

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST, RM 821, DENVER, CO 80203
Main: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

GENERAL PURPOSE

Water Well Permit Application

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

1. Applicant Information

Name of applicant

JDM Farmland LLC (c/o Darin Via)

Mailing address

8101 SW 34th Ave.

City
Amarillo

State

TX

Zip code

79121

Telephone # (area code & number)

806-463-3952

E-mail (online filing required)

darin.via@ustrust.com

2. Type Of Application (check applicable boxes)

- | | |
|--|--|
| <input type="checkbox"/> Construct new well | <input type="checkbox"/> Use existing well |
| <input type="checkbox"/> Replace existing well | <input checked="" type="checkbox"/> Change or increase use |
| <input type="checkbox"/> Change source (aquifer) | <input type="checkbox"/> Reapplication (expired permit) |
| <input type="checkbox"/> COGCC Well | <input type="checkbox"/> Other: _____ |

3. Refer To (if applicable)

Well permit #

77052-F

Water Court case #

n/a

Designated Basin Determination #

n/a

Well name or #

n/a

4. Location Of Proposed Well

County

Baca

NE

1/4 of the

NE

1/4

Section

35

Township

32

N or S

☒ N

Range

48

E or W

☒ E

Principal Meridian

6th

Distance of well from section lines (section lines are typically not property lines)

90

Ft. from ☒ N ☐ S 275

Ft. from ☒ E ☐ W

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

n/a

feet n/a

direction

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

n/a

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

Easting

697038.53

Northing

412710.48

Remember to set Datum to NAD83

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

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

N 1/2 Sec. 35, T. 32 S., R. 48 W., 6th P.M.

B. # of acres in parcel

320

C. Owner

Applicant

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

63823-FP

E. State Parcel ID# (optional)

Office Use Only

Form GWS-45 (07/2013)

RECEIVED

SEP 13 2017

WATER RESOURCES
STATE ENGINEER COLO.

6. Use Of Well (check applicable boxes)

Attach a detailed description of uses applied for.

- | | |
|--|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Dewatering System |
| <input type="checkbox"/> Municipal | <input type="checkbox"/> Geothermal (production or reinjection) |
| <input checked="" type="checkbox"/> Irrigation | <input checked="" type="checkbox"/> Other (describe): Increase to 474 acres |
| <input type="checkbox"/> Commercial | |

7. Well Data (proposed)

Maximum pumping rate

gpm

1,163.2

Annual amount to be withdrawn

1,305.7

acre-feet

Total depth

618

feet

Aquifer

Southern High Plains

8. Land On Which Ground Water Will Be Used

Legal Description of Land (may be provided as an attachment):

474-acre circle in the N 1/2 Sec. 35 and the S 1/2 Sec. 26,

T. 32 S., R. 48 W., 6th P.M. See Attached Figure 1.

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

A. # Acres

474

B. Owner

Applicant

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

none on the 474-acre circle

9. Proposed Well Driller License #(optional):

10. Sign or Entered Name 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 or enter name(s) of person(s) submitting application

Date (mm/dd/yyyy)

If signing print name and title

Office Use Only

USGS map name

DWR map no

Surface elev

Receipt area only

AQUAMAP

WE

WR

CWCE

TOPO

MYLAR

SB5

Transaction # 3082651
Date 9/13/2017 10:57:44 AM
Transaction Total \$100.00
CHECK #11645 \$100.00

DIV 8 WD 66 BA 3 MD

HELTON & WILLIAMSEN, P.C.
CONSULTING ENGINEERS IN WATER RESOURCES

384 INVERNESS PARKWAY, SUITE 144
ENGLEWOOD, COLORADO 80112-5822
PHONE (303) 792-2161
dgillham@helton-williamsen.com

RECEIVED

SEP 13 2017

WATER RESOURCES
STATE ENGINEER COLO.

