



DEPARTMENT OF PLANNING SERVICES  
1555 N 17th AVE  
GREELEY, CO 80631  
WEBSITE: [www.co.weld.co.us](http://www.co.weld.co.us)  
E-MAIL: [mhall@weldgov.com](mailto:mhall@weldgov.com)  
PHONE: (970) 353-6100, Ext. 3528  
FAX: (970) 304-6498

May 02, 2016

KELSEY BRUXVOORT  
AGPROFESSIONALS  
3050 67TH AVENUE # 200  
GREELEY, CO 80634

Subject: RECX16-0073 - AMENDED RECORDED EXEMPTION (IN CONJUNCTION WITH RECX16-0074)

On parcel(s) of land described as:

PT NE4 SECTION 22 T3N R67W LOT B REC EXEMPT RECX14-0149 of the 6th P.M., Weld County, Colorado.

Dear Applicant:

Your application and related materials for the request described above are complete and in order at this time. I will schedule a meeting with you at the end of the review period to discuss the referral comments received by our office.

It is the policy of Weld County to refer an application of this nature to any town or municipality lying within three miles of the property in question or if the property under consideration is located within the comprehensive planning area of a town or municipality. Therefore, our office has forwarded a copy of the submitted materials to the following Planning Commission(s) for their review and comments:

Mead at Phone Number 970-535-4477

Milliken at Phone Number 970-587-4331

Firestone at Phone Number 303-833-3291

Platteville at Phone Number 970-785-2245

Please call the listed Planning Commissions, for information regarding the date, time and place of the meeting and the review process. It is recommended that you and/or a representative be in attendance at each of the meetings described above in order to answer any questions that might arise with respect to your application.

If you have any questions concerning this matter, please call.

Respectfully,

Michael Hall  
Planner

Digitally signed by Michelle Wall  
Reason: I am the author of this document  
Date: 2016.05.02 15:57:01 -06'00'



# Weld County Referral

May 02, 2016

The Weld County Department of Planning Services has received the following item for review:

Applicant: ULRICH FAMILY INVESTMENTS LLLP      Case Number: RECX16-0073

Please Reply By: May 30, 2016      Planner: Michael Hall

Project: AMENDED RECORDED EXEMPTION (IN CONJUNCTION WITH RECX16-0074)

Location: WEST AND ADJACENT TO COUNTY ROAD 21; APPROXIMATELY 0.8 MILES NORTH OF STATE HIGHWAY 66

Parcel Number: 120922100007-R8941091 Legal: PT NE4 SECTION 22 T3N R67W LOT B REC EXEMPT RECX14-0149 of the 6th P.M., Weld County, Colorado.

The application is submitted to you for review and recommendation. Any comments or recommendation you consider relevant to this request would be appreciated. Please reply by the above listed date so that we may give full consideration to your recommendation. Any response not received before or on this date may be deemed to be a positive response to the Department of Planning Services. If you have any further questions regarding the application, please call the Planner associated with the request. **Please note that new information may be added to applications under review during the review process. If you desire to examine or obtain this additional information, please call the Department of Planning Services.**

- We have reviewed the request and find that it does / does not comply with our Comprehensive Plan because: \_\_\_\_\_
- We have reviewed the request and find no conflicts with our interests.
- See attached letter.

Signature \_\_\_\_\_  
Agency \_\_\_\_\_

Date \_\_\_\_\_

# Existing Parcel - 120922100007



Ulrich Family Investments LLLP



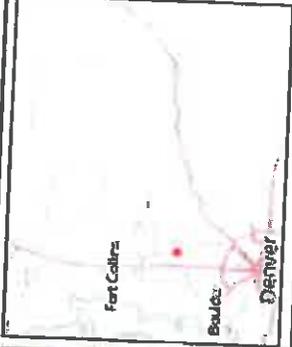
1: 6,864

1,144.0

0 572.02 1,144.0 Feet

WGS 1984 Web\_Mercator\_Auxiliary\_Sphere  
© Weld County Colorado

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.  
**THIS MAP IS NOT TO BE USED FOR NAVIGATION**



### Legend

- Parcels
- Highway
- County Boundary

### Legal:

PT NE4 22-3-67  
LOT B REC  
EXEMPT RECX  
14-0149

### Notes

120922100007  
Sec 22 T3N R67W  
14959 CR 21 WELD  
March 2016

# Amendment to RECX14-0149

WELD COUNTY  
COUNTY ENGINEERS

Ulrich Family Investments LLC



1: 6,864



WGS 1984 Web Mercator Auxiliary Sphere  
© Weld County Colorado

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**THIS MAP IS NOT TO BE USED FOR NAVIGATION**



### Legend

- Parcels
- Highway
- Railroad
- County Boundary
- Weld County

Existing parcel:  
LOT B RECX14-0149  
ACRES: 23 +/-

Proposed Lot B:  
ACRES: 7 +/-

(to be processed  
in conjunction  
with an  
amendment to  
RECX13-0120)

### Notes

2016



# AMENDED RECORDED EXEMPTION (RECX) APPLICATION

DEPARTMENT OF PLANNING SERVICES \* 1555 N. 17<sup>TH</sup> AVENUE\* GREELEY, CO 80631  
www.weldgov.com \* 970-353-6100 EXT 3540 \* FAX 970-304-6498

<b>FOR PLANNING DEPARTMENT USE:</b>		DATE RECEIVED:	<u>4/27</u>
AMOUNT \$	<u>180-</u>	CASE # ASSIGNED:	<u>RECX16-0073</u>
APPLICATION RECEIVED BY: <u>MH</u>		PLANNER ASSIGNED:	<u>Michael</u>

**Parcel Numbers:**

(12 digit number - found on Tax I.D. information, obtainable at the Weld County Assessor's map found at [www.weldgov.com](http://www.weldgov.com))

Lot A \_\_\_\_\_ Lot B 1 2 0 9 - 2 2 - 1 - 0 0 - 0 0 7

Lot C \_\_\_\_\_ Lot D \_\_\_\_\_

Legal Description PT NE4 22-3-67 Lot B Rec Exempt RECX14-0149, Section 22, Township 3 North, Range 61 West

Is the property located in a floodplain? YES  NO  Unknown

Is the property located in a geohazard area? YES  NO  Unknown

**FEE OWNER(S) OF THE PROPERTY:**

Name: Ulrich Family Investments LLLP

Company: \_\_\_\_\_

Phone #: (970) 785-2314 Email: rbeall@beallinvestments.com

Address: 14605 County Road 21

City/State/Zip Code: Platteville, CO 80651

**FEE OWNER (cont.) or APPLICANT:**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

**AUTHORIZED AGENT\*:**

Name: Kelsey Bruxvoort

Company: AGPROfessionals

Phone #: (970) 535-9318 Email: kbruxvoort@agpros.com

Address: 3050 67th Ave #200

City/State/Zip Code: Greeley, CO 80634

\*Authorization Form must accompany all applications signed by an Authorized Agent

	Lot A before	Lot A after	Lot B before	Lot B after	Lot C before	Lot C after	Lot D before	Lot D After
Proposed Use (Ag or Res)			Ag & Res	Res				
Proposed Acreage			23 +/-	7 +/-				
Address			14959	14959				

I (We) request that the above described property be designated a Amended Recorded Exemption by the Weld County Board of County Commissioners. I (We) hereby depose and state under penalties of perjury that all statements, proposals, and/or plans submitted with or contained within the application are true and correct to the best of my (our) knowledge. Signatures of all fee owners of property must sign this application. If an Authorized Agent signs, a letter of authorization from all fee owners must be included with the application. If a corporation is the fee owner, notarized evidence must be included showing the signatory has the legal authority to sign for the corporation.

Kelsey Bruxvoort  
Signature: Owner or Authorized Agent

4/26/16  
Date

\_\_\_\_\_  
Signature: Owner or Authorized Agent

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print: Owner or Authorized Agent

\_\_\_\_\_  
Print: Owner or Authorized Agent

\*If an Authorized Agent signs, a letter of authorization from all fee owners must be included with the application. If a corporation is the fee owner, notarized evidence must be included showing the signatory has the legal authority to sign for the corporation.



# Authorization Form

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**

December 2, 2014

To Whom It May Concern:

Ulrich Farms, Inc. is contracted with AGPROprofessionals for all permitting, planning, engineering and regulatory work relating to Ulrich Farms, Inc. AGPROprofessionals is authorized to represent and request the release of all records necessary on behalf of Ulrich Farms, Inc. We respectfully request that all correspondence be directed to AGPROprofessionals.

Sincerely,

  
Ken Ulrich

12-2-14  
Date



# **Amended Recorded Exemption Questionnaire**

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**

**AMENDED RECORDED EXEMPTION QUESTIONNAIRE**

**Prepared for Ulrich Family Investments LLLP**

**Amended Recorded Exemption Application Statement:**

This application to amend Recorded Exemption RECX14-0149 is intended to be processed in conjunction with the application to amend Recorded Exemption RECX13-0120.

- 1. Domestic/Potable water:** Describe the water supply and provide evidence of sufficient quality, quantity and dependability for all lots. A letter from a water district, municipality, or a well permit is examples of evidence of domestic/potable water. If utilizing a drinking water well include either the well permit number and/or the well permit application that was submitted to the State. If sharing a well a shared well agreement is required. If on public water include a letter from the Water District, a tap or meter number, or a copy of the water bill.

Lot B of REXC14-0149 Water Source: Industrial and Irrigation Well, WP#76133-F, and Central Weld County Water Tap, Tap #3045.

Amended Lot B Water Source: Industrial and Irrigation Well, WP#76133-F, and Central Weld County Water Tap, Tap #3045.

All existing well permits and tap agreements will remain with Amended Lot B of RECX14-0149. The amended Lot B will continue to use the Industrial and Irrigation Well, well permit WP#76133-F is included with this application. The existing Central Weld County Water District tap, Tap #3045, will remain with the amended Lot B and the tap fee agreement is included.

- 2. Irrigation water:** State the type and quantity of irrigation water to the site or when irrigation water has been removed from the site.

The well associated with WP#76133-F provides irrigation water to the site, well permit WP#76133-F is included with this application.

- 3. Adequate means for the disposal of sewage:** If utilizing an existing septic system provide the septic permit number. If there is not a permit due to the age of the existing system, apply for a septic permit/documentation through the Department of Public Health and Environment prior to submitting this application. If a new septic system will be installed, please state that a new septic system is proposed. A copy of the septic permit or a letter from the sewage disposal facility much accompany the application.

Lot B of REXC14-0149 sewage disposal: Individual Sewage Disposal System, SP-1100032

New Lot B sewage disposal: Individual Sewage Disposal Systems, SP-1100032

There is one (1) existing Individual Sewage Disposal System on Lot B of RECX14-0149 which will remain with the amended lot. Septic permit SP-1100032 is included with this application.

**4. Describe how the property is being used.**

The western portion of Lot B of RECX14-0149 contains a single family home while the eastern half is farmland.

**5. Describe the vehicular access to the new and existing lots?**

The vehicular access points will not change in intensity, use or location with the proposed lot boundary change. The amended Lot B will continue to achieve access off of WCR 21 and a copy of Access Permit AP13-00389 is included with this application.

**6. Describe the location, size, of the new lot(s).**

Lot B of RECX14-0149 is currently twenty-three (23) +/- acres and will be condensed to the west into a 7 acre +/- lot. The remaining sixteen acres will be incorporated into Lot B of RECX13-0120. An application to amend Lot B of RECX13-0120 shall be processed in conjunction with this application.

**7. Describe any unique physical characteristics on the site, if applicable such as rock outcroppings, hills, ditches.**

There is a pond in the northwestern corner and Beeman ditch runs along the southwestern edge of the property.

**8. Is there a business of Use by Special Review permit on the property? If YES, will it be vacated or remain on the Recorded Exemption lot(s)?**

There are no USR permits on the property.

yes there are → USR13-0069

Mineral Res. Dev. Fac &

O & G support & service → 2 water depots



# **Access Permit**

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**

# WELD COUNTY ACCESS PERMIT

Weld County Public Works Dept.  
1111 H Street  
P.O. Box 758  
Greeley, CO 80632



Phone: (970) 304-6496  
After Hours: (970) 356-4000  
Emergency Services: (970) 304-6500 x 2700  
Inspection: (970) 304-6480

**Permit Number: AP13-00389**

Issuance of this permit binds applicant and its contractors to all requirements, provisions, and ordinances of Weld County, Colorado.

Project Name:

Expiration date: 05/04/2014

**Applicant Information:**

Name: Tim Naylor  
Company: AgPROfessionals  
Phone: 970-535-9318  
Email: tnaylor@agpros.com

**Property Owner Information:**

Name: — — —  
Company: Ulrich Farms Inc  
Phone: 970-785-2314  
Email:

**Location:**

Access is on WCR: 21  
Nearest Intersection WCR: 21 & WCR: Hwy66  
Distance From Intersection: 4080  
Number of Existing Accesses: 2

**Proposed Use:**

Temporary:  
Single Residential:   
Industrial:  
Small Commercial:  
Oil & Gas:   
Large Commercial:  
Subdivision:  
Field (Agricultural Only)/Exempt:

**Planning Process:** Other PRE13-0167

**Road Surface Type & Construction Information:**

Road Surface: Asphalt  
Culvert Size & Type:

Start Date: Finish Date: 05/04/2014

Materials to Construct Access:

**Required Attached Documents Submitted:**

Traffic Control Plan: Certificate of Insurance: Access Pictures:

A copy of this permit must be on site at all times during construction hours  
Daily work hours are Monday through Friday DAYLIGHT to ½ HOUR BEFORE DARK (applies to weekends if approved)  
Approved MUTCD traffic control/warning devices are required before work begins and must remain until completion of work

**Special Requirements or Comments**

Parcel 120900100054. Utilize existing access points to CR 21, 1-Residential, 3-O&G.

Approved by:

A handwritten signature in black ink, appearing to read "Morgan Gilbert".

Digitally signed by Morgan Gilbert  
DN: dc=US, dc=CO, dc=WELD,  
dc=CO, ou=Weld County,  
ou=Sheriff Office, ou=Users,  
cn=Morgan Gilbert  
Date: 2013.12.12 10:56:25 -0700

Weld County Public Works

Date: 12/12/2013







# **Proof of Water**

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**

TAP FEE AGREEMENT

THIS AGREEMENT, made and entered into this 10 day of Aug, 2011,  
by and between the CENTRAL WELD COUNTY WATER DISTRICT, hereinafter called the District, and  
Ulrich Farms, Inc. hereinafter called Customer, WITNESSETH:

WHEREAS, District has been organized as a legal body and is known as the Central Weld County  
Water District, and

WHEREAS, Customers are taxpaying electors within said District, or desiring to join said District, or  
\_\_\_\_\_ and,

WHEREAS, Customers are desirous of acquiring one water tap of 5/8 inches in diameter from the  
said District,

NOW, THEREFORE, in consideration of the premises and the terms of this agreement, it is mutually  
agreed as follows:

1. Customer agrees to pay the tap fee of \$ 20,500.00  
Twenty Thousand, Five Hundred and no/100 Dollars.

2. The description of the premises for which this tap is being purchased is as follows:

NE 1/4 Section 22, Township 3 North, Range 67 West of the 6<sup>th</sup> P.M., County of Weld, State of  
Colorado.

3. This agreement, when approved by the Board of Directors, shall become a legal and binding  
contract upon all parties hereto.

4. Customer further agrees to execute any and all easements needed by District at no expense to  
District, across Customer's property for the purpose of installing the District's service line and meter pit  
constructed by District. District shall be responsible for restoring surface area back to reasonable condition  
at District cost.

5. It is further mutually agreed that this agreement shall extend to and be binding upon the heirs,  
executors, administrators and assigns of the parties hereto.

6. Customer further agrees to the following special provisions:

N/A

7. Customer further agrees to abide by the rates established and the rules and regulations of the  
District.

IN WITNESS WHEREOF, the parties hereto have hereunto and hereunder set their signatures the day  
and year first hereinabove written.

CUSTOMER SIGNATURE  
(Property Owner)

Ulrich Farms Inc.

Kenneth Ulrich  
Kenneth Ulrich  
Authorized Representative

CENTRAL WELD COUNTY WATER DISTRICT

BY [Signature]  
ATTEST [Signature]



April 17, 1969  
ACTIVE TAPS

Tap No. 812

TAP FEE AGREEMENT

THIS AGREEMENT, made and entered into this 24 day of October, 1973, by and between the CENTRAL WELD COUNTY WATER DISTRICT, hereinafter called the District, and Kenneth Ulrich and \_\_\_\_\_ hereinafter called Customer, WITNESSETH:

WHEREAS, District has been organized as a legal body and is known as the Central Weld County Water District, and

WHEREAS, Customers are taxpaying electors within said District, or desiring to join said District, or \_\_\_\_\_ and,

WHEREAS, Customers are desirous of purchasing one water tap of 5/8" inches in diameter from the said District,

NOW, THEREFORE, in consideration of the premises and the terms of this agreement, it is mutually agreed as follows:

1. Customer agrees to pay the plant investment fee of \$ 700.00.  
Seven hundred and no/100 Dollars.

2. In the event it is not economically feasible to extend the water to the property line of Customer, which matter is in the entire discretion of District, then all sums paid hereunder shall be returned to Customer and the agreement shall be null and void.

