

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0132
Expires: March 31, 2007

GEOHERMAL WELL COMPLETION REPORT

The Bureau of Land Management (BLM) requires this form or other BLM-approved forms to be prepared and filed in **duplicate** with requisite attachments with the authorized officer within 30 days after completion of permitted operations.

1a. Well Type: Production Injection Disposal Water Supply Observation
Cold Heat Exchange Other

1b. Completion: New Workover Deepened Plugback Redrill
Recompleted Drilled & Abandoned Other

2. Name of Lessee/Operator _____

3. Address of Lessee/Operator _____

18. Location of Well
At Surface: _____
At Top of Production Zone: _____
At Total Depth: _____

19. Total Depth Measured: _____ True Vertical: _____

20. Plugback Total Depth Measured: _____ True Vertical: _____

21. Elevation: Estimated Final
Reference Datum: GR MAT DF KB RT Casinghead Flange Other

22. Drilling Media: Air Water Mud Foam Other
List Characteristics: _____

23. Log Type & Intervals _____

4. Lease Serial No. _____

5. Surface Manager: BLM FS
Other _____

6. Unit Agreement Name _____

7. Well No. _____ 8. Permit No. _____

9. Field or Area _____

10. Sec., T., R., B. & M. _____

11. County _____

12. State _____

13. Spud Date _____ Date T.D. Reached _____

14. Completion Date (Ready to produce) _____

15. Directionally Drilled Intervals _____

16. Surveyed Intervals _____

17. Core Size and Intervals _____

24. CASING RECORD

| Size | Weight | Grade | Collars & Threads | Depths Set | | Hole Size | Cementing Record (slurry volume) |
|------|--------|-------|-------------------|------------|------|-----------|-------------------------------------|
| | | | | Top | SHoe | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

25. LINER RECORD

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

26. TUBING RECORD

| Size | Weight | Grade | Depth Set | Packer Depth |
|------|--------|-------|-----------|--------------|
| | | | | |
| | | | | |

27. Cement Squeeze, Acid, Fracture, etc. (detail type, amount, intervals)

28. PERFORATION RECORD

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

29. Attachments & Previous Submittals: List all reports, surveys, tests and logs, not listed in item 23, which have resulted from drilling and completion operations. List relevant previously furnished data with date of submittal referenced.

30. Well Status: Producing Shut-In Suspended Injection Disposal Heat Exchange Abandoned Water Supply Other

31. Do you consider the well to be commercial? Yes No Explain: _____

32. I hereby certify the information on this report and the attached information is complete and accurate according to the best of my knowledge.

Signed: _____ Title _____ Date _____

33. WELL TEST

| | |
|-----------|--|
| Test Date | Production Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping – include size type, intake depth, etc. <input type="checkbox"/> Other |
|-----------|--|

34. PRODUCTION

| | | | | |
|--------------|------------------------|------------|------------|-------------------|
| Hours Tested | Production During Test | | | Enthalpy (Btu/lb) |
| | Total Liquids (lb) | Steam (lb) | Water (lb) | |

35. STATIC TEST DATE

| | | | | | |
|-------|-------------------------|----------------------------|-----------------------------|------------------------|----|
| Depth | Surface Pressure (psig) | Subsurface Pressure (psig) | Subsurface Temperature (°F) | Water Analysis | |
| | | | | Total Dissolved Solids | pH |

36. FLOWING TEST DATA

| | | | | | | |
|-------------------------|---------------------|---------------------|------------------------|------------------------------------|---------------|---------------|
| Surface Pressure | Subsurface Pressure | Surface Temperature | Subsurface Temperature | Avg. Total Mass Flow Rate Per Hour | | |
| Wellhead: Separator: | at _____ feet | | at top of perms. | Total (lb/hr) | Steam (lb/hr) | Water (lb/hr) |

37. SUMMARY OF POROUS ZONES. Show all important porous zones and contents of each; cored intervals with recoveries, drill stem or formation tests with depth of interval tested, time open, cushion used, and flowing and shut-in pressures, temperatures and recoveries.

38. GEOLOGIC MARKERS (TOP)

| Formation | Top | Bottom | Description of Details | Name | Measured Depth | True Vertical Depth |
|-----------|-----|--------|------------------------|------|----------------|---------------------|
| | | | | | | |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and accurate geothermal well completion report, and should be accompanied by a detailed chronological history of well operations and final copies of the results of any logs, surveys or tests performed on the well, which have not previously been submitted. The report shall be submitted within 30 days after the date of completion of continuous well activities, as determined by the authorized officer. The completion date usually is the day the well became producible, and generally is the date of initial production test. The authorized officer may postpone the required report submittal date if adequate justification is presented by the lessee.

SPECIFIC INSTRUCTIONS

Item 18: Show the surface location coordinates from the nearest section corner or tract line. Show production zone and total depth coordinates from the surface location if the well is directionally drilled.

Item 34: If the well is immediately placed into operation without testing, this section should reflect the first month's production data.

Items 35 & 36: Indicate the depth(s) of subsurface pressure and temperature measurement, and include the reference datum.

NOTICE

The Paperwork Reduction Act of 1995 requires us to inform you that:

We are collecting this information to evaluate the technical, safety, and environmental factors involved with geothermal resources on Federal geothermal leases.

We will use this information to analyze operations and to compare equipment and procedures actually used with proposals that you applied for.

Response to this request is mandatory once you drill a geothermal well.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 2 to 6 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, Information (1004-0132), Bureau Information Collection Clearance Officer, (WO-630), 1849 C Street, Mail Stop 401 LS, N.W., Washington, D.C. 20240.