September 7, 2017

Mr. Rick Nielsen
Colorado Division of Water Resources
1313 Sherman St., Rm. 821
Denver, CO 80203

Subject: Well Permit No. 77052-F, Baca County, Southern High Plains –
Application to Increase Use, and Variance Request

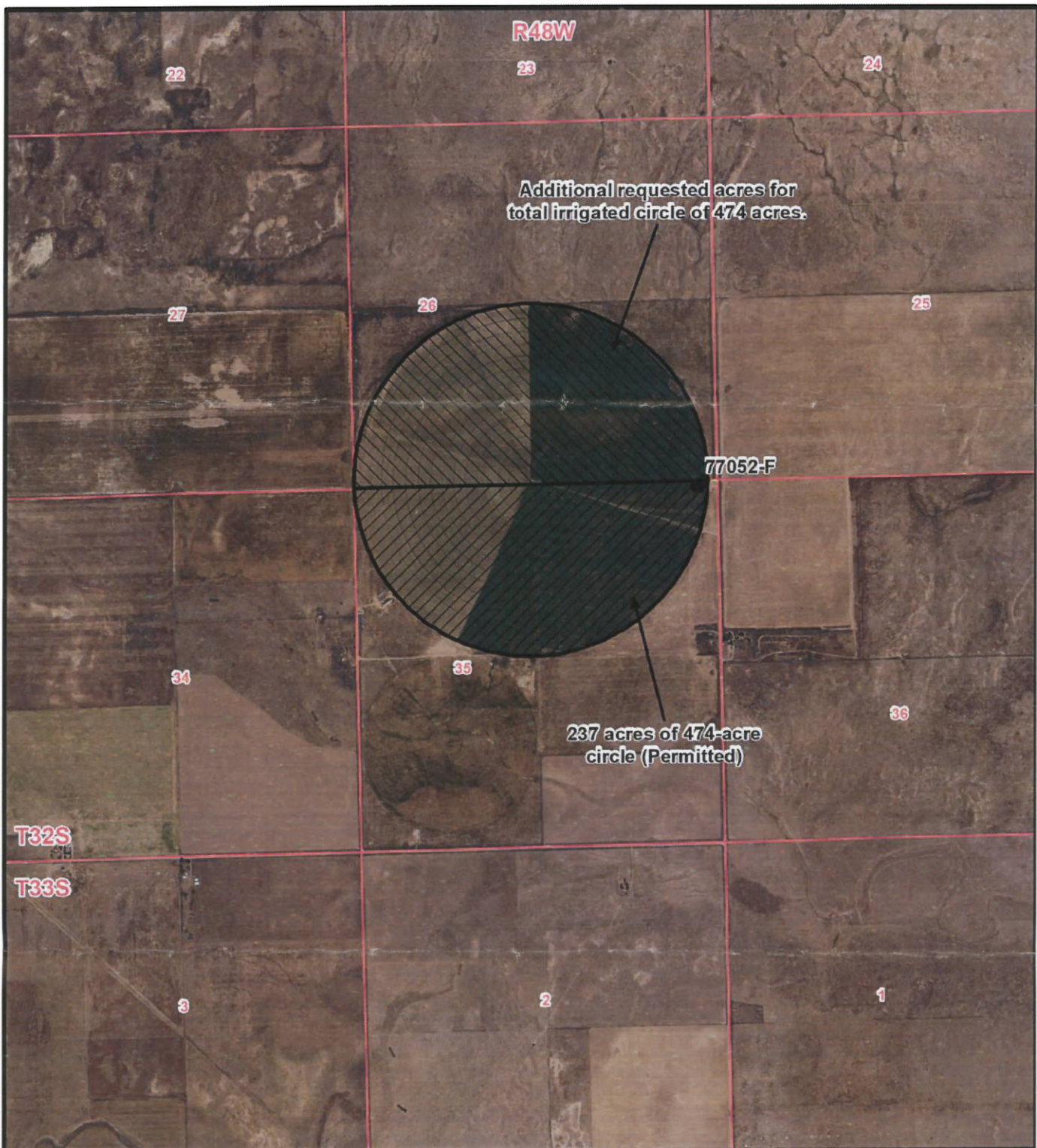
Dear Mr. Nielsen,

On behalf of my client Darin Via (agent for JDM Farmland LLC), I am submitting the enclosed requests to increase the use of Well Permit No. 77052-F and for a variance from Rule 5.5 regarding duty of water. Enclosed with this letter is a check for \$100 for the application fee.

JDM Farmland LLC owns Well Permit No. 77052-F and the land it irrigates. Currently, this well along with the well permitted by Permit No. 63823-FP irrigates 1) a 120-acre circle in the SW 1/4 Sec. 35, and 2) a 474-acre circle in the N 1/2 Sec. 35 and the S 1/2 Sec. 26, all in T. 32 S., R. 48 W., 6th P.M. Well Permit No. 77052-F was originally permitted to be commingled with Well Permit No. 77051-F for irrigation of the 474-acre circle; however, Well Permit No. 77051-F was not completed and that permit has been cancelled. Well No. 77052-F and 63823-FP are physically commingled. They are not permitted for commingling, and the pipeline(s) connecting the two wells will be disconnected. Well Permit No. 63823-FP will be used to irrigate only the 120-acre pivot in the SW 1/4 Sec. 35 for which it is permitted.

Well No. 77052-F is permitted to withdraw 829.5 acre-feet per year for half of the 474-acre circle (3.5 acre-feet per acre on 237 acres). A flow test recently conducted on Well No. 77052-F revealed the well is capable of producing 1,163.2 gallons per minute (gpm). See the attached Form 3.1/3.2. For the 254-day growing season in the Southern High Plains aquifer, pumping at this rate would produce 1,305.7 acre-feet. The enclosed Form GWS-45 requests an increase of use under Well Permit No. 77052-F up to 1,305.7 acre-feet per year at 1,163.2 gpm.

JDM Farmland LLC wants to continue irrigating the 474-acre circle with Well Permit No. 77052-F. It is noted that the duty of water of 1,305.7 acre-feet on 474 acres is 2.8 acre-feet per acre, which is less than the 3.5 acre-feet per acre required by Rule 5.5. JDM Farmland LLC hereby requests a variance from Rule 5.5. Figures 1 and 2 depict the currently permitted area and the full area being requested herein.



Helton & Williamsen, P.C.

Drawn by: ACO

Job No. V401

File: Permits.mxd

Date: 2/27/2017



Checked by:

Rev.
Date:

FIGURE 2

**JDM Farmland, LLC
Application to Increase Use**

September 17, 2015 Aerial Photography

0 1,000 2,000 4,000 6,000
Scale in Feet

RECEIVED
SEP 13 2017
WATER RESOURCES
STATE ENGINEER COLO.



COLORADO
Division of Water Resources

FORM 3.1/3.2 WELL MEASUREMENT VERIFICATION FORM-VER. 08/01/17

<http://water.state.co.us/groundwater/GWAdmin/UseAndMeasurement>

REASON FOR VERIFICATION (CHOOSE ONLY ONE)

3.1 FORM (TFM): ☒ Re-verify TFM ☐ Replace TFM ☐ Repair/Reprogram TFM ☐ No Prev. TFM ☐ Re-seal TFM

3.2 FORM (PCC): ☐ New PCC ☐ Re-verify PCC Modification Date (if re-verified due to system modification):

METER LOCATION AND ASSOCIATED WELL INFORMATION:

WDID 1: WDID 2: WDID 3: WDID 4:

UTM E: UTM N: Well Description: 77052

TAMPER RESISTANT SEAL INFORMATION

Meter Seal No.: 3501623 New Seal No.: Other: Seal No. New Seal No.
Register Seal No.: New Seal No.: Other: Seal No. New Seal No.

REPLACED TFM INFORMATION

Meter Serial No.: Register Serial No.:
Date New TFM Installed: Date Previous TFM Removed: Previous TFM: ☐ Reading ☐ Estimate

POWER METER INFORMATION:

Serial No.: 68820 Mfr.: Elster Reading: 2775 Mult.: 3 No. Digits: 4 Power Company: SECPA

INSTALLED TFM INFORMATION (TFM ONLY):

Meter Serial No.: gp13-0191-8 Register Serial No.: Mfr.: mccrometer Model: mo308
Multiplier: 100 No. Rec. Digits: 7 Units: ☐ Ac-Ft ☒ Gal ☐ Ac-In ☐ Cu-Ft K-Factor (if adj.)
OD: 8.625 " ID: 7.981 " U/S Straight Pipe: 48 " = 6.0 Dia. D/S Straight Pipe: 36 " = 4.5 Dia.

TEST METER LOCATION AND DISCHARGE PIPE INFORMATION:

OD: 10.010 " Wall Thickness: 0.183 " ID: 9.644 " U/S Straight Pipe: 116 " = 12.0 Dia. D/S Straight Pipe: 140 " = 14.5 Dia.
Discharge (One or more): ☐ Open discharge/low pressure ☒ Sprinkler ☐ Drip ☐ Pressurized ☐ Other:

TEST METER (COLLINS TUBE): ☐ Standard ☐ Overhung

GPM Factor: Stop Clamp Settings:

	1	2	3	4	5	6	7	8	9	10
Front:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Back:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	2-Point	2-Point	2-Point	10-Point						
Avg. of F/B:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Avg. Collins: x GPM factor
Avg. QT (gpm): (0,000.0)

INSTALLED FLOW METER

	Totalizer Readings Gal	Elapsed Time (min:sec)	Instantaneous (gpm) (Min. 10)
Stop:	<u>167,342,900.0000</u>	<u>15 : 3.00</u>	<input type="text"/>
Start:	<u>167,325,800.0000</u>	<u>0 : 0.00</u>	<input type="text"/>
Total:	<u>17,100.0000</u>	<u>15.05</u> (Dec. Min.)	<input type="text"/>
	<u>1,136.2</u>	Avg. QI (gpm) (0,000.0)	TFM Reading

TEST METER (ULTRASONIC OR VOLUMETRIC)

	Reading (gal)	Elapsed Time (min:sec)	Avg. QT (gpm) (0,000.0)
Stop:	<u>17,989.0</u>	<u>15 : 15.00</u>	<u>1,163.2</u>
Start:	<u>250.0</u>	<u>0 : 0.00</u>	
Total:	<u>17,739.0</u>	<u>15.25</u> (Dec. Min.)	
			Spacer Setting: <u>7.697</u> (Ultrasonic Meter Only)

CALIBRATION COEFFICIENT (TFM ONLY)

QT = 1,163.2 = 1.024 (to 0.000)
QI = 1,136.2

For CC greater than 1.050 or less than 0.950, Owner/Agent is REQUIRED to complete Owner/Agent Info and Variance Request (Page 2).

STABILIZATION (PCC ONLY)

Time (24:00)	Pumping Level or Discharge Rate (ft)	(gpm)	Pressure (psi)
1 <u>14:30</u>	<u>5.30</u>	<u>1,204.00</u>	<u>14.0</u>
2 <u>14:45</u>	<u>5.13</u>	<u>1,176.00</u>	<u>13.0</u>
3 <u>15:00</u>	<u>5.11</u>	<u>1,165.00</u>	<u>13.0</u>
4 <u>15:15</u>	<u>5.13</u>	<u>1,168.00</u>	<u>13.0</u>
5 <u>15:30</u>	<u>5.12</u>	<u>1,167.00</u>	<u>13.0</u>

DETERMINATION OF PD AND PCC (PCC ONLY)

No. Revs.	Time (sec)	Rate (rev/sec)	Avg. Rate (0.0000)
1 <u>20</u>	<u>25.65</u>	<u>0.7797</u>	<u>0.7773</u>
2 <u>20</u>	<u>25.78</u>	<u>0.7758</u>	
3 <u>20</u>	<u>25.56</u>	<u>0.7825</u>	
4 <u>20</u>	<u>25.81</u>	<u>0.7749</u>	
5 <u>20</u>	<u>25.85</u>	<u>0.7737</u>	
PD = Avg. Rate x 3.6 x Pt x Ct x Kh = <u>5.04</u> kW (to 0.00)			
PCC = (5433 x PD) ÷ (QT) = <u>23.5</u> kWh/af (to 0.0)			

For PCC, Owner/Agent is REQUIRED to complete Owner/Agent Info and Variance Request (Page 2).

STATIC WATER LEVEL (PCC ONLY)

Pump run time prior to arrival: 15 min
Static Water Level (Decimal Feet from Discharge Centerline):
Time of Static Water Level Measurement: n/a
If Water Levels cannot be obtained, provide reason: not accessible

