

Form No. GX-01 10/2011	GEOEXCHANGE LOOP FIELD CONSTRUCTION AND TEST REPORT STATE OF COLORADO OFFICE OF THE STATE ENGINEER 1313 Sherman St., Ste 821, Denver CO 80203 Main: (303) 866-3581 Fax: (303) 866-3589	For Office Use Only
1. PERMIT NUMBER: _____ -GX 2. OWNER NAME(S): _____ MAILING ADDRESS: _____ _____ _____ CITY: _____ STATE _____ ZIP _____ PHONE: (_____) _____ - _____		Div _____ WD _____ Basin _____ MD _____
3. PROPERTY LOCATION: County: _____ Parcel ID Number (Optional): _____ _____ (STREET ADDRESS AT LOOP FIELD LOCATION) (City) (State) (Zip) _____ 1/4 of the _____ 1/4, Sec. _____, Township _____ <input type="checkbox"/> N. or <input type="checkbox"/> S., Range _____ <input type="checkbox"/> E. or <input type="checkbox"/> W., _____ P.M. SUBDIVISION NAME: _____, LOT _____, BLOCK _____, FILING/UNIT _____		
4. LOOP FIELD POINT OF ORIGIN: DISTANCE FROM SECTION LINES: _____ Ft. <input type="checkbox"/> N. or <input type="checkbox"/> S. Line, _____ Ft. <input type="checkbox"/> E. or <input type="checkbox"/> W. Line. Optional: GPS well location information in UTM format. The following GPS settings are required : Easting _____ Format must be UTM . Units must be in meters . Datum must be NAD83 . Unit must be set to true north . <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13 Was GPS unit checked for above items? <input type="checkbox"/> YES <input type="checkbox"/> NO Northing _____		
5. LOOP MATERIAL: _____ DIAMETER: _____		6. DATE COMPLETED: _____
7. CIRCULATING FLUID (include mixture percent): _____		
8. FIELD TYPE: POND LOOPS <input type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL (Trench) <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/>		9. DEPTH OF LOOPS: _____ ft.
10. TRENCH INFORMATION: Average Depth: _____ ft. Average Width: _____ ft. Excavated with _____		12. HOLE DIAMETER: _____ in. NUMBER OF HOLES: _____ 13. GROUT: _____ Type and amount of each material (INCLUDE WATER): _____ _____ _____
11. BACKFILL MATERIALS: _____ _____ _____		
14. TEST DATA: Prior to installation: Design/Test Pressure (psi): _____ Test Length (hrs): _____ Date/Time Measured: _____ After Installation: Test Pressure (psi): _____ Test Length (hrs): _____ Date/Time Measured: _____		
15. NAME OF CERTIFIED INDIVIDUAL (type or print): _____ Mailing Address: _____ _____ Certification No. GT- _____ Phone Number: _____		
The Division of Water Resources' Online Mapping tool was used to identify rights located within 1/2 mile. <input type="checkbox"/> YES <input type="checkbox"/> NO I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. <i>[Pursuant to Section 24-4-104(13)(a), C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]</i>		
Signature: _____		Date: _____

**COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
INSTRUCTIONS FOR GEOEXCHANGE LOOP FIELD CONSTRUCTION AND TEST REPORT FORM**

The report must be typed or printed in **BLACK OR BLUE INK**. All changes on the form must be initialed and dated. **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. Incomplete forms will be returned for completion.**

This form may be reproduced by photocopy methods, or by computer.

GENERAL INSTRUCTIONS: (numbers correspond with those on the front of this form)

1. Print the loop field(s) number in the space provided at the top of the form.
2. Print the **Owner's Name** and indicate the mailing address and phone number.
3. Complete the well location information of where the loop field(s) was drilled. Complete the parcel I.D. number if known. The loop field(s) location must include the ¼, ¼, Section, Township, Range, Principal Meridian, and distances from section lines. If the loop field(s) is located in subdivisions the lot, block, and subdivision information must also be provided.
4. Complete the loop field(s) point of origin by providing the distances from section lines. An option to providing distances from section lines is to provide an accurate GPS location in GPS format. The required GPS unit settings must be as indicated on this form. Colorado contains two (2) UTM zones. Zone 13 covers most of Colorado. The boundary between Zone 12 and Zone 13 is the 108th Meridian (longitude). West of the 108th Meridian is UTM Zone 12 and east of the 108th Meridian is UTM Zone 13. The 108th 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.
5. Complete the type of material that the loop field(s) is made from. Also include the diameter of the tubing.
6. Enter the date that the loop field(s) was completed.
7. Enter the type of circulating fluid that is in the loops. Include the percentages of mixtures.
8. Indicate the type of loops that were installed
9. Indicate the depth that the loops were installed at.
10. Enter the average depth and width of the trenches that were dug when the loop field(s) were installed. Indicate the equipment that was used to excavate the trenches.
11. List the materials used to backfill the trenches.
12. Enter the hole diameter and the number of holes.
13. Enter the type and amount of grout used. You must include the amount of water used in the mix.
14. Enter the test pressure, length of test, and date/time of the test of the loop field(s) prior to installation. Enter the test pressure, length of test, and date/time of the test of the loop field(s) after it was installed.
15. Enter the name, mailing address, and phone number of the person who is certified to install this loop field(s). Enter the individual's certification number.

Indicate if the Division of Water Resources' Online Mapping Tool was used to identify water rights within ½ mile of the loop field(s).

The report must be signed by the certified individual responsible for the construction of the loop field(s).

Submit completed report to: State of Colorado, Office of the State Engineer, 821 Centennial Bldg., 1313 Sherman St., Denver, CO 80203

If you have questions, contact the Denver or the Division Office where your loop field(s) are located.

Division 1 810 9 th St., Ste. 200 Greeley, CO 80631 (970) 352-8712 Fax (970) 392-1816	Division 2 310 E. Abriendo Ave., Ste. B Pueblo, CO 81004 (719) 542-3368 Fax (719) 544-0800	Division 3 301 Murphy Drive Alamosa, CO 81101 (719) 589-6683 Fax (719) 589-6685	Division 4 1871 East Main St. Montrose, CO 81401 (970) 249-6622 Fax (970) 249-8728
Division 5 Direct mail to Box 396 Glenwood Spgs CO 81602 202 Center Drive Glenwood Spgs., CO 81601 (970) 945-5665 Fax (970) 945-8741	Division 6 Direct mail to Box 773450 505 Anglers Dr. Suite 101 Steamboat Spgs, CO 80477 (970) 879-0272 Fax (970) 879-1070	Division 7 701 Camino Del Rio, Ste. 205 Durango, CO 81301 (970) 247-1845 Fax (970) 259-0944	Denver Office 1313 Sherman St., Ste 821 Denver, CO 80203 (303) 866-3587 Fax (303) 866-3589