

Form No. GWS-31  02/2017	<b>WELL CONSTRUCTION AND YIELD ESTIMATE REPORT</b> State of Colorado, Office of the State Engineer 1313 Sherman St., Room 821, Denver, CO 80203 303.866.3581 <a href="http://dwr.colorado.gov">dwr.colorado.gov</a> and <a href="mailto:dwrpermitsonline@state.co.us">dwrpermitsonline@state.co.us</a>	For Office Use Only									
<b>1. Well Permit Number:</b>		<b>Receipt Number:</b>									
<b>2. Owner's Well Designation:</b>											
<b>3. Well Owner Name:</b>											
<b>4. Well Location Street Address:</b>											
<b>5. GPS Well Location</b> <input type="checkbox"/> Zone 12 <input type="checkbox"/> Zone 13 Easting: _____ Northing: _____											
<b>6. Legal Well Location:</b> _____ 1/4, _____ 1/4, Sec., _____ Twp., _____ N or S _____, Range _____, _____ E or W _____, _____ P.M.											
County: _____ Subdivision: _____, Lot _____, Block _____, Filing (Unit) _____											
<b>7. Ground Surface Elevation:</b> _____ feet <b>Date Completed:</b> _____ <b>Drilling Method:</b> _____											
<b>8. Completed Aquifer Name :</b> _____ <b>Total Depth:</b> _____ feet <b>Depth Completed:</b> _____ feet											
<b>9. Advance Notification:</b> Was Notification Required Prior to Construction? <input type="checkbox"/> Yes <input type="checkbox"/> No, Date Notification Given: _____											
<b>10. Aquifer Type:</b> <input type="checkbox"/> Type I (One Confining Layer) <input type="checkbox"/> Type I (Multiple Confining Layers) <input type="checkbox"/> Laramie-Fox Hills (Check one) <input type="checkbox"/> Type II (Not overlain by Type III) <input type="checkbox"/> Type II (Overlain by Type III) <input type="checkbox"/> Type III (alluvial/colluvial)											
<b>11. Geologic Log:</b>					<b>12. Hole Diameter (in.)</b> From (ft) To (ft)						
Depth	Type	Grain Size	Color	Water Loc.							
<b>Remarks:</b>					<b>13. Plain Casing</b>						
					OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)		
					<b>Perforated Casing</b> Screen Slot Size (in): _____						
					OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)		
					<b>14. Filter Pack:</b>			<b>15. Packer Placement:</b>			
					Material	_____		Type	_____		
					Size	_____		Depth	_____		
					<b>16. Grouting Record</b>						
					Material	Amount	Density	Interval	Method		
<b>17. Disinfection:</b> Type _____ Amt. Used _____											
<b>18. Well Yield Estimate Data:</b> <input type="checkbox"/> Check box if Test Data is submitted on Form Number GWS-39, Well Yield Test Report											
Well Yield Estimate Method: _____											
Static Level: _____					Estimated Yield (gpm) _____						
Date/Time measured: _____					Estimate Length (hrs) _____						
<b>Remarks:</b>											
<b>19.</b> I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402.2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$1,000 and/or revocation of the contracting license. If filing online the State Engineer considers the entry of the licensed contractor's name to be compliance with Rule 17.4.											
Company Name:			Email:		Phone w/area code:		License Number:				
Mailing Address:											
Sign (or enter name if filing online)				Print Name and Title				Date:			

## INSTRUCTIONS FOR WELL CONSTRUCTION AND YIELD ESTIMATE REPORT

This report must be computer generated online, typed or printed in **BLACK OR BLUE INK** and may be reproduced by photocopy or computer generation. Photocopy reproductions must retain margins and print quality. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface. If filing online please see the [Form Submittal, Payment Options, & Fee Schedule](#). You may also save, print and email the completed form to: [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

The form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier. A copy of the form must be provided to the well owner.

### **Item Instructions:** (numbers correspond with those on the front of this form)

1. Complete the well permit and receipt number.
2. Provide the identification (owner's well designation) for the well.
3. Fill in well owner name.
4. Provide the street address where the well is located.
5. Provide the GPS location where the well was drilled (required field).  
  