BEFORE THE COLORADO GROUND WATER COMMISSION

CONCERNING THE SOUTHERN HIGH PLAINS DESIGNATED GROUND WATER BASIN BACA COUNTY

TAKE NOTICE that pursuant to Section 37-90-107(1), C.R.S., as amended JDM Farmland LLC has made application for the appropriation of designated ground water through an existing well with a permitted location of 90 feet from the North section line and 275 feet from the East section line, in the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 35, Township 32 South, Range 48 West of the 6th Principal Meridian. This is an increase in appropriation on an existing well with Permit No. 77052-F. The well with permit no. 77052-F has a permitted pumping rate of 1200 gpm, a permitted annual appropriation of 829.5 acre-feet per year, and a permitted use of irrigation of 474 acres described as a 474-acre circle covering the S1/2 of Section 26 and the N1/2 of Section 35, Township 32 South, Range 48 West of the 6th Principal Meridian. The depth of the well is 618 feet, and the source of water is the Southern High Plains aquifer. The ground water from the proposed new appropriation is to be used for irrigation of the 474 acres previously described, with a proposed additional maximum annual amount of ground water to be appropriated of 476.2 acre-feet. The applicant has submitted a Well Measurement Verification Form demonstrating that the well with permit no. 77052-F has a sustained yield of 1163.2 GPM. The combined irrigated acres and maximum annual appropriation for this well under this application and permit no. 77052-F will total 474 acres and 1305.7 acre-feet respectively.

ALSO TAKE NOTICE that in accordance with the Designated Basin Rule 11, the Colorado Ground Water Commission is considering the following request for an exception from the strict application of Designated Basin Rule 5.5 which states: "Water Quantity Requirements for Issuance of New Permits for Irrigation Use - For new permits, the amount of water to be appropriated for irrigation of agricultural lands shall be 2-1/2 acre-feet per irrigated acre for all aquifers in all designated basins except the Southern High Plains Basin where this amount shall be 3-1/2 acre-feet per acre. In reviewing permit applications, the amount of water available for appropriation must be sufficient to irrigate the requested acreage at the prescribed rate unless an exception is granted by the Commission".

Pursuant to Rule 11.1.1, the applicant has requested that the Commission grant an exception to Rule 5.5 to allow for a duty of water of 2.75 acre-feet per irrigated acre allowing for permit no. 77052-F and any permit approved under the application discussed above to use 1,305.7 acre-feet of water at 1163.2 GPM to irrigate a 474-acre circle covering the S1/2 of Section 26 and the N1/2 of Section 35, Township 32 South, Range 48 West, 6th P.M.

A hearing on the variance request will be held during the regularly scheduled Colorado Ground Water Commission Meeting which will commence at 10:00 am on Friday, February 16, 2018 in the Centennial Building, 1313 Sherman St., Rm 318, Denver Co 80203.

Any person wishing to object to the issuance of this permit or the variance request must do so in writing briefly stating the nature of the objection. The objection must be accompanied by a \$10 fee for each objection filed and must be received by the Colorado Ground Water Commission, 818 Centennial Building, 1313 Sherman Street, Denver, Colorado 80203, by January 25, 2018.



COLORADO
Division of Water Resources
Department of Natural Resources

RECEIVED
JAN 29 2018
WATER RESOURCES
STATE ENGINEER
COLO

24

PAID

by H+W
#11714
1/22/18

January 17, 2018

JDM Farmland
c/o Helton & Williamsen, P.C.
Daniel J Gillham, P.E.
384 Inverness Parkway Suite 144
Englewood Co 80112-5822

Invoice No. 18-PUB-53

INVOICE

Your application to appropriate Designated Ground Water through a well located in the NE1/4 of Section 35, Township 32 South, Range 48 West, 6th P.M., Receipt No. 3682651 was published in the Plainsman Herald newspaper on December 19 and 26, 2017. The following cost was incurred:

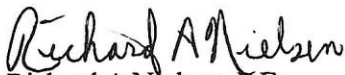
1. Actual cost of publication: \$ 109.71
2. Additional fees: none

PAYABLE TO: DIVISION OF WATER RESOURCES \$ 109.71

Your application cannot be considered for approval until the charges are paid.

Pursuant to Rule 11.2.5, the remittance must be received no later than February 9, 2018 for your hearing before the Colorado Ground Water Commission to proceed at the February 16, 2018 Commission meeting.

(A copy of the publication affidavit is enclosed for your records.)


Richard A Nielsen, P.E.
Water Resource Engineer

Transaction #: 3684527
Date: 1/29/2018 2:29:42 PM
Transaction Total: \$109.71
CHECK #11714 \$109.71