3. The description of the premises for which these taps are being purchased is as follows:

~~XXXXXXXXXXXXXXXXXXXX~~

A portion of the NE1/4: Section 22, Township 3 North, Range 67 West of 6th P.M.

4. This agreement, when approved by the Board of Directors, shall become a legal and binding contract upon all parties hereto.

5. Customer further agrees to execute any and all easements needed by District at no expense to District, across Customer's property for the purpose of installing any pipelines constructed by District. District shall be responsible for restoring surface area back to reasonable condition at District cost.

6. It is further mutually agreed that this agreement shall extend to and be binding upon the heirs, executors, administrators and assigns of the parties hereto.

7. Customer further agrees to the following special provisions:

8. Customer further agrees to abide by the rates established and the rules and regulations of the District.

IN WITNESS WHEREOF, the parties hereto have hereunto and hereunder set their signatures the day and year first hereinabove written

CUSTOMER SIGNATURE  
(Property Owner)

Kenneth Ulrich  
Kenneth Ulrich

CENTRAL WELD COUNTY WATER DISTRICT

BY Paul Hoshiko, Jr.

Paul Hoshiko, Jr., Chairman

ATTEST Harry Andrews

Harry Andrews, Secretary

P.

Form No.  
GWS-25

**OFFICE OF THE STATE ENGINEER**  
**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 868-3581

EXST

WELL PERMIT NUMBER 76133 -F-  
DIV. 1 WD2 DES. BASIN MD

APPLICANT

ULRICH FARMS INC  
14605 WELD COUNTY ROAD 21  
PLATTEVILLE, CO 80651-

APPROVED WELL LOCATION

WELD COUNTY  
NE 1/4 NE 1/4 Section 22  
Township 3 N Range 67 W Sixth P.M.

DISTANCES FROM SECTION LINES

190 Ft. from North Section Line  
950 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

(970) 785-2314

CHANGE/EXPANSION OF USE OF AN EXISTING WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

Page 1 of 2

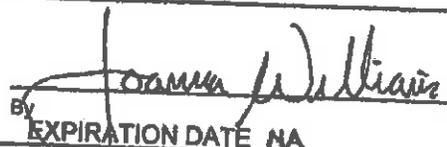
CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-137(2) for the change/expansion of use of an existing well, constructed under permit no. 75602-F. Upon issuance of this permit, permit no. 75602-F shall be cancelled by Order of the State Engineer.
- 4) Approved on the condition that this well is operated in accordance with the Amended Ulrich Farms, Inc. substitute water supply plan approved by the State Engineer on June 7, 2012. This well shall not be operated unless it is included in a substitute water supply plan approved by the State Engineer or a plan for augmentation approved by the water court. The subject water supply plan is currently valid through September 30, 2012, and if not extended or if a court approved plan for augmentation is not in operation, diversion of ground water from this well must cease immediately.
- 5) The use of ground water from this well is limited to recreation, fish and wildlife, piscatorial, irrigation of up to 5 acres, pond filling, industrial, equipment washing, oil and gas exploration, development, reclamation, and dust suppression purposes in Larimer, Weld, Boulder, Jefferson, Broomfield, Morgan, Adams, Arapahoe, Douglas, Elbert and El Paso Counties.
- 6) The pumping rate of this well shall not exceed 3 cfs under the Ulrich Fish Pond Well right and 600 gpm (1.34 cfs) under the Ulrich Fish Pond Well Industrial Right.
- 7) The average annual amount of ground water to be appropriated shall not exceed 979 acre-feet, or the quantity covered under an approved substitute water supply plan or a court approved plan for augmentation, whichever is less.
- 8) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- 9) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 10) This well shall be located at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant, excluding API 05-123-20819 (spacing waivers submitted by the well owners).
- 11) This well shall be not more than 200 feet from the location specified on this permit and not more than 200 feet from the location decreed for Ulrich Fish Pond Well Industrial Right in case no. 12CW90 (decreed location is 190 feet from the north section line and 950 feet from the east section line).

APPROVED  
SKR

  
State Engineer

DATE ISSUED 06-07-2012

  
By EXPIRATION DATE NA

Receipt No. 3654859

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT  
**CONDITIONS OF APPROVAL**

- 12) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.

**Brucker, Sarah**

---

**From:** Rachel Kullman [rachel@clearwatercolorado.com]  
**Sent:** Thursday, June 07, 2012 9:54 AM  
**To:** Brucker, Sarah  
**Subject:** Ulrich well permits

Hi Sarah –

The annual amounts to be withdrawn for Ulrich's two well permit applications are as follows:

- Ulrich Well No. 133 Industrial Right = 2190 AF
- Ulrich Fish Pond Well Industrial Right = 979 AF

These amounts are consistent with the water court application submitted in Case No. 12CW090.

Thanks,  
Rachel

Rachel Kullman, P.E., *Water Resource Engineer*  
Clear Water Solutions  
(T) 970.631.6070  
(F) 970.223.3763  
[www.clearwatercolorado.com](http://www.clearwatercolorado.com)

COLORADO DIVISION OF WATER RESOURCES  
 DEPARTMENT OF NATURAL RESOURCES  
 1313 SHERMAN ST, RM 818, DENVER, CO 80203  
 phone - info: (303) 866-3587 main: (303) 866-3581  
 fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only

Form GWS-45 (07/2008)

RECEIVED

MAY 04 2012

WATER RESOURCES  
 STATE ENGINEER  
 COLO.

**GENERAL PURPOSE**

**Water Well Permit Application**

Review instructions on reverse side prior to completing form.  
 The form must be completed in black or blue ink or typed.

**1. Applicant Information**

Name of applicant

Ulrich Farms, Inc.  
 Mailing address  
 14605 Weld County Road 21

City  
 Platteville

State CO Zip code 80651

Telephone #  
 (970) 785-2314

E-mail (Optional)

**2. Type Of Application (check applicable boxes)**

- Construct new well
- Replace existing well
- Use existing well
- Change or increase use
- Change source (aquifer)
- Reapplication (expired permit)
- COGCC well
- Other:
- Dewatering System
- Geothermal ( production or  reinjection)
- Other (describe): See Attachment A

**3. Refer To (if applicable)**

Well permit #  
 75602

Water Court case #  
 11CW122&12CWXXX

Designated Basin Determination #

Well name, or #  
 Ulrich Fish Pond Well Indus. Rt.

**4. Location Of Proposed Well (Important! See Instructions)**

County  
 Weld

Section 22 Township 3 N or S   Range 67 E or W   Principal Meridian 6th

Distance of well from section lines (section lines are typically not property lines)  
 190 Ft. from  N  S 950 Ft. from  E  W

For replacement wells only - distance and direction from old well to new well  
 feet direction

Well location address (include City, State, Zip)  Check if well address is same as in Item 1

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM  
 Zone 12 or  Zone 13  
 Units must be Meters  
 Datum must be NAD83  
 Unit must be set to true north  
 Was GPS unit checked for above?  YES Remember to set Datum to NAD83

**5. Parcel On Which Well Will Be Located (YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)**

A. Legal Description (may be provided as an attachment)

See Attachment B - Quitclaim Deed.

B. # of acres in parcel

C. Owner  
 Ulrich Farms, Inc.

D. Will this be the only well on this parcel?  YES  NO (if no - list other wells)

E. State Parcel ID# (optional):

**6. Use Of Well (check applicable boxes)**

Attach a detailed description of uses applied for.

- Industrial
- Municipal
- Irrigation
- Commercial
- Dewatering System
- Geothermal ( production or  reinjection)
- Other (describe): See Attachment A

**7. Well Data (proposed)**

Maximum pumping rate 600 gpm Annual amount to be withdrawn  
 Total depth 83 feet Aquifer South Platte alluvium acre-foot

**8. Land On Which Ground Water Will Be Used**

Legal Description (may be provided as an attachment):

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

- A. # Acres
- B. Owner
- C. List any other wells or water rights used on the land:

**9. Proposed Well Driller License #(optional):**

**10. Signature Of Applicant(s) Or Authorized Agent**

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.  
 Sign here (MUST be original signature)

Signature: Kenneth Ulrich - Pres Date: 5-4-12  
 Print name & title

**Office Use Only**

USGS map name DWR map no Surface elev

Receipt area only

3654889

AQUAMAP  
 WE  
 WR  
 CWCS  
 TOPO  
 MYLAR  
 SBS

DN 1 WD 2 BA MD

**COLORADO DIVISION OF WATER RESOURCES**  
**DEPARTMENT OF NATURAL RESOURCES**  
 1313 SHERMAN ST, RM 818, DENVER, CO 80203  
 phone - info: (303) 866-3587 main: (303) 866-3581  
 fax: (303) 866-3589 http://www.water.state.co.us

Office Use Only Form GWS-45 (07/2009)

**RECEIVED**  
  
**APR 16 2012**  
  
 WATER RESOURCES  
 STATE ENGINEER  
 COLO.

**GENERAL PURPOSE**  
**Water Well Permit Application**

Review instructions on reverse side prior to completing form.  
 The form must be completed in black or blue ink or typed.

**1. Applicant Information**

Name of applicant  
 Ulrich Farms, Inc.  
 Mailing address  
 14605 Weld County Road 21  
 City  
 Platteville State CO Zip code 80651  
 Telephone # (970) 785-2314  
 E-mail (Optional)

**6. Use Of Well (check applicable boxes)**

Attach a detailed description of uses applied for.  
 Industrial  Dewatering System  
 Municipal  Geothermal ( production or  reinjection)  
 Irrigation  Other (describe): See Attachment A  
 Commercial

**2. Type Of Application (check applicable boxes)**

Construct new well  Change source (aquifer)  
 Replace existing well  Reapplication (expired permit)  
 Use existing well  COGCC well  
 Change or increase use  Other

**7. Well Data (proposed)**

Maximum pumping rate 600 gpm Annual amount to be withdrawn  
 Total depth 83 feet  
 Aquifer South Platte alluvium

**3. Refer To (if applicable)**

Well permit # 75602 Water Court case # 11CW122  
 Designated Basin Determination # Well name or #

**8. Land On Which Ground Water Will Be Used**

Legal Description (may be provided as an attachment)  
 (If used for crop irrigation, attach a scaled map that shows irrigated area.)  
 A. # Acres B. Owner  
 C. List any other wells or water rights used on this land

**4. Location Of Proposed Well (Important! See instructions)**

County Weld  
 Section 22 Township 3 N or S Range 67 E or W Principal Meridian NE 1/4 of the NE 1/4  
 Distance of well from section lines (section lines are typically not property lines)  
 190 Ft from  N  S 950 Ft from  E  W  
 For replacement wells only - distance and direction from old well to new well  
 feet direction  
 Well location address (Include City, State, Zip)  Check if well address is same as in Item 1

**9. Proposed Well Driller License #(optional):**

**10. Signature Of Applicant(s) Or Authorized Agent**  
 The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.  
 Sign here (Must be original signature) Date 4-6-12

*Kenneth Ulrich*  
 Print name & title  
 Kenneth Ulrich - Pres.

**Office Use Only**

USGS map name 75602-H Receipt area only  
 DWR map no Surface elev

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows

Formal must be UTM  
 Zone 12 or  Zone 13  
 Units must be Meters Easting \_\_\_\_\_  
 Datum must be NAD83 Northing \_\_\_\_\_  
 Unit must be set to true north  
 Was GPS unit checked for above?  YES Remember to set Datum to NAD83

**5. Parcel On Which Well Will Be Located (YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)**

A. Legal Description (may be provided as an attachment)  
 See Attachment B - Quitclaim Deed.  
 B. # of acres in parcel C. Owner Ulrich Farms, Inc.  
 D. Will this be the only well on this parcel?  YES  NO (if no - list other wells)  
 E. State Parcel ID# (optional)

Transaction #: 3854859  
 Date: 4/16/2012 1:51:07 PM  
 Transaction Total: \$100.00  
 CHECK #5018 \$100.00

AQUAMAP  
 WE  
 WR  
 CWCB  
 TORO  
 MYLAR  
 SRS

DN 1 WD 2 BA MD

**Attachment A**  
**Use of Well – Permit No. 75602-F**

**Irrigation**  
**Recreation**  
**Fish & Wildlife**  
**Piscatorial**  
**Industrial**  
**Equipment Washing**  
**Oil & gas exploration & development**  
**Dust Suppression**

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**APR 16 2012**  
**WATER RESOURCES**  
**STATE ENGINEER**  
**COLO.**

BOOK 695

Recorded at 10:00 AM

JUL 11 1973

Exception No. 1617104

APR 30 1973

Recorder

2.00M  
9  
1011617104  
00068 1811617104  
11-15

JOHNNIE ULRICH

whose address is Rt. 2, Box 35, Platteville,

County of Weld, and State of

Colorado, for the consideration of other valuable

considerations and Ten Dollars, in hand paid,

herely sell(s) and quit claim(s) to ULRICH FARMS, INC.,

a Colorado corporation,

whose address is Rt. 2, Box 35, Platteville,

County of Weld, and State of Colorado,

property, in the County of Weld, and State of Colorado, to wit:

The Northeast Quarter (NE $\frac{1}{4}$ ) of Section Twenty-two (22), Township Three (3) North, Range Sixty-seven (67) West of the Sixth P.M., Weld County, Colorado, together with three (3) shares of The Besman Irrigating Ditch and Milling Company,

Ulrich Farms, Inc.  
1011617104

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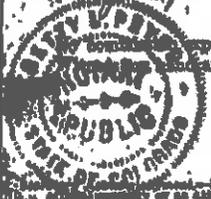
with all its appurtenances

Signed this 10th day of July 1973

*Johnnie Ulrich*  
Johnnie Ulrich

STATE OF COLORADO,  
County of Weld

The foregoing instrument was acknowledged before me this 10th day of July, 1973, by Johnnie Ulrich.



Witness my hand and official seal Aug. 3, 1973

*Joseph L. Pappas*  
Notary Public

Best Copy Available

OFFICE OF THE STATE ENGINEER, STATE OF COLORADO

---

NOTICE OF A WATER WELL PERMIT APPLICATION

---

IN THE MATTER OF AN APPLICATION TO USE AN EXISTING WELL LOCATED LESS THAN 600 FEET FROM EXISTING WELLS

APPLICANT: ULRICH FARMS, INC

APPLICATION RECEIPT NO. 3654859

---

To:  Noble Energy Inc

On May 4, 2012, Ulrich Farms, Inc. submitted an application (receipt no. 3654859) to use an existing well. The subject well is located in the NE $\frac{1}{4}$  of the NE $\frac{1}{4}$  of Section 22, Township 3 North, Range 67 West of the 6<sup>th</sup> P.M. in Weld County, Colorado, at a point 190 feet from the north section line and 950 feet from the east section line. Information available to this office has shown that the proposed well location is less than 600 feet from existing wells. Pursuant to 37-90-137(2), C.R.S., the requested permit cannot be issued by the State Engineer unless the State Engineer finds, after a hearing, that circumstances in this particular instance so warrant. That statute also provides that if the State Engineer notifies the owners of all wells within 600 feet of the proposed well by certified mail and receives no response within the time set forth in the notice, no hearing shall be required.

The entity listed above has been identified as the owner of record of an existing well (API 05-123-20619) located within 600 feet of the subject well. Notice of the application for the proposed well permit is hereby provided pursuant to 37-90-137(2)(b), C.R.S., and a copy of the permit application is attached as Exhibit A. Anyone objecting to the issuing of a permit to construct the subject well must submit a written response to this notice not later than 5:00 p.m. on June 5<sup>th</sup>, 2012. Such response should contain a brief and plain statement of the reasons why the State Engineer should not grant a permit for the subject well. If responding, please direct correspondence to Sarah Brucker and reference the above receipt number. A copy of the response should be provided to the applicant.

The Division of Water Resources is sending this notice because it is required by state statute. The Division of Water Resources is not sending this notice due to a perceived potential for injury or effect on your well that would result from the issuance of the proposed well permit. If you object to the issuance of a permit in this application, you must formally participate in a hearing before the Hearing Officer for the State Engineer. In such a hearing, the Hearing Officer makes his decision based only on the evidence formally presented to him before and during the proceeding. Therefore, to participate in the hearing, you must formally file documents, exhibits and you must testify before the Hearing Officer. Objections from anyone who does not own an existing well located within 600 feet of the proposed well location will not be considered.

If you do not wish to participate in any hearing that might result in this matter, or have previously signed a 600-foot well spacing waiver statement, no response is necessary.