Colorado contains two (2) UTM zones. Zone 13 covers most of Colorado. The boundary between Zone 12 and Zone 13 is the 108<sup>th</sup> Meridian (longitude). West of the 108<sup>th</sup> Meridian is UTM Zone 12 and east of the 108<sup>th</sup> Meridian is UTM Zone 13. The 108<sup>th</sup> Meridian is approximately 57 miles east of the Colorado-Utah state line. On most GPS units, the UTM zone is given as part of the Easting measurement, e.g. 12T0123456. Check the appropriate box for the zone.
6. Complete the legal description location of the well and county. For wells located in subdivisions, the name, lot, block, and filing, must be provided.
7. Report the ground surface elevation in feet above sea level if available. This value may be obtained from a topographic map. Provide the date the well was completed and describe the drilling method used to construct the well.
8. Indicate the aquifer in which the well was completed, the total depth drilled, and the actual completed depth of the well.
9. Indicate whether or not the well inspection team was required to be notified prior to construction. If required, provide the date notification was given. See <https://dwr.colorado.gov/services/well-construction-inspection> for more information on Notifications.
10. Check the box indicating the type aquifer in which the well is completed (See Rule 5.2.2 Well Construction Rules).
11. Fully describe the materials encountered in drilling. Do not use formation names unless they are in conjunction with a description of materials. Examples of descriptive terms include:  
**Type** - sandstone, sand, etc.  
**Grain size** - Boulders, gravel, sand, silt, clay, etc.  
**Color** - Denote for all materials, most critical in sedimentary rock  
**Water Location** - Depth where water is encountered (if it can be determined)
12. Provide the diameters of the drilled borehole.
13. The outside diameter, type, wall thickness, and interval of plain and perforated casing lengths must be indicated. For perforated casing, the screen size must be indicated.
14. Indicate the material and size of filter pack (e.g. sand, gravel, etc.) and the interval where placed.
15. Indicate the type and setting depth for any packers installed.
16. The material, amount, and interval of the grout slurry must be reported. Density may be indicated as pounds per gallon, gallons of water per sack, total gallons of water used, or number of sacks used, etc. Specify the grout placement method, i.e. tremie pipe or positive placement. The percentage of additives mixed with the grout should be reported under remarks.
17. Record the type and the amount of disinfection used, how placed, and the length of time left in the hole.
18. Report Well Yield Estimate data as required by Rule 17.1.1. Spaces are provided to report all estimates made during the assessment. The report should show that the estimate complied with the provisions of the rules. If available, report clock time when measurements were taken. If an estimate was not performed, explain when it will be done. A full Well Yield Test may be performed instead of an estimate; if so, check the appropriate box and submit the data on form GWS-39.
19. Fill in Company Name, Email, and Address and License Number (or PE/PG) of the Individual who is responsible for the well construction. The licensed contractor or authorized individual responsible for the construction of the well must sign or if filing online, enter his/her name on the report. If filing online the State Engineer considers the entering of the licensed contractors name on the form to be a certification of accuracy and truthfulness in compliance with Rule 17.4 of the Water Well Construction Rules and Regulations, 2 CCR 402-2.  
**Rule 17.4 Certification** - Work reports must be signed and certified as to accuracy and truthfulness of the information on the report by the well construction or pump installation contractors or authorized individuals responsible for the work performed by them or under their direction or supervision, or by the private driller or private pump installer if the work was performed by them. Such reports are deemed to be completed, signed and certified under oath.

Submit completed report to: State of Colorado, Office of the State Engineer, 1313 Sherman St, Room 821, Denver, CO 80203. You may also save, print, scan and email the completed form to [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

**IF YOU HAVE ANY QUESTIONS** regarding any item on this form, please call the Division of Water Resources Ground Water Information Desk (303-866-3587), or the nearest Division of Water Resources Field Office located in Greeley (970-352-8712), Pueblo (719-542-3368), Alamosa (719-589-6683), Montrose (970-249-6622), Glenwood Springs (970-945-5665), Steamboat Springs (970-879-0272), or Durango (970-247-1845), or refer to our web site at [dwr.colorado.gov](http://dwr.colorado.gov) for general information, forms, online filing instructions and access to state rules and statutes.