E. NMPM
12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6180 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

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OIL CONSERVATION COM.
Santa Fe

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

Quad 29

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at directions of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

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   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

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   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-6

Unit Letter	Section	Township	Range	County
G	26	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
2350 feet from the projected N. line and 2475 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6180 ft.	none	none	none 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 ownersip is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

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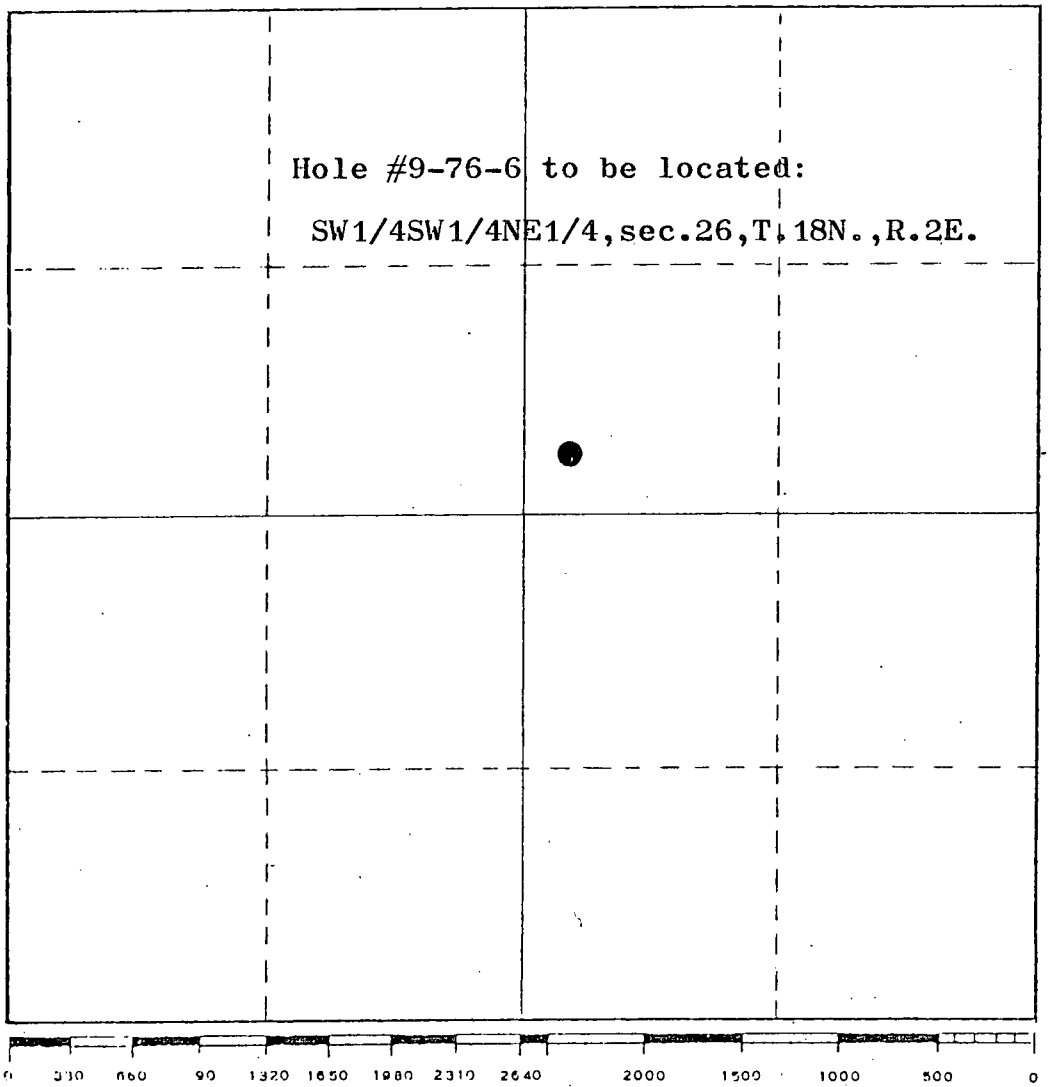
JUL 26 1976
OIL CONSERVATION COM.
Santa Fe



CERTIFICATION

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

Name: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.

Form G-101
Adopted 10/1

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Land Office		

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

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

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

1a. Type of Work: Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well: Geothermal Producer ☐ Low-Temp Thermal ☐ Temp Observation ☒ Injection/Disposal ☐

7. Unit Agreement Name: none

8. Farm or Lease Name: San Diego Grant

2. Name of Operator: Sunoco Energy Development Corporation

9. Well No.: 9-76-6

3. Address of Operator: 12700 Park Central Pl., Suite 1500, Dallas, TX 75251

10. Field and Pool, or Wildcat: none

4. Location of Well ** UNIT LETTER G LOCATED 2350 FEET FROM THE North LINE AND 2475 FEET FROM THE East LINE OF SEC. 26 TWP. 18 N. RGE. 2 E. NMPM

12. County: Sandoval

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
500 ft.	unknown	rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
6180 ft. (GL)	see note "A"	Geothermal Services	Oct. 1, 1976

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
5-1/8"	3/4"	1.14 lbs.	500'	1.5	6" BGL

Program- See attached "Standard Shallow Temperature Gradient Hole Drilling Program"

**- All section lines projected

Note A- Type of bond will be $10,000 multiple-well low-temperature well or geothermal observation well bond. The bond is in the process of being filed, and a bond number will be furnished as soon as available before operations commence.

RECEIVED
JUL 28 1976
OIL CONSERVATION COMM.

