

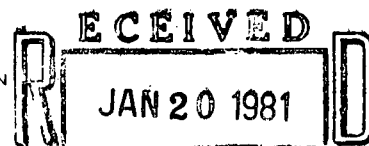
GTLT - _____12_____

**Occidental Geothermal, Inc.
27-20S-11W
Grant County**

Well No. 1-I

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

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



Form G-103
Adopted 10/1/74

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

OIL CONSERVATION DIVISION

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 <input type="checkbox"/> Temp. Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator OCCIDENTAL GEOTHERMAL, INC.	8. Farm or Lease Name Cerro Mesa Ranch
3. Address of Operator 5000 Stockdale Highway, Bakersfield, California 93309	9. Well No. 1
4. Location of Well Unit Letter I, 1,690 Feet From The South Line and 790 Feet From The east Line, Section 27 Township 20S Range 11W NMPM.	10. Field and Pool, or Wildcat Faywood
15. Elevation (Show whether DF, RT, GR, etc.) 5,030 ft. ground	12. County Grant

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

Completed Operations:

Well plugged and abandoned on 12/17/80 by cutting off pipe approximately 18 inches below ground level and subsequently filling the pipe with 10 feet of cement to top of pipe.

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

SIGNED Long E. Jew TITLE Geologist DATE January 13, 1981

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1-22-81

CONDITIONS OF APPROVAL, IF ANY:

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

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

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

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

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

7. Unit Agreement Name
8. Farm or Lease Name
Cerro Mesa Ranch
9. Well No.

2. Name of Operator
Occidental Geothermal, Inc. 805-395-8000

3. Address of Operator
5000 Stockdale Highway, Bakersfield, California 93309

10. Field and Pool, or Wildcat
Faywood

4. Location of Well UNIT LETTER 1 LOCATED 1,690 FEET FROM THE South LINE
AND 790 FEET FROM THE East LINE OF SEC. 27 TWP. 20 S RGE. 11 W NMPM

12. County
Grant

19. Proposed Depth	500'	19A. Formation	20. Rotary or C.T.
			Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
5,030 Ground	\$10,000 Multi Well	Kachina Drilling, Inc.	August 28, 1979

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6"±	1½" line pipe	--	500'	two	2' from surface

1. Drill 6"± hole to 500' using air if possible and mud if necessary.
2. Run 1½" bull plugged line pipe to within 5'± of bottom. If the hole is drilled with air, fill the annulus with mud.
3. Cement the 1½" x 6" annulus from 10'+ below ground level to within 2' of the surface.
4. Fill the 1½" pipe with water and install well head cap. **Quad 99**
5. Clean up the location.
6. Run temperature logs ten days or more after drilling. **± 24 mi NW of Deming**
7. Abandon the hole by placing cement from 10'+ below ground level to within 2' of the surface. Cut off the pipe below ground level. Hole abandoned. **± 16 mi SE of Hurley**

P4A
12/17/80 (d witnessed - CU)

APPROVED FOR 90 DAYS
PERMIT EXPIRES 11-26-79
UNLESS DRILLING UNDERWAY

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.

Signature: B. J. Wyant Title: Petroleum Engineer Date: August 23, 1979
(This space for State Use)

APPROVED BY: Cork Ullery TITLE: SENIOR PETROLEUM GEOLOGIST DATE: 8/28/79
CONDITIONS OF APPROVAL, IF ANY: Occi advised to send comp. G-103



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

July 21, 1980

Occidental Geothermal, Inc.
5000 Stockdale Highway
Bakersfield, California 93309

File #1

Attention: Mr. B. J. Wyant

Subject: Temperature Observation Wells,
Luna and Grant Counties,
New Mexico, all Cerro Mesa Ranch
Lease, #1 - Section 27, Township
20 South, Range 11 West;
#2 - Section 30, Township 20 South,
Range 10 West; #3 Section 1,
Township 21 South, Range 11 West;
#4 Section 7, Township 20 South,
Range 10 West.

Dear Sir:

This agency's files contain only the Forms C-101 and C-102 pertaining to the above referenced wells. We are aware that the wells drilled in latter 1979, however there are no reports here to suggest that fact, nor indications (other than telephone conversations) that you have completed your bore-hole studies.

In conversations with your well-site representative, I advised of the need for this agency to be notified of plugging for abandonment. To date no such notice has been received. As you know, our regulations do not put a time limit on the duration of temperature measurements, but do specify the maximum time for which a well may be abandoned without plugging. (See Rules 301, 302 and 303).

If you have need of the subject wells for further logging or other purposes but are not now utilizing them, I suggest you apply for temporary abandonment permits in accordance with the rules.

Very truly yours,

Carl Ulvog

CARL ULVOG
Geothermal Supervisor

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. Box 2088, Santa Fe 87501

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

5. Indicate Type of Lease

STATE ☐ FEE ☒

5.a State Lease No.

--

7. Unit Agreement Name

--

8. Farm or Lease Name

Cerro Mesa Ranch

9. Well No.

1

10. Field and Pool, or Wildcat

Faywood

12. County
Grant

19. Proposed Depth

500'

19A. Formation

20. Rotary or C.T.

Rotary

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

5,030 Ground

21A. Kind & Status Plug. Bond

\$10,000 Multi Well

21B. Drilling Contractor

Kachina Drilling, Inc.