Dated this 16<sup>th</sup> day of May, 2012.



---

Dick Wolfe, Director/State Engineer  
1313 Sherman Street, Room 818  
Denver, CO 80203  
Telephone: (303) 866-3581  
Facsimile: (303) 866-3589

By:



---

Sarah Brucker, P.E.  
Water Resources Engineer

Cc: Division Engineer, Division 1  
Ulrich Farms, Inc.

Attachment: Exhibit A

I hereby certify that I have duly served the within NOTICE OF A WATER WELL PERMIT APPLICATION upon all parties herein by depositing copies of the same in the United States mail, postage prepaid, at Denver, Colorado, this 16<sup>th</sup> day of May, 2012, addressed as follows:

Division Engineer, Division 1  
Division of Water Resources  
810 9<sup>th</sup> Street, Suite 200  
Greeley, CO 80631  
(Interoffice mail)

Ulrich Farms, Inc.  
14605 Weld County Road 21  
Platteville, CO 80651

Noble Energy Inc.  
Attn: Ms. Judy Throneberry  
1625 Broadway, Ste. 2200  
Denver, CO 80202  
(API 05-123-20619)  
CERTIFIED MAIL: 7004 0550 0001 0704 2977

  
\_\_\_\_\_

SENDER, COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:  
 Noble Energy Inc.  
 Attn: Ms. Tidy Thaneberry  
 1625 Broadway, Ste 2200  
 Denver CO 80202

2. Article Number  
 (Transfer from service label)

7004 0550 0001 0704 2977

PS Form 3811, February 2004

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature  
*[Signature]*  Agent  Addressee

B. Received by (Printed Name)  
*Kangel* C. Date of Delivery  
 5-18-12

D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

MAY 21 2012  
 WATER RESOURCES  
 STATE ENGINEER  
 2310

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

102905-02-04-1540

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JUN 01 2012

WATER RESOURCES  
STATE ENGINEER  
COLO.

GWS-38 600 FOOT WELL SPACING STATEMENT

I (we) Noble Energy, Inc. state as follows:

1. I (we) own real property described as N/A in the     1/4 of the     1/4, Section    , Township    , Range    ,     P.M.,     County, Colorado. We own the right and easement to the following well:

Permit #	1/4	1/4	Sec.	Twp.	Rng.	Actual Distance from N/S Sec. Line	Actual Distance from E/W Sec. Line
<u>API 05-123-20619</u>	<u>NE</u>	<u>22</u>	<u>3N</u>	<u>67W</u>	<u>   </u>	<u>   </u> ft.	<u>   </u> ft.

2. I (we) have been apprised that Ulrich Farms, Inc., the present owners of a parcel of land in the NE 1/4 of the NE 1/4, Section 22, Township 3N, Range 67W, 6th P.M., desire to drill a new well or extend the use of an existing well. I (we) also understand that the purpose of such well is set forth in the well permit application, and that I (we) have reviewed the application that was submitted to the State Engineer and receipted by him under receipt no. 3654859.

3. The proposed location for the subject well will be 600 feet or less from my (our) well.

4. By this statement I (we) am (are) specifically waiving any objection to the issuance of a well permit for the subject well, as set forth in the referenced application, and would request that permit issuance not be postponed or denied because of any concerns by the Division or others that the proposed well will materially affect my (our) well or water right. I (we) am (are) also specifically waiving my (our) right I (we) may have to participate in a hearing before the State Engineer pursuant to Section 37-90-137(2), C.R.S.

Dated this 25 day of MAY, 2012

Noble Energy, Inc. DD 5/25/12

[Signature]

Form No.  
GWS-25

**OFFICE OF THE STATE ENGINEER**  
**COLORADO DIVISION OF WATER RESOURCES**  
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203  
(303) 866-3581

LIC

WELL PERMIT NUMBER		75602	-F
DIV. 1	WD 2	DES. BASIN	MD

APPLICANT

ULRICH FARMS INC  
C/O LAWRENCE JONES CUSTER GRAS  
5245 RONALD REAGAN BLVD STE 1  
JOHNSTOWN, CO 80534-

(970) 622-8181

APPROVED WELL LOCATION

WELD COUNTY  
NE 1/4 NE 1/4 Section 22  
Township 3 N Range 67 W Sixth P.M.

DISTANCES FROM SECTION LINES

190 Ft. from North Section Line  
950 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: Northing:

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-137(2) on the condition that this well is operated in accordance with the Ulrich Farms substitute water supply plan approved by the State Engineer on October 12, 2011. This well shall not be operated unless it is included in a substitute water supply plan approved by the State Engineer or a plan for augmentation approved by the water court. The subject water supply plan is valid through September 30, 2012, and if not extended or if a court approved plan for augmentation is not in operation, diversion of ground water from this well must cease immediately.
- 4) The use of ground water from this well is limited to irrigation, recreation, fish & wildlife and piscatorial.
- 5) The pumping rate of this well shall not exceed 450 GPM.
- 6) The annual amount of ground water to be appropriated shall not exceed 250 acre-feet (as requested) or the annual amount of ground water to be withdrawn through this well shall be limited to the quantity approved under the substitute water supply plan or court approved augmentation plan, whichever is less.
- 7) The owner shall mark the well in a conspicuous place with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.
- 8) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Division Engineer upon request.
- 9) This well shall be located at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.
- 10) This well shall be located not more than 200 feet from the location specified on this permit.
- 11) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.

JMW 10/13/11

APPROVED  
JMW

*Dirk Wolfe*  
State Engineer

*Joanna Williams*  
By

Receipt No. 3651713

DATE ISSUED 10-13-2011

EXPIRATION DATE 10-13-2012

COLORADO DIVISION OF WATER RESOURCES  
 DEPARTMENT OF NATURAL RESOURCES  
 1313 SHERMAN ST, RM 818, DENVER, CO 80203  
 phone - info: (303) 866-3587 main: (303) 866-3581  
 fax: (303) 866-3569 http://www.water.state.co.us

Office Use Only

11 Div 1

Form GWWS-45 (07/2009)

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 STATE ENGINEER  
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**GENERAL PURPOSE**  
**Water Well Permit Application**

Review instructions on reverse side prior to completing form.  
 The form must be completed in black or blue ink or typed.

**1. Applicant Information**

Name of applicant  
 Ulrich Farms, Inc.

Mailing address c/o F. Andrew Jones, Lawrence Jones Custer Graemick  
 5245 Ronald Reagan Blvd., Suite 1

City Johnstown State CO Zip code 80534

Telephone # (970) 622-8181 E-mail (Optional) paj@ljcgllaw.com

**2. Type Of Application (check applicable boxes)**

- Construct new well
- Replace existing well
- Use existing well
- Change or increase use
- Change source (aquifer)
- Reapplication (expired permit)
- COGCC well
- Other:

**3. Refer To (if applicable)**

Well permit # \_\_\_\_\_ Water Court case #  
 See Attachment A - Application 11647122  
 Designated Basin Determination # \_\_\_\_\_ Well name or # \_\_\_\_\_

**4. Location Of Proposed Well (Important! See Instructions)**

County Weld NE 1/4 of the NE 1/4  
 Section 22 Township 3 N or S Range 57 E or W Principal Meridian 6th

Distance of well from section lines (section lines are typically not property lines)  
 Ft. from  N  S Ft. from  E  W

For replacement wells only - distance and direction from old well to new well  
 feet direction

Well location address (include City, State, Zip)  Check if well address is same as in Item 1.  
 14605 Cnty. Rd. 21, Platteville, CO 80651

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM  
 Zone 12 or  Zone 13  
 Units must be Meters  
 Datum must be NAD83  
 Unit must be set to true north  
 Was GPS unit checked for above?  YES Remember to set Datum to NAD83

**5. Parcel On Which Well Will Be Located (YOU MUST ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)**

A. Legal Description (may be provided as an attachment):  
 See Attachment B - Quitclaim Deed

B. # of acres in parcel C. Owner  
 Ulrich Farms, Inc.

D. Will this be the only well on this parcel?  YES  NO (if no - list other wells)

E. State Parcel ID# (optional):

**6. Use Of Well (check applicable boxes)**

- Attach a detailed description of uses applied for.
- Industrial  Dewatering System
  - Municipal  Geothermal ( production or  reinjection)
  - Irrigation  Other (describe): recreation, fish & wildlife, piscatorial
  - Commercial

**7. Well Data (proposed)**

Maximum pumping rate \_\_\_\_\_ gpm Annual amount to be withdrawn \_\_\_\_\_ acre-feet  
 Total depth \_\_\_\_\_ feet Aquifer \_\_\_\_\_

**8. Land On Which Ground Water Will Be Used**

Legal Description (may be provided as an attachment):

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

A. # Acres B. Owner

C. List any other wells or water rights used on this land:

**9. Proposed Well Driller License #(optional):**

**10. Signature Of Applicant(s) Or Authorized Agent**

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 244-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign here (Must be original signature) \_\_\_\_\_ Date 7/29/11

Print name & title  
 Kenneth Ulrich

**Office Use Only**

USGS map name \_\_\_\_\_ DWR map no. \_\_\_\_\_ Surface elev. \_\_\_\_\_

Receipt area only

600' ✓  
 per conversation with Ken Ulrich the requested pumping rate is 450 GPM and requested withdrawal is 250 AF

Transaction #: 3651713  
 Date: 8/3/2011 2:41:24 PM  
 Transaction Total: \$100.00  
 CHECK #3492 \$100.00

AQUAMAP WE WR CWCB TOPO MYLAR SRS

DIV 1 WD 2 BA MD

r 190NSL, 950 ESL (see attached)

L 450 GPM, 250 AF

BOOK 695  
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JUL 11 1973  
ANN SPONER  
Recorder

Recorded at 10 of 10 M. JUL 11 1973  
Reception No. 1617104 ANN SPONER Recorder

JOHNNIE ULRICH

whose address is Rt. 2, Box 35, Platteville,  
County of Weld, and State of  
Colorado, for the consideration of other valuable  
considerations and Ten -----Dollars, in hand paid,  
hereby sell(s) and quit claim(s) to ULRICH FARMS, INC.,  
a Colorado corporation,  
whose address is Rt. 2, Box 35, Platteville.

Attachment B  
Ulrich Farms, Inc.  
Water Permit App

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County of Weld, and State of Colorado, the following real  
property, in the County of Weld, and State of Colorado, to wit:

The Northeast Quarter (NE $\frac{1}{4}$ ) of Section Twenty-two (22), Township Three  
(3) North, Range Sixty-seven (67) West of the Sixth P.M., Weld County,  
Colorado, together with three (3) shares of The Beeman Irrigating Ditch  
and Milling Company,

Best Copy Available

with all its appurtenances

Signed this 10th day of July, 1973.  
Johnnie Ulrich  
Johnnie Ulrich

STATE OF COLORADO,  
County of Weld

The foregoing instrument was acknowledged before me this 10th  
day of July, 1973, by Johnnie Ulrich.



My commission expires Aug. 3, 1974  
Lois L. Pryor  
Notary Public

Notary Public Seal - If by natural person or persons here insert name of natural person or persons; if by person acting in representative or fiduciary capacity, or as attorney-in-fact, then insert name of person as agent, attorney-in-fact or other capacity or description; if by officer or officers of a corporation, then insert name of such officer or officers, as the president or other officers of such corporation.

No. 1617104

QUIT CLAIM DEED

TO

STATE OF COLORADO

County of *Jefferson*

I hereby certify that this instrument was filed

for record in my office, at 10:15

o'clock P.M., JUL 11 2008

and is duly recorded in book 695

Page \_\_\_\_\_

Filed No. \_\_\_\_\_

*Ann Spencer*

By *Quinn M. Carter*

*John J. Johnson*

**JAKOWSKI, WITWER & OGDENBORG**

ATTORNEYS AT LAW

SUITE 315 8th & 8th Bldg. - 724 8th ST.

GREELEY, COLORADO 80631

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Attachment A  
Ulrich Farms, Inc.  
Weld Permit App

WATER RESOURCES  
STATE ENGINEER  
COLO

DISTRICT COURT, WATER DIVISION NO. 1, COLORADO 9 <sup>th</sup> Street & 9 <sup>th</sup> Avenue P. O. 2038 Greeley, CO 80632	FILED Document - District Court 2011cw122 CO Weld County District Court 19th JB Filing Date: Jul 29 2011 3:20PM MDT Filing ID: 38997907
CONCERNING THE APPLICATION FOR WATER RIGHTS OF:	
ULRICH FARMS, INC	
IN WELD COUNTY	Case No.
P. Andrew Jones, #29076 Lawrence Jones Custer Grasmick LLP 5245 Ronald Reagan Blvd., Suite I Johnstown, CO 80534 Telephone: (970) 622-8181 <a href="mailto:paj@ljcgllaw.com">paj@ljcgllaw.com</a>	Courtroom
<b>APPLICATION FOR WATER RIGHTS, CHANGE OF WATER RIGHTS, ADJUDICATION OF CONDITIONAL AND ABSOLUTE APPROPRIATIVE RIGHTS OF EXCHANGE, AND FOR APPROVAL OF PLAN OF AUGMENTATION</b>	

1. Name, Address and Telephone Number of Applicant:

Ulrich Farms, Inc.  
14605 Weld Cty Road 21  
Platteville, CO 80651  
(970) 785-2314

**APPLICATION FOR WATER RIGHTS**

2. Name of New Right: Ulrich Farms Recharge Right.

2.1. Source and Point of Diversion. The Ulrich Farms Recharge Right will be diverted from the South Platte River into the river headgate shared by the Beeman Ditch and the Meadow Island No. 2 Ditch, located in the Northwest Quarter of Section 1, Township 2 North, Range 67 West of the 6<sup>th</sup> P.M. The water so diverted will be delivered down the Beeman Ditch to the following recharge site:

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Ulrich Farms Inc

2011CW

Application

Page 2

AUG 03 2011

WATER RESOURCES  
STATE ENGINEER  
COLD

- 2.1.1. Ulrich Feedlot Recharge Site
  - 2.1.1.1. Legal Description of Location: In the Southeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the Sixth P.M.
  - 2.1.1.2. Surface Area at High Water Line: 2.5 acres.
  - 2.1.1.3. Amount Claimed: 16 acre feet, conditional, with right to fill and refill in priority.
  - 2.1.1.4. Aquifer Parameters: X=5,443 ft; W=17,024 ft; Harmonic T=109,105 gpd/ft; S=0.2
  - 2.1.1.5. Location of Accretions (for purposes of administration): South Platte River, in the Northeast Quarter of the Northeast Quarter of Section 23, Township 3 North, Range 67 West of the 6<sup>th</sup> P.M.
- 2.1.2. Additional Sites. Applicant seeks a decree that allows the addition of recharge sites served by the Ulrich Farms, LLC Recharge Right without need of further water court application.
- 2.2. Date of appropriation: July 7, 2011.
- 2.3. How appropriation was initiated: Formation of intent to appropriate water to a beneficial use, engineering analysis, diversion of water to recharge site, filing of this application.
- 2.4. Amount Claimed: 6.3 c.f.s., absolute.
- 2.5. Use of Accretions: Augmentation, replacement and exchange. Augmentation uses may include assignment to and use in the Central Colorado Water Conservancy District Augmentation Plans decreed in 02CW335 and 03CW99.
3. Name of New Right: Ulrich Fish Pond Well.
  - 3.1. Source and Point of Diversion. The Ulrich Fish Pond Well will be located in the Northeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the Sixth P.M.
  - 3.2. Date of appropriation: August 1, 2011.
  - 3.3. How appropriation was initiated: Formation of intent to appropriate water to a beneficial use, engineering analysis, filing of this application.

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WATER RESOURCES  
STATE ENGINEER  
COLORADO

Ulrich Farms Inc  
2011CW  
Application  
Page 3

- 3.4. Amount Claimed: 3 c.f.s., conditional.
  - 3.5. Uses: Recreation, fish and wildlife, piscatorial, irrigation of up to 5 acres in Northeast Quarter of Section 22, Township 3 North, Range 67 West of the Sixth P.M. The Fish Pond Well will be the sole supply for the Ulrich Fish Pond, a 20 acre foot storage facility in the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the Sixth P.M. The Fish Pond Well will fill the Ulrich Fish Pond and provide flows to offset evaporative and seepage losses and to maintain an environment conducive to the proposed fish and wildlife, recreation, and piscatorial uses. Applicant may make the irrigation use directly from the Fish Pond Well or after storage the Ulrich Fish Pond.
4. Name and Address of Owners of Structures:
- 4.1. Meadow Island No. 2 Ditch: The Meadow Island Ditch Company No. Two (2), 11154 Colo. Hwy. 66, P. O. Box 190, Platteville, CO 80651.
  - 4.2. Beeman Ditch: Beeman Irrigating Ditch and Milling Company, 1800 Larimer Street, Suite 1100, Denver, CO 80202.
  - 4.3. Ulrich Farms Recharge Site: Applicant.

