

GEOTHERMAL HEATING / COOLING NOTICE OF COMPLETION

Use this form for completed groundwater developments where the water has been put to use for non-consumptive geothermal heating or cooling purposes with a maximum use of 350 GPM.

Incomplete forms will be returned.

Filing Fee \$250.00

FOR DEPARTMENT USE ONLY

Notice No. _____ Basin _____
 Priority Date _____ Time _____ AM - PM
 Rec'd By _____
 Fee Rec'd \$ _____ Check No. _____
 Deposit Receipt # _____
 Payor (if different from name(s) listed in item 1 below) _____

 Refund \$ _____ Date _____
 Deficiency Letter Sent _____

Your priority is determined by the date of filing. If it is determined this form was improperly filed, your priority date may be changed.

ANSWER THE QUESTIONS LISTED BELOW TO DETERMINE IF YOU CAN FILE YOUR WATER USE ON THIS FORM.

- Yes No Is the appropriation located outside the boundaries of a controlled groundwater area?
- Yes No Is the maximum appropriation 350 gallons per minute (GPM) or less?
- Yes No Is all water that is extracted returned without delay into the same source aquifer?
- Yes No Is the distance between the extraction well and both the nearest existing well and any hydraulically connected surface water source more than twice the distance between the extraction and injection well?

If the answers to all questions above are "yes," you can use this form. If any answer above is "no," contact the regional office.

1. **NAME** _____
MAILING ADDRESS _____
CITY _____ **STATE** _____ **ZIP** _____
WORK PHONE _____ **HOME PHONE** _____ **CELL PHONE** _____

2. **DIVERSION USED TO OBTAIN / RETURN GROUNDWATER**
 Wells – Attach well logs for all extraction and injection wells.
 Developed Springs (excavation performed at the spring location) – Attach well log for injection well if used. If injection well not used, describe injection apparatus showing that water is injected into the same aquifer from which it is extracted. _____

3. **FLOW RATE USED** _____ GPM

4. **PERIOD OF USE**
 Year round use? Yes No If no, from _____ to _____, inclusive each year.

5. **EXTRACTION LOCATION** Latitude _____ Longitude _____
 _____ 1/4 _____ 1/4 _____ 1/4 Section _____ Twp _____ N / S Rge _____ E / W County _____
 Lot _____ Block _____ Tract No. _____ Subdivision Name _____
 Government Lot No. _____ COS No. _____
 Street or Road Address, including City, State & Zip Code of the Development _____

6. **INJECTION LOCATION** Latitude _____ Longitude _____
 _____ 1/4 _____ 1/4 _____ 1/4 Section _____ Twp _____ N / S Rge _____ E / W County _____
 Lot _____ Block _____ Tract No. _____ Subdivision Name _____
 Government Lot No. _____ COS No. _____

7. **DISTANCE FROM POINT OF EXTRACTION TO POINT OF INJECTION** _____ feet

8. **DISTANCE FROM POINT OF EXTRACTION TO BOTH NEAREST EXISTING WELL AND HYDRAULICALLY CONNECTED SURFACE WATER**
 Distance to well _____ feet Distance to hydraulically connected surface water source _____ feet

9. **PLACE OF USE** - Enter the 17 digit geocode applicable to the place of use legal land description. _____ If there are multiple places of use, attach additional sheets and list the geocode for each legal land description. Geocodes can be found in county records, at <http://gis.mt.gov/>, and on tax assessment notices.

Is the place where water is used the same as the point of diversion? Yes No
 If no, enter the place of use land description below. Attach additional sheets if necessary.

_____ 1/4 _____ 1/4 _____ 1/4 Section _____ Twp _____ N/S Rge _____ E/W County _____
 Lot _____ Block _____ Tract No. _____ Subdivision Name _____
 Government Lot No. _____ COS No. _____
 Street or Road Address, including City, State & Zip Code of the Place of Use _____

10. **MAP – Map standards must be followed pursuant to ARM 36.12.111(1) through (3)**
 Attach a map showing points of extraction/injection, nearest existing well, and nearest hydraulically connected surface water source. Label all distances.

