

GEOHERMAL WELL COMPLETION REPORT

The U.S. Geological Survey requires this form or other supervisor approved form to be prepared and filed in duplicate with requisite attachments with the supervisor within 30 days after completion of permitted operations.

4. LEASE SERIAL NO.

5. SURFACE MANAGER: BLM () FS ()
Other ()

6. UNIT AGREEMENT NAME

7. WELL NO. GEO N-1

8. PERMIT NO.

9. FIELD OR AREA

10. SEC. T., R., S. & M.
25, T22S, R12E

11. COUNTY
Deschutes

12. STATE
OR

13. SPUD DATE 8/23/85 DATE T.D. REACHED

14. COMPLETION DATE (Ready to produce)
N/A

15. DIRECTIONALLY DRILLED INTERVALS
None

16. SURVEYED INTERVALS
None

17. CORE SIZE AND INTERVALS
HQ 487' - 4550'

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

1b. COMPLETION: NEW (X) WORKOVER () DEEPENED () PLUGBACK () REDRILL ()
RECOMPLETED () DRILLED & ABANDONED () OTHER ()

2. NAME OF LESSEE/OPERATOR
GEO OPERATOR CORPORATION

3. ADDRESS OF LESSEE/OPERATOR

18. LOCATION OF WELL
At Surface: 3600' w and 2750' n of SE cor, S25, T22S, R12E
At Top of Production Zone: N/A
At Total Depth: N/A

19. TOTAL DEPTH Measured: 4550' True Vertical: N/A

20. PLUGBACK TOTAL DEPTH Measured: N/A True Vertical:

21. ELEVATION: ESTIMATED (X) FINAL () 5840'
REFERENCE DATUM: GR (X) MAT () OP () RT () CASINGHEAD FLANGE () OTHER ()

22. DRILLING MEDIA: AIR () WATER () MUD () FOAM () OTHER ()
List Characteristics:
Bentonite

RECEIVED - PTLD
JAN 13 1985

DEPT. OF GEOLOGY
GEOHERMAL DIVISION

| CASING RECORD | | | | | | | |
|---------------|------------|-------|-------------------|-------|------|-----------|----------------------------------|
| Size | Weight | Grade | Collars & Threads | Depth | | Hole Size | Cementing Record (slurry volume) |
| | | | | Top | Show | | |
| 4-1/2" | 10.7 lb/ft | A53 | Flush Joint | 0 | 468' | 5-5/8" | 450 Gal. |

| LINER RECORD | | | | | | | |
|--------------|--------|-------|-------------------|-------|--------|----------------------|----------------------------------|
| Size | Weight | Grade | Collars & Threads | Depth | | Perforated Intervals | Cementing Record (slurry volume) |
| | | | | Top | Bottom | | |
| | | | | | | | |

| TUBING RECORD | | | | | 17. CEMENT SQUEEZE, ACID, FRACTURE, ETC. (detail type, amount, intervals) |
|---------------|----------|-------|-----------|--------------|---|
| Size | Weight | Grade | Depth Sec | Packer Depth | |
| 1.61" ID | 2.9 #/ft | J-55 | 4542' | | Filled hole with shur-gel |

| PERFORATION RECORD | | | | |
|--------------------|-----------|-------------------|------|-----------|
| Type | Total No. | Density (No. /ft) | Size | Intervals |
| | | | | |

19. ATTACHMENTS & PREVIOUS SUBMITTALS: List all reports, surveys, tests and logs, not listed in item 11, which have resulted from drilling and completion operations. List relevant previously furnished data with date of submittal referenced.

20. WELL STATUS: PRODUCING () SHUT-IN () SUSPENDED () INJECTION () DISPOSAL () HEAT EXCHANGE () ABANDONED () WATER SUPPLY () OTHER ()

21. DO YOU CONSIDER THE WELL TO BE COMMERCIAL? EXPLAIN:

22. I hereby certify the information on this report and the attached information is complete and accurate according to the best of my knowledge.
SIGNED: Michael J. L... S.E.C. DATE: 1-10-86

This report is required by law (30 U.S.C. 1033); regulations: 30 CFR 170.17, 30 CFR 170.71; Federal Geothermal Lease Terms and Stipulations and other regulatory requirements. Failure to report in a timely prescribed manner can result in shutting down operations, suspension and or recommendation of cancellation of lease. 30 U.S.C. 1031, 30 CFR 170.30, 43 CFR 1244.11. The United States Criminal Code (18 U.S.C. 1001) makes it a criminal offense to make a willfully false statement or representation to any Department or Agency of the United States as to any matter within its jurisdiction.