#### CHANGE OF WATER RIGHTS

5. Name of Structure. Beeman Irrigating Ditch and Milling Company
6. Previous Decrees. The Beeman Ditch was decreed Priority 47 in Case No. CA6009, District Court, Second Judicial District on December 19, 1877. The adjudicated priority date for the right is October 5, 1871. The adjudicated rate of diversion is 127 cubic feet per second. The adjudicated use is for irrigation. The point of diversion of the Beeman Ditch water right was changed from its original location to the headgate now shared by the Beeman Irrigating Ditch and Milling Company and the Meadow Island No. 2 Ditch Company, located in the Northwest Quarter, Section 1, Township 2 North, Range 67 West of the 6th P.M., in Case No. 145, Weld County District Court, March 29, 1905.
7. Proposed Change of Use: Applicant seeks to change the use of 3 shares of the 40 outstanding shares in the Beeman Ditch Company (the "3 Shares") to include augmentation and replacement by direct release, recharge, and exchange. Applicant seeks to change the use of solely the Beeman Ditch portion of the shares. Applicant does not seek to change the use of any part of Beeman Ditch Company's interest in Meadow Island Ditch Company No. 2 or Beeman Ditch Company's contractual right to "Excess Water" from the Meadow Island Ditch Company No. 2. Augmentation uses may include assignment to and use in the Central Colorado Water Conservancy District Augmentation Plans decreed in 02CW335 and

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- 03CW99. Applicant claims the right to totally consume the consumable portion of the water, either by first use, successive use, or disposition. Applicant intends to retain the existing irrigation use, subject to terms and conditions that prevent expansion of use. Once changed, these shares may be delivered to the recharge site identified above or directly to the South Platte River to offset alluvial well depletions and/or meet return flow replacement obligations. Applicant proposes to provide replacement of return flows only at times the call on the river is senior to the date of this application, effectively appropriating return flows at times the call is junior to that date.
8. **Methodology.** Applicant has applied a "parcel specific" methodology to quantify the historical diversions, consumptive use, and return flows associated with 3 Shares.
  9. **Historical Use.** Applicant has selected a study period of 1950 to 2005. Using diversion records for the Meadow Island No. 2 Ditch Headgate structure and a method of allocation developed by W.W. Wheeler and Associates in Case No. 02CW154, Applicant calculated that that an average of 5082 acre feet per year was diverted attributable to the Beeman Ditch water right during the study period, or 127.05 acre feet per share. Accounting for ditch loss, 324 acre feet was delivered via the Ulrich farm headgate and applied to up to 147.5 acres of feed corn, potatoes, sugar beets and alfalfa hay. Based on a maximum irrigation efficiency of 60%, on-farm depletions averaged 124.27 acre feet annually, or 41.42 acre feet per share. On farm return flow volumes averaged 199.73 acre feet per year, consisting of 100% groundwater returns.
  10. **Proposed Terms and Conditions.** Applicant's new uses will be limited by proposed terms including:
    - 10.1. **Seasonal Limitation:** Diversions for the new uses will be limited to March 1 to November 30 each year, consistent with historical practices.
    - 10.2. **Point of Diversion.** All water diverted for the new uses shall be delivered through the headgate shared by the Beeman Irrigating Ditch and Milling Company and Meadow Island No. 2 Ditch Company.
    - 10.3. **Ditch Company Regulation.** The Beeman Ditch Company will assess the same amount of conveyance losses to the delivery of the changed shares as are assessed all other shareholders.
    - 10.4. **Volumetric Limitations on the Amount of Water Delivered Through Farm Headgates.** Deliveries at the farm headgates and bypass structure(s) shall be monitored and regulated to ensure compliance with the following limitations.
      - 10.4.1. **Per share monthly maximum volumetric limits.** The amount of water delivered through the farm headgate per share attributable to the Beeman Ditch water right shall not exceed the following amounts on a monthly

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basis (acre feet): March: 1.5; April: 27.0; May: 31.2; June: 41.6; July: 39.7; August: 37.4; September: 24.4; October: 25.3; November: 7.9.

- 10.4.2. Per share annual maximum volumetric limit. No more than 236 acre feet per share attributable to the Beeman Ditch water right shall be delivered in a single calendar year.
- 10.4.3. Per share twenty-year rolling average volumetric limit. No more than 2160 acre feet per share attributable to the Beeman Ditch water right shall be delivered in any rolling twenty year period.
- 10.4.4. Return Flow Obligations. Use of the 3 Shares for irrigation historically created subsurface return flows to the South Platte River. All of these returns accrued via deep percolation.
- 10.4.5. Location of Return Flows (for purposes of administration): South Platte River, in the Northeast Quarter of the Northeast Quarter of Section 23, Township 3 North, Range 67 West of the 6th P.M.
- 10.4.6. Return Flow Factors: The final decree in this matter will permit Applicant to replace return flows at the Ulrich Farms Recharge Site using the following on-farm return flow factors: April: 0.91; May 0.81; June: 0.58; July: 0.45; August: 0.51; September: 0.66; October: 0.87. Applicant may develop return flow factors for returns delivered directly to the South Platte River (as opposed to at the recharge site) for use in conjunction with or in place of these "on-farm" factors.
- 10.4.7. Amount, Timing and Location of Replacement of Historical return flows. Applicant will deliver water to the location described above in amounts determined by the application of the factors described above at times when there is a valid call for water senior to the date of this application from a location downstream of the point where such return flows historically accrued to the South Platte River. Applicant will meet return flow obligations via the delivery of the changed shares to the Ulrich Farms Recharge Site, by bypassing a portion of these shares directly to the South Platte River, or by delivery of additional or alternative sources.
- 10.4.8. Dry Up Provisions. Applicant will cease application of water diverted under the Beeman Ditch priority to the amount of land necessary to ensure a reduction in consumptive use commensurate with the amount of water applied to the new uses. The location and amount of lands dedicated to dry-up may fluctuate from year to year commensurate with the number of shares dedicated to new uses.

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- 10.5. **Share Dedication.** Applicant may elect whether to deliver the Beeman Ditch portion of the 3 Shares changed herein to irrigation or to augmentation and replacement. This election shall be made no less than annually. The number of shares dedicated to augmentation purposes may fluctuate from year to year.
11. **Place of Recharge.** Applicant may deliver the changed shares to the recharge site listed above, or to recharge sites hereafter added to the plan pursuant to the terms of the decree.

### AUGMENTATION PLAN

12. **Augmented Wells.** Applicant proposes to augment the out of priority depletions caused by the use of the following wells, hereinafter referred to as the "Ulrich Wells."
- 12.1. **Name of Well: Ulrich Well #1**
- 12.1.1. **WDID: 208429**
  - 12.1.2. **Location: In the Southeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.**
  - 12.1.3. **Decree: W-3356**
  - 12.1.4. **Permit: 45308-F**
  - 12.1.5. **Decreed Priority Date: December 31, 1877**
  - 12.1.6. **Uses: Domestic and Stock Watering and Feedlot Operation**
  - 12.1.7. **Depletions to: South Platte River.**
  - 12.1.8. **Location of Depletions (for purposes of administration): Section 23, Township 3 North, Range 67 West.**
  - 12.1.9. **Aquifer Parameters: X=6,360.24 ft; W=17,439.63 ft; Harmonic T=110,000 gpd/ft; S=0.2**
  - 12.1.10. **Additional Augmentation Plan: 02CW335**
- 12.2. **Name of Well: Ulrich Well #2**
- 12.2.1. **WDID: 208432**
  - 12.2.2. **Location: In the Southeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.**
  - 12.2.3. **Decree: W-3356**
  - 12.2.4. **Permit: 45309-F**
  - 12.2.5. **Decreed Priority Date: February 28, 1954**
  - 12.2.6. **Uses: Domestic and Stock Watering and Feedlot Operation**
  - 12.2.7. **Depletions to: South Platte River.**
  - 12.2.8. **Location of Depletions (for purposes of administration): Section 23, Township 3 North, Range 67 West.**
  - 12.2.9. **Aquifer Parameters: X=6,360.24 ft; W=17,439.63 ft; Harmonic T=110,000 gpd/ft; S=0.2**

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12.2.10. Additional Augmentation Plan: 02CW335

12.3. Name of Well: Ulrich Feedlot Well

12.3.1. WDID: 208424

12.3.2. Location: In the Southeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.

12.3.3. Decree: 85CW174 (90CW068)

12.3.4. Permit: 38073-F

12.3.5. Decreed Priority Date: December 31, 1936

12.3.6. Uses: Stock watering (8000 head), domestic use in a single family dwelling, irrigation of 1 acre, and fire protection.

12.3.7. Depletions to: South Platte River.

12.3.8. Location of Depletions (for purposes of administration): Section 23, Township 3 North, Range 67 West.

12.3.9. Aquifer Parameters: X=6,357.61 ft; W=21,112.86 ft; Harmonic T=122,800 gpd/ft; S=0.2

12.3.10. Additional Augmentation Plan: 02CW335

12.4. Name of Well: Ulrich Well No. 133

12.4.1. WDID: 208430

12.4.2. Location: In the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.

12.4.3. Decree: W-304

12.4.4. Permit: 133

12.4.5. Decreed Priority Date: December 31, 1936

12.4.6. Uses: Irrigation

12.4.7. Depletions to: South Platte River.

12.4.8. Location of Depletions (for purposes of administration): Section 23, Township 3 North, Range 67 West.

12.4.9. Aquifer Parameters: X=6,360 ft; W=17,439.63 ft; Harmonic T= 110,000 gpd/ft; S=0.2

12.4.10. Additional Augmentation Plan: 02CW335

12.5. Name of Well: Ulrich Well No. 134

12.5.1. WDID: 208433

12.5.2. Location: In the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.

12.5.3. Decree: W-304

12.5.4. Permit: 134

12.5.5. Decreed Priority Date: July 31, 1955

12.5.6. Uses: Irrigation.

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- 12.5.7. Depletions to: South Platte River.
  - 12.5.8. Location of Depletions (for purposes of administration): Section 23, Township 3 North, Range 67 West.
  - 12.5.9. Aquifer Parameters: X=6,360 ft; W=17,439.63 ft; Harmonic T= 110,000 gpd/ft; S=0.2
  - 12.5.10. Additional Augmentation Plan: 02CW335
- 12.6. Name of Well: Ulrich Fish Pond Well
- 12.6.1. WDID: None issued.
  - 12.6.2. Location: In the Northeast Quarter of the Northeast Quarter of Section 22, Township 3 North, Range 67 West of the 6th P.M.
  - 12.6.3. Decree: to be decreed herein
  - 12.6.4. Permit: None issued.
  - 12.6.5. Requested Priority Date: August 1, 2011
  - 12.6.6. Depletions to: South Platte River.
  - 12.6.7. Location of Depletions (for purposes of administration): Section 14, Township 3 North, Range 67 West.
  - 12.6.8. Aquifer Parameters: X=----; W=----; Harmonic T= ----; S=0.2
  - 12.6.9. Additional Augmentation Plan: None
13. Water Rights to be used for augmentation. Applicant will use accretions from the Ulrich Farms Recharge Right and accretions from or direct deliveries of the Beeman shares changed herein to replace out of priority depletions caused by the Ulrich Wells. Applicant may use additional and alternative sources and seeks a decree that allows incorporation of these sources into its ongoing plan of augmentation.
14. Plan for Augmentation:
- 14.1. Diversions from the Ulrich Wells cause depletions to the South Platte River. The purpose of this plan is to replace out of priority depletions in time, location and amount to the extent necessary to ensure that senior water rights are not deprived of their lawful entitlement to water. Applicant will replace depletions that affect the South Platte River at times when there is a valid call for water senior to the priority date of the depleting well.
  - 14.2. Method for Determination of Well Depletions:
    - 14.2.1. Pre-Filing Depletions. Depletions caused by pumping that occurred prior to the filing of this application will not be augmented by the plan. With the exception of the Ulrich Fish Pond Well, which is not yet constructed, all of the wells to be augmented are currently enrolled in the CCWCD's Ground Water Management Subdistrict Augmentation Plan. Post pumping depletions caused by the pumping of the Ulrich Wells prior to

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the filing of this plan have been quantified and will be replaced under the terms and conditions of 02CW335. These wells will continue to operate under the 02CW335 plan. Pumping under the plan of augmentation set forth herein will be in addition to pumping permitted by the 02CW335 plan.

- 14.2.2. **Post Filing Depletions.** Consumptive use resulting from the pumping of Ulrich Wells under a State Engineer approved substitute water supply plan obtained in the context of this case or caused by the pumping of Ulrich Wells after the entry of a decree in this case will be quantified by the application of site, time and use specific presumption depletion factors to metered well pumping. Timing of depletions will be established via the application of a Glover based analysis. This plan and the 02CW335 plan will operate independently. Depletions resulting from pumping approved by the 02CW335 plan will be determined and replaced under the terms and conditions of the 02CW335 decree, and depletions resulting from pumping approved by the Ulrich Farms plan will be determined and replaced under the terms and conditions decreed herein.
- 14.2.3. **Projection.** At least annually, Applicant will perform a projection comparing anticipated replacement sources with anticipated well depletions. This projection will be used to limit the pumping of Ulrich Wells to ensure that no more is pumped than can be replaced. The projection will include depletions from previous pumping, projected well depletions, recharge accretions, and additional or alternate supplies. The projection will include the following limitations:
- 14.2.3.1. **Period of Call.** The projection will assume a call senior the Ulrich Wells will occur continuously for all years of the projection.
- 14.2.3.2. **Projected Deliveries to Direct Flow Water Rights and Senior Storage Rights.** Projected deliveries to Direct Flow Water Rights and Senior Storage Rights shall be based upon 2002-2006 recorded deliveries for all years of the projection. Senior Storage Rights are those with a priority date senior to July 31, 1915.
- 14.2.3.3. **Projected Deliveries to Junior Recharge and Storage Rights.** Projected deliveries to junior recharge and storage rights shall be the amount actually placed into storage or recharge as of the date of the projection. Applicant may elect to apportion the amount in storage over the period of the projection, taking into

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account any evaporation, seepage or other losses occurring over the time the water is in storage.

14.2.3.4. Additional Leased Supplies. Applicant may assume deliveries from additional water supplies to the extent to which it has a fixed and definite right to delivery for the term of such delivery.

14.3. Metering. All Ulrich Wells will be metered.

14.4. Maximum annual depletions for the Ulrich Wells are estimated to be 365 acre feet per year if Applicant relied exclusively on ground water. However, pumping will be limited by the projection to assure that no more is pumped than can be replaced without injury to vested water rights and decree conditional water rights.

14.5. Accounting and Reporting: Applicant will make an accounting of its augmentation plan and make reports to the Division Engineer.

14.6. GMS Notice. The following notice is required by the Ground Water Management Subdistrict of Central Colorado Water Conservancy District's "Policy Resolution Regarding Supplemental Substitute Water Supply Plans and Augmentation Plans":

14.6.1. "Ulrich Well No. 1, Ulrich Well No. 2, Ulrich Well No. 3-31362-F, Ulrich Well No. 1-0133 and Ulrich Well No. 2-0134 are GMS Member Wells augmented by the augmentation plan of the Ground Water Management Subdistrict of the Central Colorado Water Conservancy District (GMS) decreed in 02CW335 under Class D contract nos. 749 and 750. The plan of augmentation proposed herein is for the purpose of allowing diversions from the wells in addition to the annual quota permitted under the GMS plan. Applicant and not GMS is and will be responsible for all depletions resulting from diversions authorized under this proposed plan for augmentation and any Substitute Water Supply Plan filed in connection with this Application. GMS policy prohibits GMS from replacing any depletion from supplemental plans. Applicant has complied with the GMS policy regarding supplemental plans."

### EXCHANGE

15. General Description of Exchange. Applicant seeks to exchange unused recharge accretions accruing to the South Platte River downstream of the South Platte River headgate shared by the Beeman Ditch Company and the Meadow Island No. 2 Company South Platte River upstream to that headgate for re-diversion and delivery to the recharge site named herein.

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- 15.1. Sources of Substitute Supply: Recharge accretions resulting from the delivery of the 3 Shares changed herein, the Ulrich Farms Recharge Right or approved additional or alternative sources to the recharge site decreed herein.
- 15.2. Exchange From Location: South Platte River in the Northeast Quarter of the Northeast Quarter of Section 23, Township 3 North, Range 67 West.
- 15.3. Exchange To Location. The headgate shared by the Beeman Ditch Company and the Meadow Island No. 2 Ditch Company, located in Northwest Quarter of Section 1, Township 2 North, Range 67 West of the 6th P.M.
- 15.4. Exchange Reaches and Amounts: Applicant claims an appropriative right of exchange at a rate of up to 10 c.f.s. The claim is conditional, with an appropriation date commensurate with the filing of this application.
- 15.5. Use of Exchanged Waters: The waters will be used for the purposes decreed for each source of substitute supply.

