

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER
1313 Sherman St., Ste 821, Denver, Colorado 80203
(303) 866-3581

INFORMATION FOR WELL PERMITS APPROVED PURSUANT TO CRS 37-90-137(4)

Carefully read the conditions of approval on your well permit. The conditions and the information on this information sheet must be complied with in order for the permit to remain valid.

THE ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

The well permit number is located in the upper right hand corner of the permit, and the expiration date is located in the lower right hand corner.

THE WELL PERMIT EXPIRATION DATE IS ONE YEAR FROM THE DATE ISSUED. Evidence of well construction and pump installation must be received on appropriate forms PRIOR TO THE EXPIRATION DATE OF THE PERMIT. The required forms are the Well Construction and Test Report (Form No. GWS-31), and the Pump Installation and Test Report (Form No. GWS-32). There are penalties if evidence of well construction and pump installation is not received prior to the expiration date. The licensed contractor or well owner (under the private driller or pump installer statutes and rules) performing the work is responsible for completing the appropriate form(s) and submitting them to the Division of Water Resources.

Water well construction and pump installation contractors are licensed in Colorado to perform these specialized tasks. It is illegal for individuals who do not hold these licenses to construct wells and install pumping equipment in or on wells. The well must be constructed and pumping equipment installed by contractors with current license(s) issued by the State of Colorado unless exempted as described in the Water Well Construction Rules and Board of Examiners Rules. These Rules cover the minimum requirements for well construction, pump installation, disinfection, plugging and sealing and contractor licensing regulations and can be obtained from our website at the following link: <http://water.state.co.us/groundwater/BOE/Pages/BOERules.aspx>, or purchased from any Division of Water Resources office for a small fee.

Keep a copy of this permit for your records. The official digital image of the permit is on file in the Denver office Records Section. You may view or print the entire permit file using our online well permit search tool: <http://www.dwr.state.co.us/WellPermitSearch/>. Statutes require that any change of mailing address or ownership be reported to the State Engineer. Form No. GWS-11 is used both by new owners to report ownership changes and current owners to report address changes. Forms are available from the Division of Water Resources offices or online at <http://water.state.co.us/DWRDocs/Forms/Pages/WellPermittingFormsByNumber.aspx>.

The following, and other requirements, are spelled out in the Statewide Nontributary Ground Water Rules.

- If the name and license number of the Colorado licensed well construction contractor was not specified on the well permit application, or has changed, the permittee must notify the State Engineer in writing of the name and license number of the contractor by submitting a completed Notification of Drilling Contractor (Form No. GWS-21) at least **10 days prior to commencement of construction** of the well.
- **If a well permitted pursuant to C.R.S. 37-90-137(4) will not be constructed and/or pumping equipment installed prior to the expiration of the permit, the expiration date of the permit may be extended one time only for a period not to exceed one year** for good cause shown, at the discretion of the State Engineer. If an extension of time is necessary to construct the well and/or install pumping equipment, the owner must file a Request for Extension of Well Permit Expiration Date (Form No. GWS-64) or written request (email or letter) to this office, along with a \$60 filing fee. The request and fee must be received by the State Engineer prior to the expiration date. The request must state why the well has not been constructed and/or pumping equipment installed, and must include an estimate of time required to construct the well and/or install pumping equipment.

Metering and Reporting Withdrawals from Wells Permitted Pursuant to C.R.S. 37-90-137(4): In order to administer these wells, the State Engineer shall require the permittee to install and maintain a totalizing flow meter to measure all withdrawals from the well. As a minimum, the meter shall be installed according to manufacturer's recommendations and shall contain sufficient recording digits to assure that "roll over" to zero does not occur within three years. The meter shall be maintained by the permittee so as to provide a continuous, accurate record of withdrawals. If the meter is not operational, the well shall not be pumped. The State Engineer may approve a substitute totalizing measuring device if it is

capable of recording or can be used to calculate the total volume pumped. The permittee shall report the amount of withdrawal from the permitted well as reasonably required by the State Engineer.

