

Kansas Department of Agriculture
Division of Water Resources
PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: <p style="text-align: center; font-size: 1.2em;">49,768</p>	2. Status Change Date: <p style="text-align: center; font-size: 1.2em;"><i>5/25/2017</i></p>	3. Field Office: <p style="text-align: center; font-size: 1.2em;">01</p>	4. GMD: <p style="text-align: center; font-size: 1.2em;">0</p>
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5. Status: Approved Denied by DWR/GMD Dismiss by Request/Failure to Return

6. Enclosures: Check Valve N of C Form Water Tube Driller Copy Meter

<p>7a. Applicant(s) Person ID 64302 New to system <input type="checkbox"/> Add Seq# _____</p> <p style="margin-left: 20px;">SCOTT HOWE 12780 MADISON RD RILEY KS 66531-9521</p>	<p>7c. Landowner(s) Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p>
<p>7b. Landowner(s) Person ID _____</p> <p>7a.</p>	<p>7d. Misc. Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p>

<p>8. WUR Correspondent Person ID _____ New to system <input type="checkbox"/> Add Seq# _____ Overlap File (s) WUC Notarized WUC Form <input type="checkbox"/> Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>7a.</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>
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10. Completion Date: 12/31/2018 11. Perfection Date: 12/31/2022 12. Exp Date: _____

13. Conservation Plan Required? Yes No Date Required: _____ Date Approved: _____ Date to Comply: _____

14. Water Level Measuring Device? Yes No Date to Comply: _____ Date WLMD Installed: _____

Date Prepared: **5/11/2017** By: **DWS**
Date Entered: *5/25/2017* By: *UM*

File No. 49,768	15. Formation Code: 500 540	Drainage Basin: KANSAS River	County: RL	Special Use:	Stream:																																																																																																																																																																														
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KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: May 11, 2017

FROM: Doug Schemm

RE: Application, File No. 49,768

Scott Howe has filed the referenced application to appropriate 157.3 acre-feet of groundwater from an existing battery of wells at the rate of 195 gallons per minute to irrigate 144 acres in Riley County. The proposed place of use is wholly owned by the applicant and he has signed the application form stating he has access to the point of diversion. Note that one of the wells in the battery is in Section 35, Township 8 South, while the other well is in Section 2, Township 9 South, both in Range 5 East. The point of diversion and a portion of the place of use are currently authorized under Appropriation of Water, File No. 46,419. An application to Change the Place of Use has been filed on this senior water right to create a complete overlap in place of use with the new application. Note that the senior file also has a proposed (draft) certificate pending.

Water Right, File No. 46,419 is authorized 31.5 acre-feet at a diversion rate of 135 gallons per minute. The requested quantity of water under the new application of 157.3 acre-feet for the irrigation of 144 acres of land, is equivalent to 1.1 acre-feet per acre. This is the maximum allowable quantity for "normal" irrigation use in Riley County, per K.A.R. 5-3-19 and K.A.R. 5-3-24. However, similar applications (see File No. 46,192) for irrigation of nursery stock (i.e. ornamental shrubs and trees) have shown that additional water is necessary. Estimates range from 15,000 to 40,000 gallons of water per acre per day (15,000 gpd x 120 days x 144 acres = 795 acre-feet). Kansas State University Extension Service also notes that proper watering means the difference between success and failure, and newly planted trees must be watered one to two times per week. The requested quantity of water plus the authorized quantity under File No. 46,419 provides a combined total of 188.8 acre-feet, and appears to be reasonable for the intended use, and is allowed for under K.A.R. 5-3-20(c)(1). Therefore, this junior file will provide all additional quantity of water and rate of diversion when combined with Water Right, File No. 46,419.