DATED July 29, 2011.

LAWRENCE JONES CUSTER GRASMICK LLP



Digitally signed by P.  
Andrew Jones  
Date: 2011.07.29 15:11:44  
-08'00'

P. Andrew Jones, #29076  
Attorneys for Applicant

*E-Filed Pursuant to Rule 121. Duly signed copy on file at the offices of Lawrence Jones Custer Grasmick LLP*

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STATE OF COLORADO )  
                                  )     ss.  
COUNTY OF WELD     )

Kenneth Ulrich, being first duly sworn upon oath, deposes and states that he is the President for the Applicant, that he has read the foregoing and that the contents contained therein are true and correct to the best of his information, knowledge and belief.

*Kenneth Ulrich*  
Kenneth Ulrich

Subscribed and sworn to before me this 29th day of July, 2011, by Kenneth Ulrich.

WITNESS my hand and official seal.

My Commission Expires: 9-27-2011

*Moana M. Thaden*  
Notary Public

*E-Filed Pursuant to Rule 121. Duly signed copy on file at the offices of Lawrence Jones Custer Gramsick LLP*



Form No. GX-01 1/2006

GEOEXCHANGE LOOP FIELD CONSTRUCTION AND TEST REPORT STATE OF COLORADO OFFICE OF THE STATE ENGINEER 1313 Sherman St. Rm. 818 Denver CO 80203 Phone - Info: (303) 866-3587 Main: (303) 866-3681 Fax: (303) 866-2223 http://www.water.state.co.us

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Rec# 3649666A

1. PERMIT NUMBER: 43 -GX
2. OWNER NAME(S): Kevin Lucka Builder
MAILING ADDRESS: 14959 CR 21
Platteville Co 80651
CITY STATE ZIP
PHONE: (970) 566-4749

Div \_\_\_ WD \_\_\_ Basin \_\_\_ MD \_\_\_

3. PROPERTY LOCATION: County: Weld Parcel ID Number (Optional):
(Same as above)
(STREET ADDRESS AT LOOP FIELD LOCATION) (City) (State) (Zip)
1/4 of the \_\_\_ 1/4, Sec. \_\_\_ Township \_\_\_ N. or S., Range \_\_\_ E. or W., P.M.

4. LOOP FIELD POINT OF ORIGIN: DISTANCE FROM SECTION LINES: \_\_\_ Ft. N. or S. Line, \_\_\_ Ft. E. or W. Line.
Optional: GPS well location information in UTM format. The following GPS settings are required: Easting 511016
Format must be UTM. Units must be in meters. Datum must be NAD83. Unit must be set to true north. [ ] Zone 12 or [X] Zone 13 Was GPS unit checked for above items? [X] YES [ ] NO Northing 4451867

5. LOOP MATERIAL: Polyethylene DIAMETER: 1" 6. DATE COMPLETED: 4-20-11

7. CIRCULATING FLUID (include mixture percent): 10% Methanol
8. FIELD TYPE: POND LOOPS [ ] VERTICAL [X] b. DEPTH OF LOOPS: 300 ft.
HORIZONTAL (Trench) [ ] DIRECTIONAL [ ]

10. TRENCH INFORMATION:
Average Depth: N/A ft.
Average Width: \_\_\_ ft.
Excavated with

12. HOLE DIAMETER: 4.75 in.
NUMBER OF HOLES: 5

11. BACKFILL MATERIALS:
N/A

13. GROUT: Geo Pro, Inc. Thermal Enhanced Grout Lite
Type and amount of each material (INCLUDE WATER):
Water 810 gal
Bentonite Grout 2250 lbs
Silica Sand 9000 lbs

14. TEST DATA:
Prior to installation: Design/Test Pressure (psi): 100 Test Length (hrs): 4 Date/Time Measured: 4-17-11
After installation: Test Pressure (psi): 100 Test Length (hrs): 24 Date/Time Measured: 4-20-11

15. NAME OF CERTIFIED INDIVIDUAL (type or print): Dan Rau, Colorado Geothermal Drilling
Mailing Address: 14953 Akron Ct. Brighton, CO 80802

Certification No. GT-55 Phone Number: 303-903-7081

The Division of Water Resources' Online Mapping tool was used to identify rights located within 1/2 mile. [X] YES [ ] NO
I have read the statements made herein and know the contents thereof, and that they are true to my knowledge.
[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.]

[Signature]

4-20-11

14959 CR 21  
 Platteville, CO

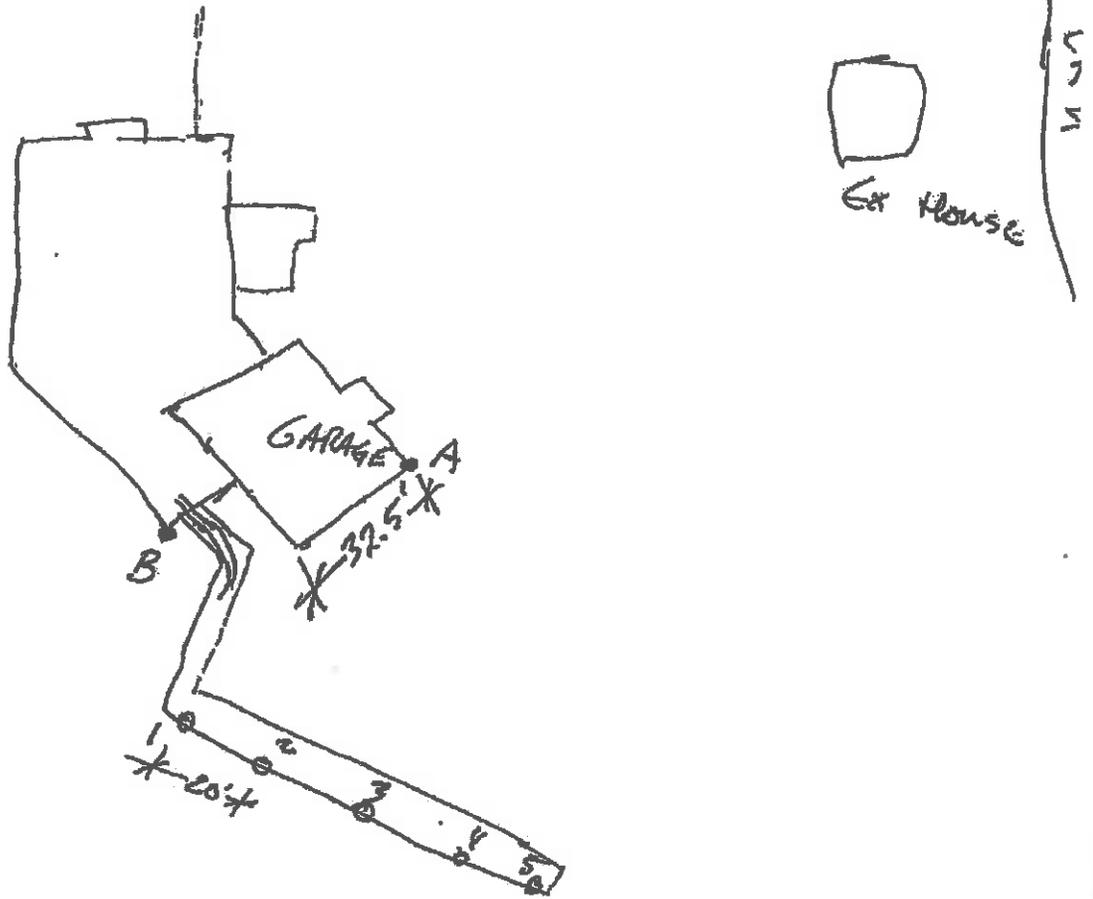
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~~5 @ 300' DEEP~~  
 5 @ 300' DEEP  
 1" LOOPS

N 40° 13.029'  
 W 104° 52.232'  
 Elev 4770'



A	B	LOOP
65'-10"	27'-8"	1
64'-9"	41'-2"	2
69'-9"	59'	3
74'-6"	77'-5"	4
93'-1"	96'-8"	5



# **Proof of Sewage Disposal**

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**



# Septic Permit - Final

Application Number: SP-1100032  
Owner Name: KEN ULRICH  
Site Address: 14959 CR 21  
PLATTEVILLE, CO 80621

**Finalized**

App Type: Health\Residential\New\Septic  
Applicant Name: KEVIN LUECK

Application Status:  
Ready to Final

335 NORTH SHORES CIRCLE  
WINDSOR, CO 80550

Applied Date:  
03/08/2011

Parcel #: 120922100054-R6779528  
Legal Desc: PT NE4 22 3 67 LOT A REC EXEMPT RE-5064

Issued Date:  
03/09/2011

Finalized Date: 8/5/11

**App Specific Info:**

Location Description	14959 CR 21
Repair Reason Type	
Associated Building Permit	Yes
Associated Building Permit Number	BCR11-00169
Application Date	03/08/2011
Septic Permit Expiration Date	03/08/2012
Waive Fees	No
Waive Fees Comment	
Number of Persons	2
Number of Bedrooms	4
Basement Plumbing	Yes
Full Bathrooms	3
3/4 Bathrooms	0
1/2 Bathrooms	1
Public Water Supply	Yes
Public Water Supply Utility	CWCWD
Other Water Supply Utility	
Private Water Supply	
Private Water Supply Permit Reference Number	
Parcel Acres	25
Year Installed	

**Actual Installation:**

Septic Tank: 1250 gallons      Absorption Trench: \_\_\_\_\_ sq ft      Chambers \_\_\_\_\_  
 Absorption Bed : 1720 sq ft  
 Design Type: CA      Chamber Model \_\_\_\_\_

**NOTICE**

The issuance of this permit does not imply compliance with other state, county, or local regulatory or building requirements, nor shall it act to certify that the subject system will operate in compliance with applicable state, county and local regulations adopted pursuant to Article 10, Title 25, CRS as amended, except for the purpose of establishing final approval of installed system for issuance of a local occupancy permit pursuant to CRS 1973 25-10-111 (2).

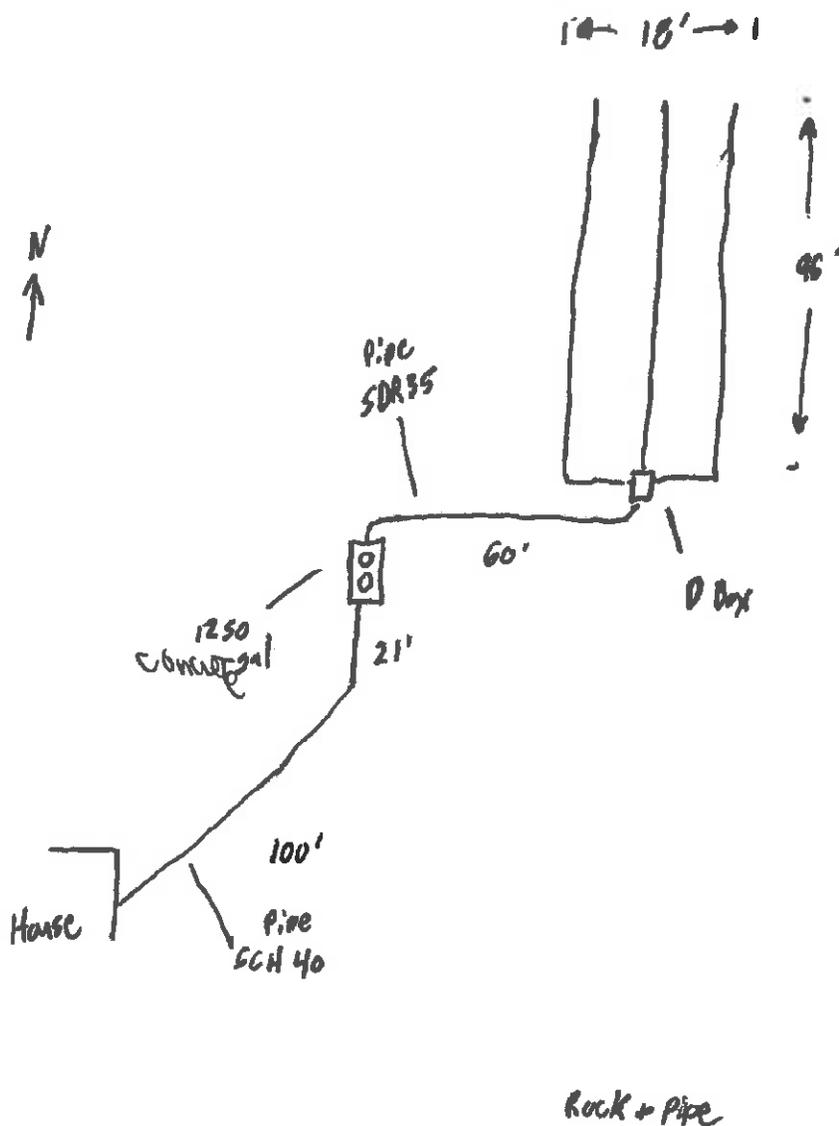
This permit is non-transferable and non-refundable. The Weld County Department of Public Health and Environment reserves the right to impose additional terms and conditions required to meet our regulations on a continuing basis. Final permit approval was contingent upon the final inspection of the completed system by the Weld County Department of Public Health and Environment.

X [Signature]      8/5/11  
 Environmental Health Specialist      Date



# Septic Permit - Final

Application Number: SP-1100032  
Owner Name: KEN ULRICH  
Site Address: 14959 CR 21  
PLATTEVILLE, CO 80621



**FOR OFFICE USE ONLY**  
**ISDS APPLICATION FLOW SHEET**

Owner: Ulrich Ken Permit #: OP-1100032

Location: 14959 cl 21, Plattville Legal Description: 22-03-67

	Date	By	Comments
Parcel Number Received	3/8/11	SY	
Information Form Complete			
Authorization Form Received			
Map Drawing Received			
Flood Plain? Yes/No <input checked="" type="radio"/>	3/9/11	ME	
Site Inspection Date			
Engineer Design? Yes/No <input checked="" type="radio"/>	↓	↓	
Date Engineer Design Received			
Customer Notified? Yes/No			
Date Staff Approval Sent			
Date Staff Approval Rec-d			
Perc Data Entered in Computer	3/14/11	MS	put in mail on 3/14/11, will go out 3/15
Date of BOH Approval			
Eng Approval Letter Sent (Letter, Permit, BOH Review)			
Date of Final Inspection			
Eng Final Inspection Letter Rec-d			
Variances Needed? Yes/No			
Sent Variance Staff Approval			
Rec-d Variance Staff Approval			
Variance BOH Approval			
Variance BOH Approval Sent (Variance, BOH Review)			

Additional Comments: 3/9/11 - property owner going to dig a  
4 acre pond. Keep septic at least 100ft. from  
pond.



Weld County Environmental Health Services Department

1555 N. 17th Avenue  
Greeley, CO 80631  
Phone: (970) 304-6415  
Fax: (970) 304-6411  
Web: weldhealth.org

## Septic Permit New

**Application Number:** SP-1100032  
**Owner Name:** KEN ULRICH  
**Site Address:** 14959 CR 21  
PLATTEVILLE, CO 80821  
**App Type:** Health\Residential\New\Septic  
**Applicant Name:** KEVIN LUECK  
335 NORTH SHORES CIRCLE  
WINDSOR, CO 80550  
**Parcel Number:** 120922100055  
**Legal Desc:**

**Application Status:**  
In Review  
**Applied Date:**  
03/08/2011  
**Intake Person:**  
SCERRILLO  
**Permit Expiration Date:**  
03/08/2012

**App Specific Info:**

Location Description	14959 CR 21
Repair Reason Type	
Associated Building Permit	
Associated Building Permit Number	
Application Date	03/08/2011
Septic Permit Expiration Date	03/08/2012
Waive Fees	No
Waive Fees Comment	
Number of Persons	2
Number of Bedrooms	4
Basement Plumbing	Yes
Full Bathrooms	3
3/4 Bathrooms	0
1/2 Bathrooms	1
Public Water Supply	Yes
Public Water Supply Utility	CWCWD
Other Water Supply Utility	
Private Water Supply	
Private Water Supply Permit Reference Number	
Parcel Acres	25
Year Installed	



**Weld County Environmental Health Services Department**  
 1555 N. 17th Avenue  
 Greeley, CO 80631  
 Phone: (970) 304-6415  
 Fax: (970) 304-6411  
 Web: weldhealth.org

# Septic Permit New

Application Number: SP-1100032  
 Owner Name: KEN ULRICH  
 Site Address: 14959 CR 21  
 PLATTEVILLE, CO 80621

Percolation Rate 23 m.p.i. Limiting Zone > 8 ft \_\_\_\_\_ in Description \_\_\_\_\_  
 % Ground Slope relatively flat Direction \_\_\_\_\_ Soil Suitable (Y/N) Yes  
 Engineering Design Required (Y/N) No In 100 Year Flood Plain (Y/N) No

From the application information supplied and the on-site soil percolation data the following minimum installation specifications are required:

Septic Tank 1250 gallons Absorption Trench 1280 sq ft or Absorption Bed 1672 sq ft

Chambers: Standard Biodiffuser	Trench	<u>72</u>	Bed	<u>54</u>
Infiltrator Quick4 Standard or Hi Capacity	Trench	<u>70</u>	Bed	<u>91</u>
BioDiffuser Arc 36 Standard or Hi Capacity	Trench	<u>56</u>	Bed	<u>72</u>
Infiltrator Quick4 EQ36	Trench	<u>101</u>	Bed	<u>131</u>
Infiltrator Quick4 Plus Standard Low Profile	Trench	<u>65</u>	Bed	<u>84</u>

All Weld County ISDS regulations apply. In addition, this permit is subject to the following additional terms and conditions:

Septic specifications based on Engineer's valuation must meet setbacks from pond (100' to 200'). In addition the septic field will be greater than 2 ft below existing grade to bottom of septic field.

### NOTICE

This permit is granted temporarily to allow construction to commence. This permit may be revoked or suspended by the Weld County Department of Public Health and Environment for reasons set forth in the Weld County Individual Sewage Disposal System Regulations including failure to meet any term or condition imposed thereon during temporary or final approval. The issuance of this permit does not constitute assumption by the department or its employees of liability for the failure or inadequacy of the sewage disposal system. **This permit is non-transferable and non-refundable.** Before issuing final approval of this permit the Weld County Department of Public Health and Environment reserves the right to impose additional terms and conditions required to meet our regulations on a continuing basis. Final permit approval is contingent upon the final inspection of the completed system by the Weld County Department of Public Health and Environment.

x Mary Gwett 3/9/11  
 Environmental Health Specialist Date

**Weld County Environmental Health Services Department**

1555 N. 17th Avenue  
Greeley, CO 80631  
Phone: (970) 304-6415  
Fax: (970) 304-6411  
www.co.weld.co.us

## Septic Permit Application

**Application Number:** SP-1100032  
**App Type:** Health\Residential\New\Septic  
**Applicant Name:** KEVIN LUECK

335 NORTH SHORES CIRCLE  
WINDSOR, CO 80550

**Owner Name:** KEN ULRICH  
**Parcel #:** 1209221

**Legal Desc:**  
**Site Address:** 14959 CR 21  
PLATTEVILLE, CO 80621

**App Specific Info:**

1/2 Bathrooms	1
3/4 Bathrooms	0
Basement Plumbing	Yes
Full Bathrooms	3
Location Description	14959 CR 21
Number of Bedrooms	4
Number of Persons	2
Parcel Acres	25
Private Water Supply	
Public Water Supply	Yes
Public Water Supply Utility	CWCWD

**TERMS AND CONDITIONS**

A permit fee, as set by separate ordinance of the Board of Weld County Commissioners, shall be required of applicants for new individual sewage disposal systems (ISDS), payable at time of application. Permit fees are non-refundable; permit applications are non-transferable. If both a building permit and an ISDS are issued for the same property and construction is not commenced prior to the expiration date of the building permit, the ISDS permit shall expire at the same time as the building permit. If an ISDS permit is issued for a property that does not require a building permit, the ISDS permit shall expire one year after its issuance if construction on the septic system has not commenced. Any change in plans or specifications after the permit has been issued invalidates the permit unless approval is secured from the Health Officer or his/her designated agent. Expired permits can be renewed by payment of the permit fee only if:

- A. There has been no change in the plans and specifications of the proposed system as set out in the original application or such change is reviewed and approved by a Division Representative.
- B. The surrounding land, its use or zoning has not changed so-as-to cause the original application not to be acceptable under these regulations.

**NOTICE**

The completeness of this application is conditional upon further mandatory and additional tests and reports as may be required by the Weld County Department of Public Health and Environment (WCDPHE). The issuance of the permit is subject to such terms and conditions as deemed necessary to insure compliance with rules and regulations adopted under article 10 title 25, CRS as amended. The applicant certifies that the proposed system will not be located within 400 feet of a community sewage system. The undersigned certifies that all statements made, information and reports submitted herewith are, or will be, represented to be true and correct to the best of his/her knowledge and are designed to be relied on by the WCDPHE for evaluation for purposes of issuing the permit applied for herein. Applicant further understands that falsification or misrepresentation may result in the denial of the application or revocation of any permit granted, and in legal action or perjury as provided by law.

X   
Owner/Applicant

7-08-11  
Date



**SEPTIC PERMIT INFORMATION FORM**

To obtain an I.S.D.S. permit, one must file an "application for Individual Sewage Disposal System" at the Weld County Environmental Health Services office and pay the application fee. A "repair" fee shall be charged for the expansion, replacement, or repair of an existing system. The following information must be provided on the septic information form.

COMMERCIAL PERMIT \_\_\_\_\_  
NEW or REPAIR \$850.00

RESIDENTIAL PERMIT   
NEW or REPAIR \$750.00

VAULT PERMIT \_\_\_\_\_  
NEW or REPAIR \$250.00

MINOR REPAIR PERMIT \_\_\_\_\_  
\$100.00

PARCEL NO.: 1209-22-1.00955 (RE-5064) (12 DIGIT NUMBER)

LEGAL DESCRIPTION: SECTION 22 TOWNSHIP 3 RANGE 67 ACRES 25

SUBDIVISION \_\_\_\_\_ LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ FILING \_\_\_\_\_

THIS INFORMATION CAN BE OBTAINED FROM THE ASSESSOR'S OFFICE AT (970) 353-3845 EXT 3650

SITE ADDRESS 14959 Weld CO RD 21

DIRECTIONS TO SITE US 85 to left SH west to rd 21 north  
1 1/2 miles west side of road (white House Graytown)

PROPERTY OWNER: KEVIN ULRICK

MAILING ADDRESS: 14605 WC 21 CITY Plattsmouth ST CO ZIP 80621

HOME PHONE: (970) 539-6117 WORK PHONE (970) 539-6117 FAX ( )

EMAIL ADDRESS: \_\_\_\_\_

APPLICANT NAME: KEVIN ULRICK

MAILING ADDRESS: 335 North Street CITY Windsor ST CO ZIP 80550

HOME PHONE: ( ) WORK PHONE (970) 217-0880 FAX ( )

EMAIL ADDRESS: \_\_\_\_\_

DESCRIPTION OF BUILDING (EX: HOUSE, MOBILE HOME, MODULAR, SHOP, OFFICE) New house

IF OBTAINING A REPAIR PERMIT, WHAT IS BEING REPAIRED? New System (New House)

NUMBER OF PERSONS 2 IN FLOOD PLAIN AREA? YES / NO \_\_\_\_\_

NUMBER OF BEDROOMS 4 PERCOLATION HOLES MUST BE MARKED FOR INSPECTION OR A \$50.00 FEE WILL BE CHARGED

BASEMENT PLUMBING (YES) / NO \_\_\_\_\_

BATHROOMS: FULL 3 1/4 \_\_\_\_\_ 1/2 1 CENSUS TRACT \_\_\_\_\_

PUBLIC WATER SUPPLY YES / NO \_\_\_\_\_ NAME Central Weld

PRIVATE WATER SUPPLY YES / NO \_\_\_\_\_ WELL / CISTERN \_\_\_\_\_ PERMIT # \_\_\_\_\_



*Sumner*  
DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT

1555 N. 17<sup>th</sup> Avenue  
Greeley, CO 80631

WEBSITE: [www.co.weld.co.us](http://www.co.weld.co.us)

ADMINISTRATION: (970) 304-6410

FAX: (970) 304-6412

PUBLIC HEALTH EDUCATION & NURSING: (970) 304-6420

FAX: (970) 304-6416

ENVIRONMENTAL HEALTH SERVICES: (970) 304-6415

FAX: (970) 304-6411

### AUTHORIZATION FORM

RE:  PERMIT APPLICATION

I.S.D.S. EVALUATION

SALE OF PROPERTY

WATER SAMPLE

I *KEVIN LOECK* represent *Kenneth Ulrich* for the property  
(Agent/Applicant) (Owner)  
located at \_\_\_\_\_

LEGAL DESCRIPTION: SEC *22* TWN *3N* RNG *67W*

SUBDIVISION NAME: \_\_\_\_\_ LOT \_\_\_\_\_ BLK \_\_\_\_\_

I can be contacted at the following phone #'s: Home *970-785-6223*

Work *970-785-2314*

Fax # *970-785-2890*

The property owner can be contacted at the following phone #'s

Home \_\_\_\_\_

Work \_\_\_\_\_

Fax # \_\_\_\_\_

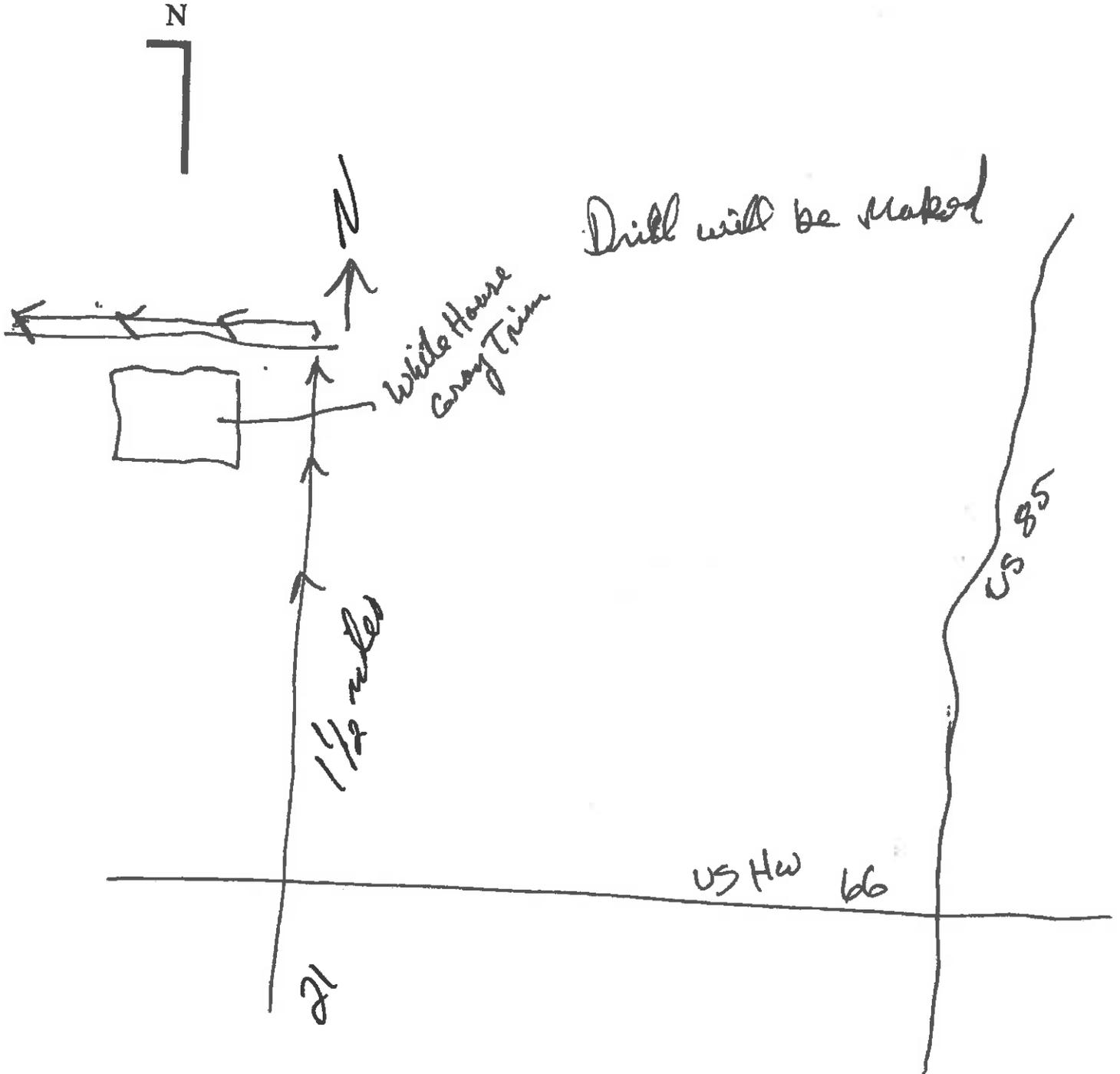
Correspondence mailed to (only one):  Agent/Applicant

Property Owner

DATE *1-18-11*

OWNER'S SIGNATURE *Kenneth Ulrich*

PLEASE DRAW A MAP TO YOUR PROPERTY.



**GEOTECHNICAL ENGINEERING REPORT**  
**PROPOSED RESIDENCE AND SEPTIC SYSTEM**  
**ADJACENT TO 14605 WELD COUNTY ROAD 21**  
**PLATTEVILLE, COLORADO**

**NORTHERN COLORADO GEOTECH**  
**PROJECT NO. 106-10**  
**JANUARY 6, 2011**

**Prepared for:**

**Kevin Lueck**  
**335 North Shores Circle**  
**Windsor, Colorado 80550**



---

**2956 29th Street, Unit 21**  
**Greeley, Colorado 80631**  
**Phone: (970) 506-9244**  
**Fax: (970) 506-9242**



Northern  
Colorado  
Geotech

2956 29th Street, Unit 21  
Greeley, Colorado 80631  
Phone: (970) 506-9244  
Fax: (970) 508-9242

January 6, 2011

Kevin Lueck  
335 North Shores Circle  
Windsor, Colorado 80550

**Re: Geotechnical Engineering Report  
Proposed Residence and Septic System  
Adjacent to 14605 Weld County Road 21  
Northern Colorado Geotech Project No. 106-10**

Northern Colorado Geotech has completed a geotechnical engineering exploration for the proposed residence and septic system to be located west of the existing structure at 14605 Weld County Road 21 west of Platteville, Colorado.

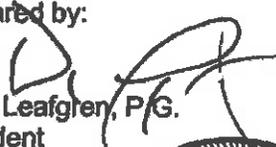
The subsurface soils at the site consisted of silty clayey sand and well graded sand with silt and gravel. The results of our field exploration and laboratory testing indicate that the soils are non-expansive and have low to moderate load bearing capabilities.

Based on the anticipated construction and the results of our engineering exploration, it is our opinion that the proposed residence may be supported on a spread footing foundation system. Slab on grade may be utilized for interior floor slabs. A standard septic system appears feasible at the site.

If you have any questions concerning this report or any of our consulting services, please do not hesitate to contact us.

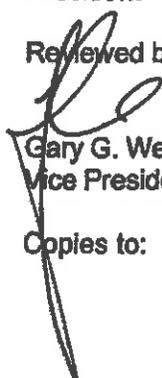
Sincerely,  
**NORTHERN COLORADO GEOTECH**

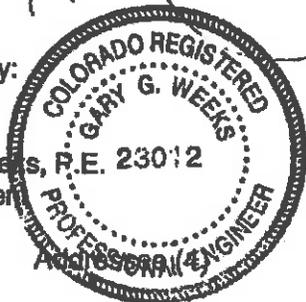
Prepared by:

  
Doug Leafgren, P.G.  
President



Reviewed by:

  
Gary G. Weeks, P.E. 23012  
Vice President



Copies to:

Address: (4)

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**GEOTECHNICAL ENGINEERING REPORT**  
**PROPOSED RESIDENCE AND SEPTIC SYSTEM**  
**ADJACENT TO 14605 WELD COUNTY ROAD 21**  
**PLATTEVILLE, COLORADO**

**NORTHERN COLORADO GEOTECH**  
**PROJECT NO. 106-10**  
**JANUARY 6, 2011**

**SCOPE**

This report contains the results of our geotechnical engineering exploration for the proposed residence and septic system to be located adjacent to the existing residence at 14605 Weld County Road 21 west of Platteville, Colorado. The site is located in the northeast quarter of Section 22, Township 3 North, Range 67 West of the 6th Principal Meridian.

This report includes descriptions of, and geotechnical engineering recommendations relative to:

- subsurface soil conditions
- groundwater conditions
- foundation design and construction
- basement construction
- drainage
- floor slab design and construction
- septic systems
- earthwork

The recommendations contained in this report are based upon the results of field and laboratory testing, engineering analyses, and experience with similar soil conditions, structures and our understanding of the proposed project.

**SITE CONDITIONS**

The site is located in an existing alfalfa field with poor surface drainage to the northeast. A farm access road is located north of the site. An existing residence and Weld County Road 21 are located to the east. Agricultural ground was observed to the south and west.

**Kevin Lueck  
Adjacent to 14605 Weld County Road 21  
Northern Colorado Geotech Project No. 106-10**

## **PROPOSED CONSTRUCTION**

As we understand it, the project will consist of building a single-family residence that will be serviced by an on-site sewage disposal system. The residence will have a garden-level basement and three bedrooms. Final site grades were not available at the time of the exploration, although we assume the first floor of the residence will be slightly above existing site grade.

## **SITE EXPLORATION**

A total of eight test borings were drilled on December 20, 2010. The borings were drilled to approximate depths of 3 to 15 feet at the locations shown on the Site Plan, Figure 1. Two borings were drilled within the footprint of the proposed residence, and six borings, including a soil profile boring were drilled in the area of proposed septic system. Percolation tests were conducted in general accordance with Weld County requirements. All borings were advanced with a truck-mounted drilling rig, utilizing 4- and 6-inch diameter solid stem augers.

The borings were located in the field by pacing from property lines and/or existing site features. The accuracy of boring locations should only be assumed to the level implied by the methods used.

Lithologic logs of each boring were recorded by an engineering geologist during the drilling operations. At selected intervals, samples of the subsurface materials were taken by driving split-spoon and/or ring samplers. Standard penetration measurements were recorded while driving a split-spoon and/or ring sampler into the subsurface materials. The standard penetration test is a useful index in estimating the density of the materials encountered.

Groundwater conditions were evaluated in each boring at the time of subsurface exploration, and nine days after the drilling.

### **Laboratory Testing**

The samples retrieved during the subsurface exploration were returned to our laboratory for observation by the project manager. The soils were classified in general accordance with the Unified Soil Classification System. At that time, the field descriptions were confirmed or modified and an applicable laboratory testing program was formulated. Boring logs were prepared and are attached with this report.

Laboratory tests were conducted on selected samples and are presented on the boring logs and attached laboratory test sheets. The test results were used for the geotechnical engineering analyses, and the development of foundation and earthwork recommendations.

Selected samples were tested for the following engineering properties:

Kevin Lueck  
 Adjacent to 14605 Weld County Road 21  
 Northern Colorado Geotech Project No. 106-10

- Water Content
- Dry Density
- Compressive Strength
- Consolidation
- Expansion

**SUBSURFACE CONDITIONS**

**Soil Conditions**

Soils at the site generally consisted of silty clayey sand that is underlain by well graded sand with silt and gravel at approximate depths of 4½ to 5 feet. The well graded sand with silt and gravel extends beyond the depths explored, 15 feet. Summary boring logs are attached with this report.

**Groundwater Conditions**

Groundwater was not observed in any test boring at the time of field exploration, nor when checked nine days after the drilling. These observations represent groundwater conditions at the time of the field exploration, and may not be indicative of other times, or at other locations. Groundwater conditions can be expected to fluctuate with varying seasonal and weather conditions, and other factors.

**Field Test Results**

Field test results indicate that the sand soils vary from loose to dense in relative density.

Percolation testing conducted in the area of the proposed soil absorption bed is summarized as follows:

Percolation Test Results			
Test Hole	Depth (inches)	Soil Classification	Percolation Rate (minutes/inch)
3	36	SC-SM	15
4	36	SC-SM	30
5	36	SC-SM	20
6	36	SC-SM	24
7	36	SC-SM	20
8	36	SC-SM	28

*22.8 MPD*

The soils in the area of the proposed leach field have fair percolation rates.

**Kevin Lueck**  
Adjacent to 14805 Weld County Road 21  
Northern Colorado Geotech Project No. 106-10

### **Laboratory Test Results**

Laboratory test results indicate that the soils are non-expansive and have low to moderate load bearing capabilities.

## **DESIGN RECOMMENDATIONS**

### **Foundation Design**

Based on the results of our subsurface exploration and the results of the laboratory testing, it is our opinion that a spread footing foundation system may be used for support of the proposed structure. The footings should be placed on undisturbed soils and/or engineered fill material. .

Design and construction recommendations for foundation systems and other earth connected phases of the project are outlined below.

### **Footing Foundations**

Based on the results of our subsurface exploration and laboratory testing, it is our opinion that a spread footing foundation system bearing upon undisturbed soil and/or engineered fill may be used for support of the proposed structure. The footings may be designed for a maximum bearing pressure of 2,000 psf. The design bearing pressure applies to dead loads plus design live load conditions. The design bearing pressure may be increased by one-third when considering total loads that include wind or seismic conditions.

Exterior footings should be placed a minimum of 30 inches below finished grade for frost protection and to provide confinement for the bearing soils. Finished grade is the lowest adjacent grade for perimeter footings.

Footings should be proportioned to reduce differential foundation movement. Proportioning on the basis of equal total movement is recommended; however, proportioning to relative constant dead-load pressure will also reduce differential movement between adjacent footings. Total movement resulting from the assumed structural loads is estimated to be on the order of 3/4 inch or less. Differential movement should be on the order of 1/2 to 3/4 of the estimated total movement. Additional foundation movements could occur if water from any source infiltrates the foundation soils; therefore, proper drainage should be provided in the final design and during construction.

Foundations and masonry walls should be reinforced as necessary to reduce the potential for distress caused by differential foundation movement. The use of joints at openings or other discontinuities in masonry walls is recommended.

**Kevin Lueck  
Adjacent to 14605 Weld County Road 21  
Northern Colorado Geotech Project No. 106-10**

Foundation excavations should be observed by Northern Colorado Geotech. If the soil conditions encountered differ significantly from those presented in this report, supplemental recommendations may be required.

### **Below Grade Construction**

Groundwater was not encountered on the site to the maximum depth of exploration, 15 feet. Therefore, basement construction is considered acceptable on the site.

To reduce the potential for groundwater to impact foundation bearing soils and enter the basement of the structure, installation of a perimeter drainage system is recommended. The drainage system should be constructed around the exterior perimeter of the basement foundation, and sloped at a minimum 1/8 inch per foot to a suitable outlet, such as a sump and pump system.

### **Surface Drainage**

Positive drainage should be provided during construction and maintained throughout the life of the proposed project. Infiltration of water into utility or foundation excavations must be prevented during construction. Planters and other surface features which could retain water in areas adjacent to the building or pavements should be sealed or eliminated. In areas where sidewalks or paving do not immediately adjoin the structure, we recommend that protective slopes be provided with a minimum grade of approximately 10 percent for at least 10 feet from perimeter walls. Backfill against footings, exterior walls, and in utility and sprinkler line trenches should be well compacted and free of all construction debris to reduce the possibility of moisture infiltration.

Downspouts, roof drains or scuppers should discharge into splash blocks or extensions when the ground surface beneath such features is not protected by exterior slabs or paving. Sprinkler systems should not be installed within 5 feet of foundation walls. Landscaped irrigation adjacent to the foundation system should be minimized or eliminated.

### **Lateral Earth Pressures**

For soils above any free water surface, recommended equivalent fluid pressures for unrestrained foundation elements are:

- **Active:**  
Cohesionless soil backfill (on-site sand)..... 35 psf/ft

Where the design includes restrained elements, the following equivalent fluid pressures are recommended:

**Kevin Lueck  
Adjacent to 14605 Weld County Road 21  
Northern Colorado Geotech Project No. 106-10**

- **At rest:  
Cohesionless soil backfill (on-site sand)..... 50 psf/ft**

The lateral earth pressures herein do not include any factor of safety and are not applicable for submerged soils/hydrostatic loading. Additional recommendations may be necessary if submerged conditions are to be included in the design.

Fill against grade beams and retaining walls should be compacted to densities specified in Earthwork. Compaction of each lift adjacent to walls should be accomplished with hand-operated tampers or other lightweight compactors. Overcompaction may cause excessive lateral earth pressures which could result in wall movement.

### **Floor Slab Design and Construction**

Some differential movement of slab-on-grade floor systems is possible should the subgrade soils become elevated in moisture content. To reduce potential slab movements, the subgrade soils should be prepared as outlined in the earthwork section of this report.

Additional floor slab design and construction recommendations are as follows:

- Positive separations and/or isolation joints should be provided between slabs and all foundations, columns or utility lines to allow independent movement.
- Control joints should be provided in slabs to control the location and extent of cracking.
- Interior trench backfill placed beneath slabs should be compacted in accordance with recommended specifications outlined below.
- Floor slabs should not be constructed on frozen subgrade.

Exterior slabs-on-grade, exterior architectural features, and utilities founded on, or in backfill may experience some movement due to the volume change of the backfill. Potential movement could be reduced by:

- minimizing moisture increases in the backfill
- controlling moisture-density during placement of backfill
- using designs which allow vertical movement between the exterior features and adjoining structural elements
- placing effective control joints on relatively close centers

**Kevin Lueck**  
**Adjacent to 14605 Weld County Road 21**  
**Northern Colorado Geotech Project No. 106-10**

### **Septic System Construction**

Field test results indicate that a standard septic system is feasible for construction on the site in the area of the percolation test borings. The system should be designed in accordance with applicable state and county requirements and should be located at the minimum distances from all pertinent ground features described in Weld County regulations. An average percolation rate of 23 minutes per inch is recommended for design purposes.

No groundwater or bedrock was encountered in the soil profile boring located at the proposed soil absorption bed. Accordingly, the leach field may be constructed to a depth 3 feet below finished grade.

Additional design criteria for septic system construction are as follows:

- Based upon the proposed residence containing 3 bedrooms, a total of 1,203 square feet of absorption bed will be needed.
- For the proposed residence, a minimum 1,000-gallon capacity septic tank should be used in the design and construction.
- Distribution lines within the soil absorption bed should consist of 3- or 4-inch diameter perforated plastic or similar pipe approved in governing regulations. Distribution lines should be placed the full length of the proposed absorption bed or trench and should not exceed 100-feet in length. Distribution lines should be spaced at a maximum of 6 feet on center with the perimeter lines placed 3 feet from the sides of the absorption bed.
- Absorption beds should be backfilled with a minimum 12 inch thickness of clean graded gravel ranging in size from 3/4 to 2-1/2 inches in diameter. The gravel should extend a minimum of 6 inches below and 2 inches above the distribution pipes.
- The gravel bed should be completely covered with untreated building paper prior to final soil cover. Final soil cover should be a minimum of 12 inches in thickness and suitable for vegetative growth. The surface of the soil cover should be graded for positive surface drainage and to reduce the possibility of surface water infiltration.
- If infiltrators are used, a minimum of 66 Quick 4 infiltrators will be needed.

**Kevin Lueck**  
**Adjacent to 14605 Weld County Road 21**  
**Northern Colorado Geotech Project No. 106-10**

## **General Earthwork**

All earthwork on the project should be observed and evaluated by Northern Colorado Geotech. The evaluation of earthwork should include observation and testing of engineered fill, subgrade preparation, foundation bearing soils, and other geotechnical conditions exposed during the construction of the project.

### **Site Preparation**

Strip and remove existing vegetation, debris, and other deleterious materials from proposed building and pavement areas. All exposed surfaces should be free of mounds and depressions which could prevent uniform compaction.

Stripped materials consisting of vegetation and organic materials should be wasted from the site, or used to revegetate landscaped areas or exposed slopes after completion of grading operations.

If unexpected fills or underground facilities are encountered, such features should be removed and the excavation thoroughly cleaned prior to backfill placement and/or construction.

It is anticipated that excavations for the proposed construction can be accomplished with conventional earthmoving equipment.

The individual contractor(s) is responsible for designing and constructing stable, temporary excavations as required to maintain stability of both the excavation sides and bottom. All excavations should be sloped or shored in the interest of safety following local, and federal regulations, including current OSHA excavation and trench safety standards.

### **Fill Materials and Placement**

All exposed areas which will receive fill should be scarified to a minimum depth of eight inches, conditioned to near optimum moisture content, and compacted.

The placement of soils on the site should be observed by Northern Colorado Geotech. The fill should be assessed for suitability of use in the proposed fill and tested for placement including compaction percentage and moisture content.

Engineered fill should be placed and compacted in horizontal lifts, using equipment and procedures that will produce recommended moisture contents and densities throughout the lift. Recommended compaction criteria for engineered fill materials are as follows:

Kevin Lueck  
 Adjacent to 14605 Weld County Road 21  
 Northern Colorado Geotech Project No. 106-10

Clean on-site soils or approved imported materials may be used as fill material.

Imported soils (if required) should conform to the following:

<u>Gradation</u>	<u>Percent fines by weight (ASTM C136)</u>
6" .....	100
3" .....	70-100
No. 4 Sieve .....	50-100
No. 200 Sieve .....	50 (max)
Liquid Limit .....	30 (max)
Plasticity Index .....	5 (max)

<u>Material</u>	<u>Minimum Percent (ASTM D698)</u>
Scarified subgrade soils .....	95
On-site and imported fill soils:	
Beneath foundations .....	95
Beneath slabs .....	95

On-site or imported granular soils should be compacted within a moisture range of 3 percent below to 3 percent above optimum unless modified by the project geotechnical engineer.

**GENERAL COMMENTS**

The analysis and recommendations presented in this report are based upon data obtained from borings performed to obtain representative subsurface conditions at the site. Variations in the soil between borings will occur. Northern Colorado Geotech should be present during construction to observe the excavation and construction procedures and confirm or modify our recommendations.

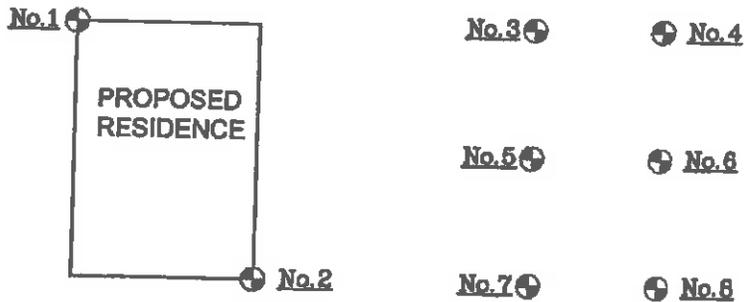
The scope of services for this project does not include either specifically or by implication any environmental assessment of the site.

This report has been prepared in accordance with generally accepted geotechnical engineering practices in this area at this time. No warranties, either express or implied, are intended or made.

TBM = NORTHEAST CORNER OF  
CONCRETE CHECK  
NEXT TO POWER POLE  
ELEV. = 100.0

FARM ACCESS ROAD

EXISTING  
RESIDENCE  
AND WCR 21  
APPROX 1,000 FT



<b>BORING LOCATION PLAN</b> <b>PROPOSED RESIDENCE AND SEPTIC SYSTEM</b> ADJACENT TO 14606 WELD COUNTY ROAD 21 PLATTEVILLE, COLORADO FOR KEVIN LUECK	
 <b>Northern Colorado Geotech</b> 2958 29th Street, Unit 21 Greeley, Colorado 80631 Phone: (970) 508-8244 Fax: (970) 508-8242	Project No. 106-10
	Scale: 1" = 50'
	Date: 1-7-11
	Project Mgr: DML
	Figure No. 1

DIAGRAM IS FOR GENERAL LOCATION ONLY,  
AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

# LOG OF BORING No. 1

Sheet 1 of 1

CLIENT

Kevin Lueck

ARCHITECT/ENGINEER

SITE

14605 Weld County Road 21  
Platteville, Colorado

PROJECT

Proposed Residence and Septic System

DEPTH (FT.)	SAMPLES				TESTS				
	BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP. psf	LIQUID LIMIT PLASTIC INDEX PERCENT FINES	
0.5									
6" TOPSOIL									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>SILTY CLAYEY SAND</b> Brown, moist, loose</p> </div> <div style="width: 50%; text-align: right;">  </div> </div>									
4.5	11	2	RS	12	3	113	0% Swell		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>WELL GRADED SAND WITH SILT AND GRAVEL</b> Tan, dry to moist, medium dense to dense</p> </div> <div style="width: 50%; text-align: right;">  </div> </div>									
15.0	18	3	SS	12	9				
BOTTOM OF BORING									
15	35	4	SS	12	3				

**WATER LEVEL OBSERVATIONS**

WL	None	W.D.
WL	None	A.B.

When Checked 9 Days A.B.



**Northern Colorado Geotech**  
2956 29th Street, Unit 21  
Greeley, Colorado 80631  
Phone: 970-508-9244  
Fax: 970-508-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NCG PROJECT NO.		106-10	

106-10.GP3

# LOG OF BORING No. 2

Sheet 1 of 1

<b>CLIENT</b> Kevin Lueck	<b>ARCHITECT/ENGINEER</b>
<b>SITE</b> 14605 Weld County Road 21 Platteville, Colorado	<b>PROJECT</b> Proposed Residence and Septic System

DEPTH (FT.)	SAMPLES				TESTS				
	BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP <sub>pcf</sub>	LIQUID LIMIT PLASTIC INDEX PERCENT FINES	
0.5	7	1	SS	18	9				
<b>GRAPHIC LOG</b>									
6" TOPSOIL									
	10	2	RS	12	10	110		0% Swell	
5.0									
<b>WELL GRADED SAND WITH SILT AND GRAVEL</b> Tan, dry to moist, medium dense to dense									
	18	3	SS	12	11				
	41	4	SS	12	2				
15.0									
<b>BOTTOM OF BORING</b>									

**WATER LEVEL OBSERVATIONS**

WL	None	W.D.
WL	None	A.B.

When Checked 9 Days A.B.



**Northern Colorado Geotech**  
 2956 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-508-9244  
 Fax: 970-508-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NCG PROJECT NO.		106-10	

106-10.GPJ

# LOG OF BORING No. 3

Sheet 1 of 1

<b>CLIENT</b> Kevin Lueck	<b>ARCHITECT/ENGINEER</b>
<b>SITE</b> 14605 Weld County Road 21 Platteville, Colorado	<b>PROJECT</b> Proposed Residence and Septic System

DEPTH (FT.)	BLOWS/12" N-VALUE	NUMBER	TYPE	SAMPLES		TESTS		
				IN. DRIVEN	IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP pst
0.5								
3.0								
BOTTOM OF BORING								

6" TOPSOIL

SILTY CLAYEY SAND  
Brown, moist, loose

GRAPHIC LOG

WATER LEVEL OBSERVATIONS		
WL	None	W.D.
WL	None	A.B.
When Checked 9 Days A.B.		



**Northern Colorado Geotech**  
 2956 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-506-9244  
 Fax: 970-506-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NCG PROJECT NO.		106-10	

106-10.GPJ

# LOG OF BORING No. 4

Sheet 1 of 1

CLIENT

**Kevin Lueck**

ARCHITECT/ENGINEER

SITE

**14605 Weld County Road 21  
Platteville, Colorado**

PROJECT

**Proposed Residence and Septic System**

DEPTH (FT.)	BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	TESTS		
					MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP <i>psf</i>
0.5							
6" TOPSOIL							
<div style="display: flex; align-items: center;"> <div style="width: 40%; border-right: 1px solid black; padding-right: 5px;"> <p style="margin: 0;"><u>SILTY CLAYEY SAND</u> Brown, moist, loose</p> </div> <div style="width: 5%; border-right: 1px solid black; text-align: center;"> </div> <div style="width: 45%; border-left: 1px solid black; padding-left: 5px;"> <!-- Empty table for test data --> </div> </div>							
3.0							
BOTTOM OF BORING							

**WATER LEVEL OBSERVATIONS**

WL	None	W.D.
WL	None	A.B.

When Checked 9 Days A.B.

**Northern  
Colorado  
Geotech**

2956 29th Street, Unit 21  
Greeley, Colorado 80631  
Phone: 970-506-9244  
Fax: 970-506-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NCG PROJECT NO.	106-10		

106-10.GPJ

# LOG OF BORING No. 5

Sheet 1 of 1

CLIENT

**Kevin Lueck**

ARCHITECT/ENGINEER

SITE

**14605 Weld County Road 21  
Platteville, Colorado**

PROJECT

**Proposed Residence and Septic System**

DEPTH (FT.)	GRAPHIC LOG	SAMPLES				TESTS		
		BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP psf
0.5	6" TOPSOIL							
	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <b>SILTY CLAYEY SAND</b>                      Brown, moist, loose                 </div> 							
3.0	BOTTOM OF BORING							

**WATER LEVEL OBSERVATIONS**

WL	None	W.D.
WL	None	A.B.

When Checked 9 Days A.B.



**Northern  
Colorado  
Geotech**

2956 29th Street, Unit 21  
Greeley, Colorado 80631  
Phone: 970-506-9244  
Fax: 970-506-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NGG PROJECT NO.	106-10		

106-10.GPJ

# LOG OF BORING No. 6

Sheet 1 of 1

CLIENT

Kevin Lueck

ARCHITECT/ENGINEER

SITE

14605 Weld County Road 21  
Platteville, Colorado

PROJECT

Proposed Residence and Septic System

DEPTH (FT.)	SAMPLES				TESTS		
	BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP psf
0.5 6" TOPSOIL							
4.5 <u>SILTY CLAYEY SAND</u> Brown, moist, loose							
8.0 <u>WELL GRADED SAND WITH SILT AND GRAVEL</u> Tan, dry to moist, medium dense to dense	12	1	SS	12	2		
8.0 BOTTOM OF BORING							

GRAPHIC LOG



DEPTH (FT.)



**WATER LEVEL OBSERVATIONS**

WL	None	W.D.
WL	None	A.B.

When Checked 9 Days A.B.

**Northern Colorado Geotech**  
 2958 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-506-9244  
 Fax: 970-506-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NCG PROJECT NO.		106-10	

106-10.GPJ

# LOG OF BORING No. 7

Sheet 1 of 1

<b>CLIENT</b> Kevin Lueck	<b>ARCHITECT/ENGINEER</b>
<b>SITE</b> 14605 Weld County Road 21 Platteville, Colorado	<b>PROJECT</b> Proposed Residence and Septic System

		GRAPHIC LOG	DEPTH (FT.)	SAMPLES				TESTS		
				BLOWS/12" N-VALUE	NUMBER	TYPE	IN. DRIVEN IN. RECOVERED	MOISTURE, %	DRY DENSITY PCF	UNCONFINED COMP psf
0.5	6" TOPSOIL									
	<u>SILTY CLAYEY SAND</u> Brown, moist, loose									
3.0	BOTTOM OF BORING									

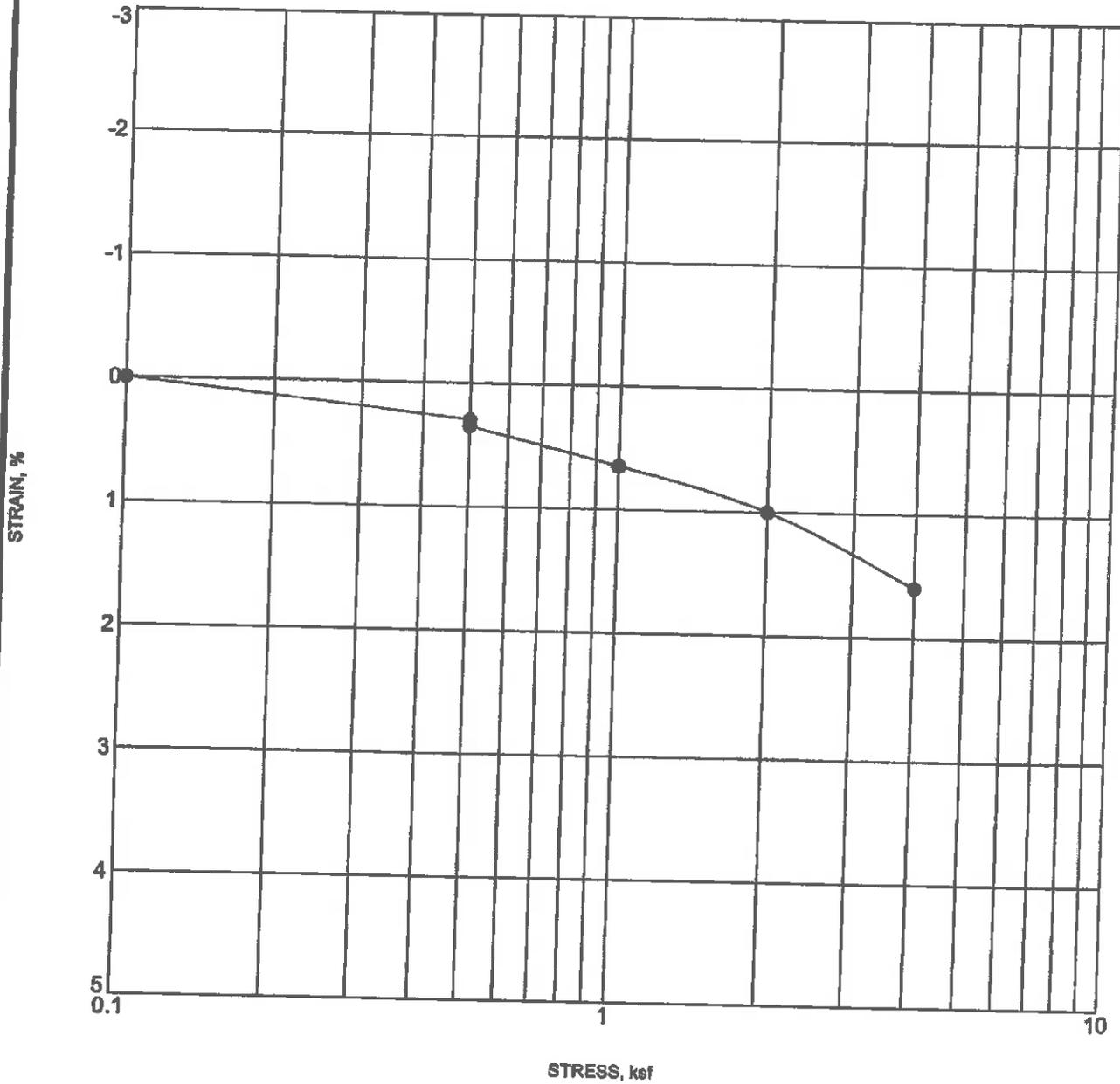
WATER LEVEL OBSERVATIONS		
WL	None	W.D.
WL	None	A.B.
When Checked 9 Days A.B.		

  
**Northern Colorado Geotech**  
 2956 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-506-9244  
 Fax: 970-506-9242

STARTED	12/20/10	FINISHED	12/20/10
DRILL CO.	Drilling Eng	DRILL RIG	CME-55
LOGGED BY	DML	APPROVED	DML
NGC PROJECT NO.	106-10		

106-10.GPJ





Specimen Identification		Classification	$\gamma_d$	MC%
● 1	4.0	Silty Clayey Sand	113	3

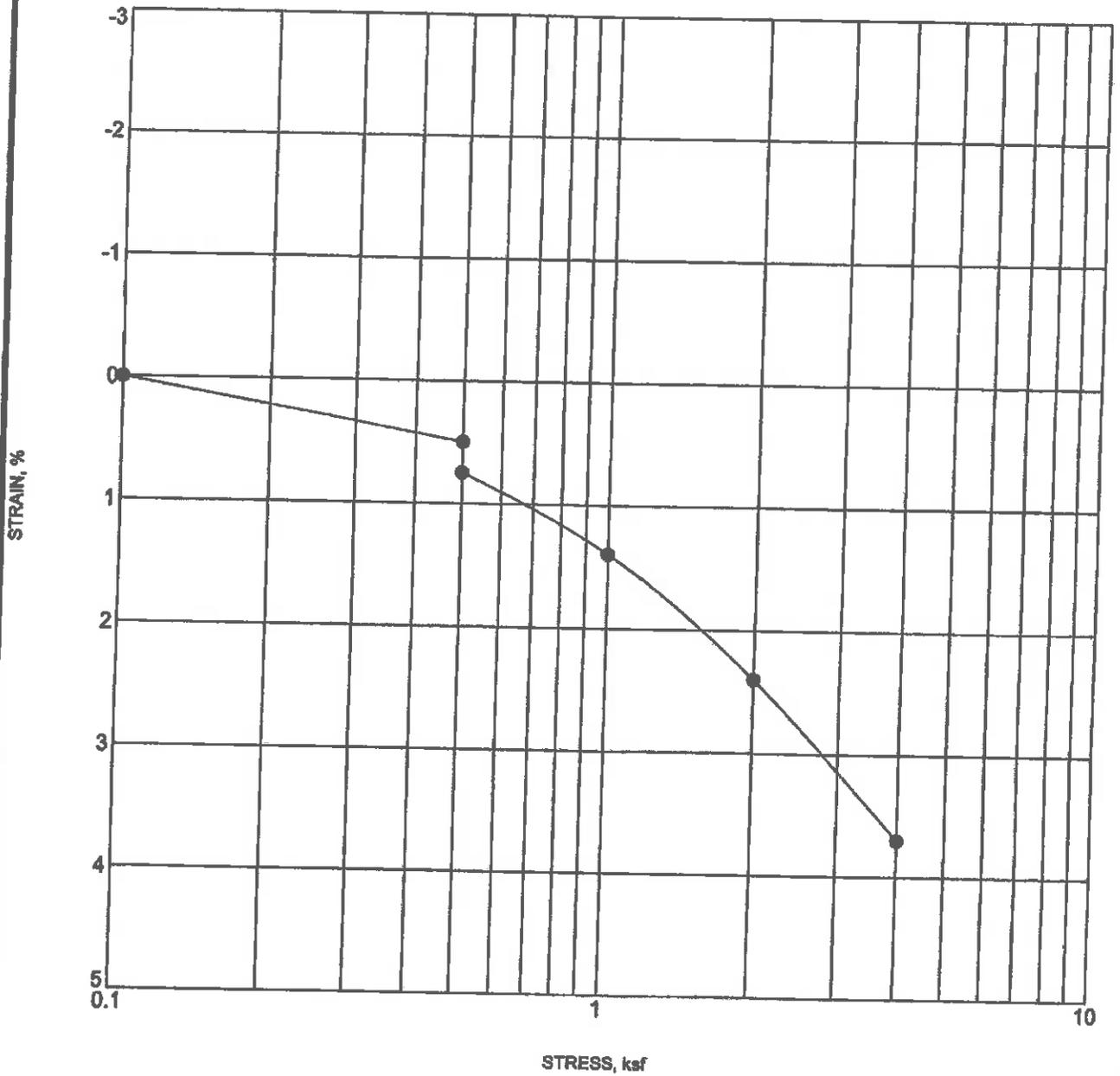


2956 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-506-9244  
 Fax: 970-506-9242

**CONSOLIDATION TEST**

Client: Kevin Lueck Number: 106-10  
 Project: Proposed Residence and Septic System  
 Location: 14605 Weld County Road 21

106-10.GPJ



Specimen Identification		Classification	$\gamma_d$	MC%	
●	2	4.0	Silty Clayey Sand	110	10



2958 29th Street, Unit 21  
 Greeley, Colorado 80631  
 Phone: 970-506-9244  
 Fax: 970-506-9242

### CONSOLIDATION TEST

Client: Kevin Lueck Number: 106-10  
 Project: Proposed Residence and Septic System  
 Location: 14605 Weld County Road 21



# Statement of Taxes

**Weld County Amended Recorded Exemption Application**

**Prepared for**

**Ulrich Family Investments LLLP**

# Weld County Treasurer Statement of Taxes Due

Account Number R8941091  
Assessed To

Parcel 120922100007  
ULRICH FAMILY INVESTMENTS LLLP  
14605 COUNTY ROAD 21  
PLATTEVILLE, CO 80651-7931

**Legal Description**

PT NE4 22-3-67 LOT B REC EXEMPT RECX14-0149

**Situs Address**

14959 21 CR WELD

Year	Tax	Interest	Fees	Payments	Balance
2015	\$2,787.70	\$0.00	\$0.00	\$0.00	\$2,787.70
<b>Total Tax Charge</b>					<b>\$2,787.70</b>
<b>Grand Total Due as of 03/31/2016</b>					<b>\$2,787.70</b>
<b>Taxes outstanding on child account(s)</b>					<b>\$743.12</b>

Tax Billed at 2015 Rates for Tax Area 2192 - 2192

Authority	Mill Levy	Amount	Values	Actual	Assessed
WELD COUNTY	15.8000000*	\$1,042.02	AG-FLOOD IRRIGATED LAND	\$23,813	\$6,910
SCHOOL DIST RE1	9.1630000	\$604.30	AG-WASTE LAND	\$5	\$10
NORTHERN COLORADO WATER (NC)	1.0000000	\$65.95	FARM/RANCH RESIDENCE-IMPS	\$677,516	\$53,930
CENTRAL COLORADO WATER (CCW)	1.5330000	\$101.10	OTHER BLDGS.- AGRICULTURAL	\$17,597	\$5,100
CENTRAL COLORADO WATER SUBD	1.2720000	\$83.88			
PLATTEVILLE-GILCREST FIRE	3.8690000	\$255.16	<b>Total</b>	<b>\$718,931</b>	<b>\$65,950</b>
AIMS JUNIOR COLLEGE	6.3250000	\$417.13			
HIGH PLAINS LIBRARY	3.3080000	\$218.16			
Taxes Billed 2015	42.2700000	\$2,787.70			

\* Credit Levy

ALL TAX LIEN SALE AMOUNTS ARE SUBJECT TO CHANGE DUE TO ENDORSEMENT OF CURRENT TAXES BY THE LIENHOLDER OR TO ADVERTISING AND DISTRAINT WARRANT FEES. CHANGES MAY OCCUR AND THE TREASURER'S OFFICE WILL NEED TO BE CONTACTED PRIOR TO REMITTANCE AFTER THE FOLLOWING DATES: PERSONAL PROPERTY AND MOBILE HOMES - AUGUST 1, REAL PROPERTY - AUGUST 1. TAX LIEN SALE REDEMPTION AMOUNTS MUST BE PAID BY CASH OR CASHIERS CHECK.

Weld County Treasurer • P.O. Box 458, Greeley CO 80632 • 1400 N 17th Ave, Greeley CO 80631 • (970) 353-3845 ext. 3290