Geophysical logs will be required for all wells permitted pursuant to C.R.S. 37-90-137(4) unless there is an existing geophysical log from that aquifer located within 1,320 feet of the proposed well which is acceptable to the State Engineer and is representative of aquifer conditions at the location of the permitted well. The permittee will be responsible for obtaining and submitting a copy of the existing geophysical log unless it is currently on file in the State Engineer's Office.

If the new well is geophysically logged, the permittee is responsible for obtaining and submitting those required geophysical logs to the State Engineer's Office. The minimum requirement will be for both resistivity and spontaneous potential (SP) logs, which must be obtained prior to the installation of well casing. The resistivity log must record values at approximately one-and three-foot depths of investigation. The vertical scale shall be either one inch equals twenty feet or one inch equals fifty feet. If additional types of logs, including gamma, neutron, porosity, sonic, single-point resistance, and caliper, are obtained, copies of these logs shall also be submitted to the State Engineer's Office. The entire set of logs must be submitted to the State Engineer's Office within sixty days following collection of the data. If a permittee, or an applicant drilling a test hole, desires to use other geophysical logs to meet the minimum requirement, he must apply in writing to, and obtain approval from the State Engineer's Office prior to well construction. In the event that the data provided contain trade secrets, privileged information, or confidential commercial, financial, geological or geophysical data, the State Engineer shall deny the right of inspection of such data to any person and keep the data confidential pursuant to C.R.S. 24-72-204(3)(a)(IV), provided the applicant notifies the State Engineer in writing requesting such protection.

The State Engineer may require the applicant to submit the geophysical well logs prior to the casing of the production well in order to determine the appropriate producing interval. In such a case, the State Engineer shall inform the applicant of the appropriate producing interval within two working days of receipt by the State Engineer of the geophysical logs.

GEOPHYSICAL LOGGING REQUIREMENTS

Please note that the conditions of approval on the well permit require that the hole be geophysically logged prior to the installation of the casing. Listed below are standards acceptable to the State Engineer, which must be met to fulfill this logging requirement.

- 1) Resistivity and Spontaneous Potential (SP) logs are required.
- 2) The resistivity log must record values at approximately one foot and three foot depths of investigation (commonly called short and long normal).
- 3) Single point Resistance logs are not acceptable.
- 4) For wells that penetrate the Denver, Arapahoe, and/or Larimie-Fox Hills formations, a Natural Gamma log is also required.
- 5) The vertical scale of the logs shall be either one inch equals twenty feet (1" = 20') or one inch equals fifty feet (1" = 50').
- 6) The Resistivity and Spontaneous Potential logs may be supplemented by Gamma, Neutron, Porosity, Sonic, Caliper, or other logs at the applicant's option. If these logs are run, the applicant shall submit copies to the Division of Water Resources.
- 7) Logs shall be submitted to the Division of Water Resources no more than sixty (60) days after completion of the work or seven (7) days after the expiration date of the well permit, whichever is less. The logs shall be identified by the well permit number.
- 8) Any variance to geophysical logging requirements must receive prior written approval of the Division of Water Resources Geotechnical Section.

If you have questions, contact the Denver Office, or the Division Office in the area where your well is located.

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Division 5 202 Center Drive (physical) Glenwood Spgs., CO 81601 P.O. Box 396 Zip 81602 (mailing) (970) 945-5665 Fax: (970) 945-8741 Call First	Division 6 505 Anglers Dr. Suite 101 (physical) Steamboat Spgs, CO 80487 P.O. Box 773450 Zip 80477 (mailing) (970) 879-0272 Fax: (970) 879-1070	Division 7 160 Rockpoint Dr Ste E Durango, CO 81301 (970) 247-1845 Fax: (970) 259-0944	Denver Office 1313 Sherman St., Ste 821 Denver, CO 80203 (303) 866-3581 No Fax