11. **AFFIDAVIT OF OWNERSHIP OR WRITTEN CONSENT**
 I have possessory interest in the property where the water has been put to beneficial use and I have the exclusive property rights in the ground water development works **OR** I have attached written consent of the person owning the ground water development works and/or written notification to the land owner pursuant to MCA 85-2-306(1).
 The statements appearing here are to the best of my knowledge true and correct.

Appropriator's Signature _____ Date: _____
 Appropriator's Signature _____ Date: _____



Form 646—GEOTHERMAL HEATING / COOLING NOTICE OF COMPLETION

There are special federal requirements regarding injection wells and water quality. Filing requirements may apply to your development. Please visit <http://water.epa.gov/type/groundwater/uic/class5/> for more information regarding the Class V well inventory process.

To use this form, the following must apply to your water use.

- ◆ The ground water must have been put to use.
- ◆ The development is not located within the boundaries of a Controlled Ground Water Area.
- ◆ The source is groundwater, meaning any water located beneath the ground surface. The water is diverted from the ground via a well or developed spring.
- ◆ The flow rate used is 350 gallons per minute or less. This is the rate you are taking water from the source. If the water use exceeds that amount, then you must file an Application for Beneficial Water Use Permit, Form 600.
- ◆ If the flow rate used is less than 35 gallons per minute and the volume used by the system is less than 10 acre-feet per year you may utilize a Form 602 as your notice of completion.

Complete items 1 through 11 ONLY if you have determined this is the correct form to file.

All of the required information must be entered for your application to be considered correct and complete as required under 85-2-306, MCA.

Item 1. Enter the complete name of the person to be listed as the water right owner(s), their mailing address, and phone numbers.

Item 2. Check the type of ground water development used to obtain the ground water. If using wells, provide all well logs. If extracting from a spring, provide a well log for the injection well or a written description of the injection apparatus showing the water is injected into the same aquifer from which it is extracted.

Item 3. Enter the flow rate pulled from the aquifer.

Item 4. Enter the period of use.

Item 5. Location of extraction. Attach an additional sheet if more than one point of extraction. Latitude and Longitude must be entered. Enter the land description for the location of extraction. Describe the location to the nearest 10 acres if possible. Legal land descriptions, subdivisions, geocodes, and certificate of survey information may be obtained from the county records, tax statements, or from the Montana Cadastral system at: <http://gis.mt.gov/>.
Subdivisions – In addition to the above description, enter the lot and block or tract number, subdivision name.
Government Lots – In addition to the land description, enter the government lot number.
Certificate of Survey - In addition to the land description, enter the survey number.
Street or Road Address – Enter the physical address of the development including city, state, and zip code.

Item 6. Location of Injection. Attach an additional sheet if more than one point of injection. Follow standards listed above for Item 5.

Item 7. Enter distance (in feet) between point of extraction and point of injection.

Item 8. Enter distance (in feet) from the extraction well to both the nearest existing well and nearest hydraulically connected surface water source.

Item 9. Enter the land description for where the water is used. The geocode of the place of use must be provided. Follow standards listed above for item 5.

Item 10. Attach a map which includes the following information - North Arrow, Section, Township, Range and label the point(s) of extraction, point(s) of injection, nearest existing well, and nearest hydraulically connected surface water. If nearest existing well /or surface water is off the map, be sure at least twice the distance from the extraction to injection well is visible from the extraction well to the edge of the map (i.e. if distance between points of extraction and injection is 500 feet be sure at least 1000 feet in all directions from point of extraction is visible on map). Label distances between locations. *DNRC may change the written legal land description to match the map.*

Item 11. If the statements are correct, sign and date the form.

Send the form to your local Water Resources Regional Office.

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