

GTLT - ____6____

5-4S-1W

**Gulf Oil Corporation
(Socorro County)**

S-TG-1(PA)

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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.

N/A

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

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Armijo

9. Well No.

S-TG-1

Name of Operator

Gulf Oil Corporation

Address of Operator

1720 South Bellaire Street, Denver, Colorado 80222

10. ~~XXXXXX~~ Wildcat

Socorro

Location of Well UNIT LETTER A LOCATED 600' FEET FROM THE N LINEND 1,050 FEET FROM THE E LINE OF SEC. 5 TWP. 4S RGE. 1W NMPM

12. County

Socorro

19. Proposed Depth

500'

19A. Formation

Popatosa

20. Rotary or C.T.

Rotary

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

5,270' GL

21A. Kind & Status Plug. Bond

8078 70 40

21B. Drilling Contractor

Not yet known.

22. Approx. Date Work will start

Apr. 18, 1979

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 6" | 1 1/2" PVC | 1 1/2#/ft. | 500' | N/A | -1' |
| | | | | | |
| | | | | | |

1. Drill through colluvium. Set surface casing if needed.
2. Drill 6" hole with mud or air to 500'.
3. Hang 500' of 1 1/2" ID PVC pipe in hole. Pipe to be bull-plugged on bottom and filled with clear water.
4. Hole will set undisturbed for +1 month, then will be temperature-logged.
5. Following logging, hole will be abandoned by digging out around top to depth of 5', casing will be cut off and capped with cement slurry. Hole then will be back-filled with dirt and the location restored to pre-well conditions.

APPROVAL VALID FOR 90 DAYS.
PERMIT EXPIRES 7/22/79
UNLESS DRILLING UNDERWAY

APPROVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

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

By Shirley E. Campbell Title Geothermal Supervisor

Date

APR 17 1979

(This space for State Use)

APPROVED BY

Carl Ulvog

TITLE

SENIOR PETROLEUM GEOLOGIST

DATE

4/23/79

CONDITIONS OF APPROVAL, IF ANY:

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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 <input type="checkbox"/> Fee <input checked="" type="checkbox"/> |
| 5.a State Lease No. N/A |

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.)

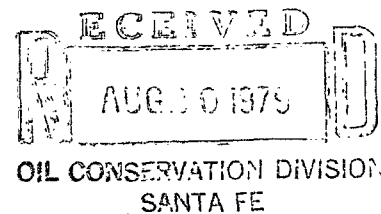
| | |
|--|---|
| 1. Type of well Geothermal Producer <input type="checkbox"/> Temp. Observation <input checked="" type="checkbox"/> Low-Temp Thermal <input type="checkbox"/> Injection/Disposal <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator Gulf Oil Corporation | 8. Farm or Lease Name Armijo |
| 3. Address of Operator 1720 So. Bellaire St., Denver, Colo. 80222 | 9. Well No. 1 |
| 4. Location of Well Unit Letter <u>A</u> <u>600</u> Feet From The <u>N</u> Line and <u>1,050</u> Feet From The <u>E</u> Line, Section <u>5</u> Township <u>4S</u> Range <u>1W</u> NMPM. | 10. Water Well , or Wildcat Socorro |
| 15. Elevation (Show whether DF, RT, GR, etc.) 5,270'GL | 12. County Socorro |

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

| | | | |
|--|---|---|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG & ABANDONMENT <input checked="" type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER <input type="checkbox"/> | | OTHER <input type="checkbox"/> | |

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.

Dirt was dug out around top of hole with a backhoe to a depth of 5', the 2" PVC pipe was cut off at 5' and capped with cement slurry. Hole was back-filled with dirt and the surface was restored to near pre-well conditions.



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

SIGNED G. E. Campbell TITLE Geothermal Supervisor DATE 8-16-79

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 10-26-79

CONDITIONS OF APPROVAL, IF ANY: