

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0132
Expires: December 31, 2016

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 within 30 days after the completion of permitted operations.

1a. Well Type						Production		Injection		Disposal		Water Supply		Observation		4. Lease Serial No.					
						Cold		Heat Exchange		Other						5. Surface Manager: BLM FS Other					
1b. Type of Completion:						New		Workover		Deepened		Plugback		Redrill		7. Well No.		8. Permit No.			
						Recompleted		Drilled & Abandoned		Other								6. Unit Agreement Name			
2. Name of Lessee/Operator																		9. Field or Area			
																		10. Sec., T., R., B. & M.			
3. Address of Lessee/Operator																		11. County			
																		12. State			
18. Location of Well																		13. Spud Date		Date T.D. Reached	
At surface:																					
At Top of Production Zone:																					
At Total Depth:																					
19. Total Depth																		14. Completion Date (<i>ready to produce</i>)			
Measured:																					
15. Directionally Drilled Intervals																					
20. Plugback Total Depth																		16. Surveyed Intervals			
Measured:																					
21. Elevation:																					
Reference Datum:																					
22. Drilling Media:																		17. Core Size and Intervals			
List characteristics																					
23. Log Type & Intervals																					

24. CASING RECORD

Size	Weight	Grade	Collars & Threads	Depths Set		Hole Size	Cementing Record (<i>slurry volume</i>)
				Top	SHoe		

25. LINER RECORD

Size	Weight	Grade	Collars & Threads	Top	Bottom	Perforated Intervals	Cementing Record (<i>slurry volume</i>)

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 (<i>No./ft</i>)	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 _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C Section 1212 make 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.

33. WELL TEST

Test Date	Production Method:	Flowing Other	Pumping – include size type, intake depth, etc.
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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 Wellhead: Separator:	Subsurface Pressure at _____ feet	Surface Temperature	Subsurface temperature at top of perfs.	Avg. Total Mass Flow Rate Per Hour		
				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

GENERAL INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and accurate geothermal well completion report, and must be accompanied by a detailed chronological history of well operations as well as the final copies of the results of any logs, surveys or tests performed on the well that have not previously been submitted. The report must be submitted within 30 days after the date of completion of continuous well activities as determined by the BLM. The completion date usually is the day that the well became producible; generally the date of initial production test. The BLM 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, temperature measurement, and include the reference datum.

NOTICES

The Privacy Act of 1974 and 43 CFR 2.48(d) require that you be furnished the following information:

AUTHORITY: 30 U.S.C. 1001-1028; 43 CFR Part 3200.

PRINCIPAL PURPOSE: The BLM uses this information to evaluate the technical, safety, and environmental factors involved with geothermal resources on Federal geothermal leases.

ROUTINE USES: (1) The adjudication of this form. (2) Documentation for public information in support of notations made on land status, records for the management, disposal, and use of public lands and resources. (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources. (4) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is required to seek approval of geothermal drilling operations. If all the information is not provided, geothermal drilling operations might not be approved.

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

The BLM collects this information to evaluate the technical, safety, and environmental factors involved with geothermal resources on Federal geothermal leases.

The BLM 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 required to obtain or maintain a benefit.

The 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 10 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 (1004-0132), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Washington, D.C. 20240.