22. Approx. Date Work will start

August 28, 1979

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
6"+	1½" line pipe	--	500'	two	2' from surface

1. Drill 6"+ hole to 500' using air if possible and mud if necessary.
2. Run 1½" bull plugged line pipe to within 5'+ of bottom. If the hole is drilled with air, fill the annulus with mud.
3. Cement the 1½" x 6" annulus from 10'+ below ground level to within 2' of the surface.
4. Fill the 1½" pipe with water and install well head cap.
5. Clean up the location.
6. Run temperature logs ten days or more after drilling.
7. Abandon the hole by placing cement from 10'+ below ground level to within 2' of the surface. Cut off the pipe below ground level. Hole abandoned.

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 11-26-79
UNLESS DRILLING UNDERWAY

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 B. J. Ryan Title Petroleum Engineer Date August 23, 1979

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 8/28/79

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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

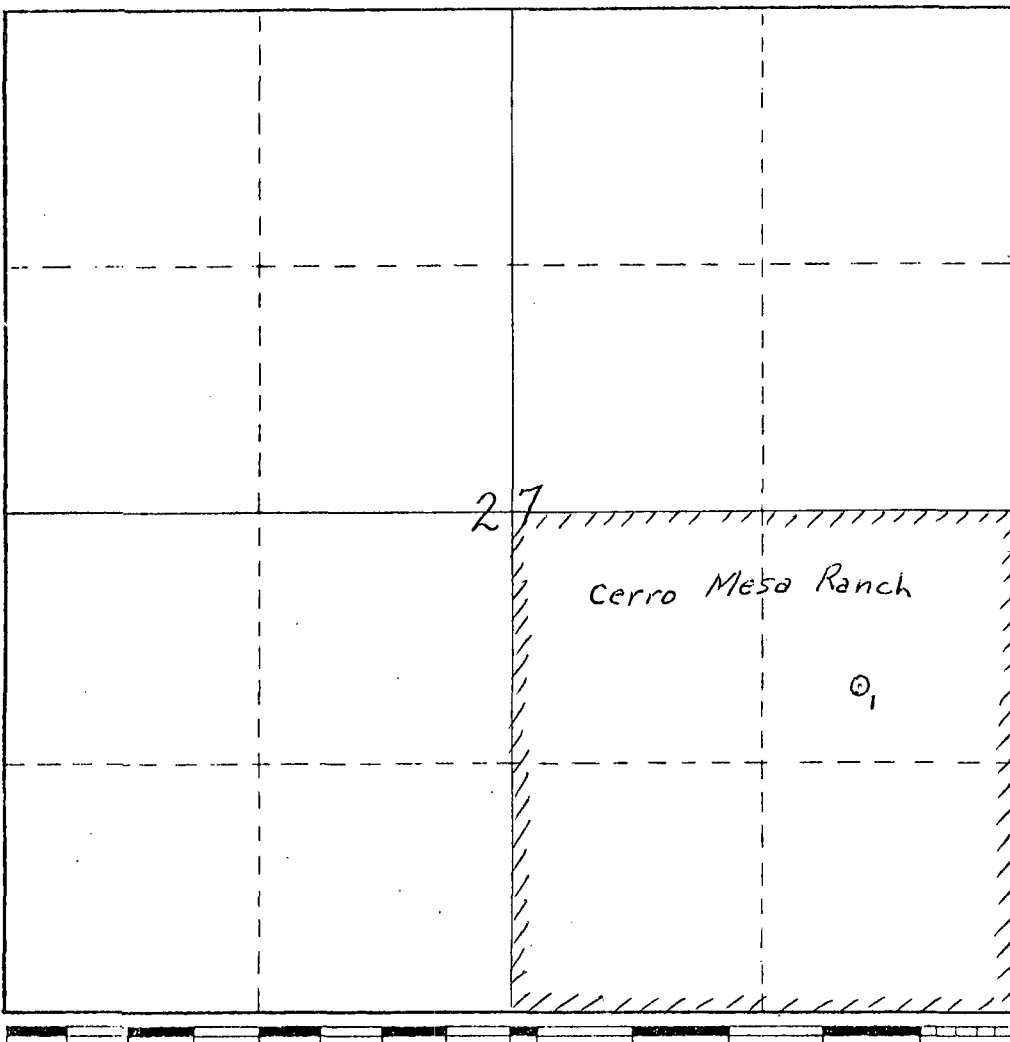
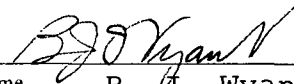
Operator Occidental Geothermal, Inc.		Lease Cerro Mesa Ranch		Well No. 1
Unit Letter I	Section 27	Township 20 South	Range 11 West	County Grant
Actual Footage Location of Well: 1,690 feet from the south line and 790 feet from the east line				
Ground Level Elev. 5,030	Producing Formation	Pool Faywood	Dedicated Acreage: 160 Acres	

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

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

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

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

	<p style="text-align: center;">CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p> Name B. J. Wyant Position Petroleum Engineer Company Occidental Geothermal, Inc. Date August 23, 1979</p>
	<p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i></p>
	Date Surveyed _____
	Registered Professional Engineer and/or Land Surveyor _____
	Certificate No. _____