The applicant identified multiple nearby well owners, and notification letters were sent out to all well owners on April 3, 2017. Note that the notification letter also referenced the pending Change Application for File No. 46,419. A telephone call was received from one nearby domestic well owner (Vicki Huff), who expressed concern of how approval of this application would impact the local aquifer. She did not provide any specific information indicating that this approval would impair her domestic water right (her well is over 2,200 feet away). This pending application is requesting additional quantity and rate of diversion from an existing well battery that has operated for many years. The proposed point of diversion meets spacing to all existing wells per K.A.R. 5-4-4. The nearest domestic well is located approximately 1,300 feet from the proposed point of diversion, while the nearest non-domestic well is located over 1,600 feet away. There is no indication that approval of this application will impair any senior water right.

A well log for the senior file, and other nearby wells in the KGS WWC-5 database, show the only lithologic units encountered were alternating limestone and shale layers. They also contain comments such as "broken limestone" and indicate where water was encountered on the well log. KGS Bulletin No. 39, "The Geology of Riley and Geary Counties, Kansas" states that the Cottonwood limestone and the Fort Riley limestone are the chief aquifers throughout the two counties. The bulletin *notes that the limestone strata if unbroken and unweathered is virtually impermeable, but, as it is slightly soluble in ground water, solution channels develop along bedding and joint planes when the rock has been in contact with water for some time. Therefore, in the plateau-like uplands where limestone lies just below the surface soil mantle it can be expected to carry large quantities of water. The City of Riley obtains its water from a well that penetrates the Barneston limestone at a depth of 128 feet. The well produces 25 to 45 gallons of water a minute through a 10-inch drill hole.*

Leonardville, in the western part of Riley County, obtains water for the municipal system from two wells, drilled into the Barneston limestone at depths of 157 and 160 feet. One of these wells produces as much as 89 gallons a minute. The two wells are said to have produced 23,874,800 gallons of water in one year. These city wells give evidence of the large supply of fresh water obtainable from limestone beds below extensive dip slopes, and the importance of this supply was noted by Haworth (1913, pp. 87-89), when he cited the many farm wells near Leonardville and in similar geological surroundings near Winfield, Cowley County, Kansas. In Riley and Geary counties, the Cottonwood limestone, Fort Riley limestone, and Florence limestone are the most important water-bearing limestones. Locally other limestone beds are aquifers.

In keeping with the senior file, and based on local well logs, the area of consideration is the extent of the bedrock aquifer in the two-mile circle, which was determined to be 8,042 acres. Based on a potential recharge of 2.64 inches, with 75% available for appropriation, safe yield was determined to be 1,326.9 acre-feet. Existing water rights within this area of consideration have appropriated 236.2 acre-feet, leaving 1,090.7 acre-feet available, and the application clearly meets safe yield criteria.

Please note that this safe yield value per K.A.R. 5-3-11 provides the maximum allowable recharge for the area of consideration. If there is a significant quantity of water still remaining as determined by K.A.R. 5-3-11, then even with a considerable reduction in the amount of recharge reaching the deeper aquifer there would still be sufficient water available. For this application the maximum recharge could be reduced to only 0.8 inches of recharge and there would still be sufficient water available.

The applicant has submitted a signed Minimum Desirable Streamflow form, which has been properly notarized. By completing this statement, the applicant affirms his/her knowledge that there could be times when the diversion of water may not be allowed under this permit.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed.

In a May 11, 2017 discussion, Katie Tietz, Water Commissioner, Topeka Field Office, recommended approval of the referenced application. Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced new application be approved, in conjunction with the change application for File No. 46,419.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

May 26, 2017

SCOTT HOWE
12780 MADISON RD
RILEY KS 66531-9521

FILE COPY

RE: Appropriation of Water, File No. 49,768

Dear Mr. Howe:

There is enclosed a permit to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the location specified in the permit, and to use it for the purpose and at the location described in the permit.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. A water meter is required on the proposed diversion works and you must install it prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meter should be used to provide the information required on the annual water use report.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed.