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 [signature] Title Chief Geologist, Geothermal Services, Inc. Date July 21, 1976

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 9/9/76

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL SERVICES, INC.
7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM
(500'/150m; Rubber Tired Equipment; Rotary/Mud)

1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.

2. Choose location and orientation of drilling rig so as to minimize surface disturbance.

3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.

4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.

5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.

6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.

   a. If temperature reaches 120°F/50°C, STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.

   b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).

   a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).

   b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.

   c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.

   d. When pipe is landed, top must be 6" to 12"/ 15cm to 30cm below ground level. (Cut and thread as necessary).

   e. Fill pipe with CLEAN WATER (water that is oily or contains solvents such as gasoline MUST NOT be used) and install cap. Do not seal.

   f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.

8. Clean up location THOROUGHLY.

9. Any excavated pits or sumps must be backfilled to conform to the original topography.

10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.

GEOTHERMAL SERVICES, INC.
San Diego, California
December, 1975

NEW MEXICO OIL CONSERVATION COMMISSION
P. O. BOX 2088 SANTA FE 87501

Form G-102
Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator	Lease	Well No.
Sunoco Energy Development Corp.	San Diego Grant	9-76-6

Unit Letter	Section	Township	Range	County
G	26	18 N.	2 E.	Sandoval

Actual Footage Location of Well:
2350 feet from the projected N. line and 2475 feet from the E. line (projected)

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6180 ft.	none	none	none Acres

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

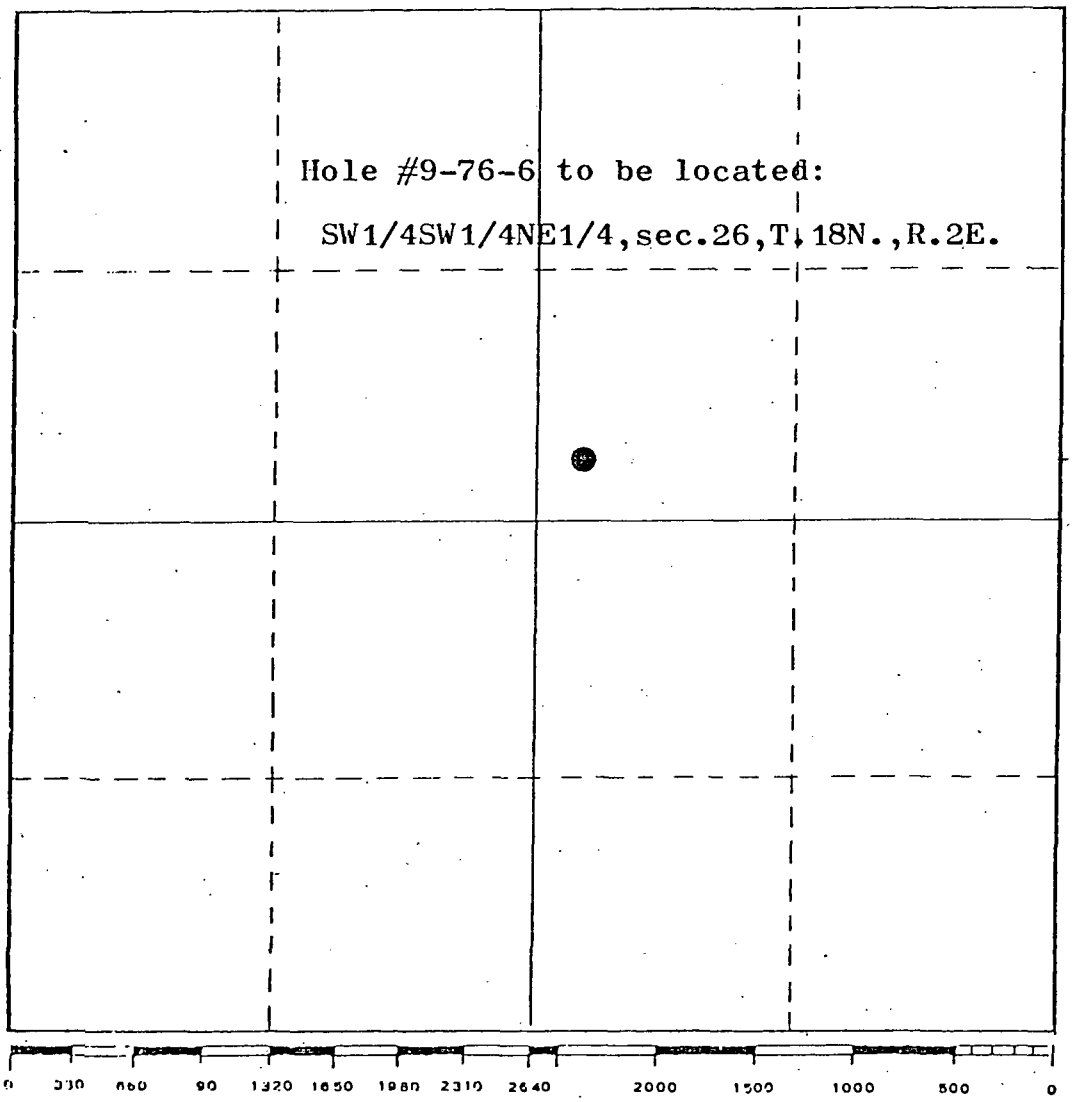
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownersip 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: Steve Quiett

Position: Chief Geologist

Company: Geothermal Services, Inc.

Date: July 21, 1976

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.