All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right. If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

**APPROVAL OF APPLICATION
and
PERMIT TO PROCEED**
(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, **File No. 49,768** of the applicant

**SCOTT HOWE
12780 MADISON RD
RILEY KS 66531-9521**

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **January 27, 2017**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼				
35	8	5E																19	40	40	19	118
2	9	5E	3	23																		26

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of two (2) wells with a geographic center located in the Northeast Quarter of the Northwest Quarter of the Northeast Quarter (NE¼ NW¼ NE¼) of Section 2, more particularly described as being near a point 5,242 feet North and 1,822 feet West of the Southeast corner of said section, in Township 9 South, Range 5 East, Riley County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **195 gallons per minute** (0.43 c.f.s.) and to a quantity not to exceed **157.3 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2018**, or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee, which is currently \$400.00, when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2022**, or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee, which is currently \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

CERTIFICATE OF SERVICE

On this *26th* day of *May*, 2017, I hereby certify that the foregoing Approval of Application, File No. 49,768, dated *May 25, 2017* was mailed postage prepaid, first class, US mail to the following:

SCOTT HOWE
12780 MADISON RD
RILEY KS 66531-9521

With photocopies to:

Topeka Field Office



Division of Water Resources

APPLICATION COMPLETE

5/9/2017

Reviewer DWS

THE STATE



OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE

Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES

David W. Barfield, Chief Engineer

File Number

49768

This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED

JAN 27 2017

11:53

KS DEPT OF AGRICULTURE

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Scott Howe
Address: 12780 Madison Rd
City: Riley State KS Zip Code 66531
Telephone Number: (785) 556-0280

2. The source of water is: surface water in _____ (stream)
OR groundwater in Kansas River Basin (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 157.3 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 195 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:

F.O. 1 GMD 0 Meets K.A.R. 5-3-1 (YES / NO) Use RR Source G S County RL By DW Date 1/27/17
Code LES Fee \$ 300 TR # _____ Receipt Date 1/27/17 Check # CC

* Updated Feet Distances to correspond with Senior File 46,419. DWS/DWR 3/29/17

File No. 49,768

* 5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

Geo-Center (A) One in the NE quarter of the NW quarter of the NE quarter of Section 2, more particularly described as being near a point ⁵²⁴²~~5190~~ feet North and ¹⁸²²~~1737~~ feet West of the Southeast corner of said section, in Township 9 South, Range 5 East, Riley County, Kansas.

Batt 1 of 2 (B) One in the NE quarter of the NW quarter of the NE quarter of Section 2, more particularly described as being near a point ⁵¹³⁸~~5094~~ feet North and ¹⁹¹⁵~~1938~~ feet West of the Southeast corner of said section, in Township 9 South, Range 5 East, Riley County, Kansas.

Batt 1 of 2 (C) One in the SE quarter of the SW quarter of the SE quarter of Section 35, more particularly described as being near a point ⁶⁶~~5~~ feet North and ¹⁷²⁹~~1536~~ feet West of the Southeast corner of said section, in Township 8 South, Range 5 East, Riley County, Kansas.

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

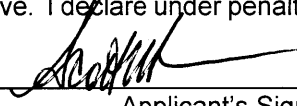
6. The owner of the point of diversion, if other than the applicant is (please print):

(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, 20____. 
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of battery of 2 wells
(number of wells, pumps or dams, etc.)
and was completed (by) 2007
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be ASAP
(Mo/Day/Year)

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required n/a

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

pd and pu overlap with 46,419 - increase in pu and quantity

Howe Landscape no longer in existence - Mr. Howe's new use will increase acreage of trees on drip.

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	<u>n/a</u>	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of owner
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

(name, address and telephone number)

(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Manhattan, Kansas, this 27 day of January, 2017.
(month) (year)



(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by KAB/DWR HQ Date: 1/27/2017
(office/title)

* Per senior File 46,49 DWS/DWR
3/29/17

49768

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 49,768

Name of Applicant (Please Print): Scott Howe

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Scott Howe

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
35	8S	5E															19	40	40	19	118
*	2	9S	5E	3	23																2526

Total = 144 acres

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			

WATER RESOURCES
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JAN 27 2017

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): _____%

Estimate the maximum land slope in the field(s): _____%

c. Type of irrigation system you propose to use (check one):

Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: _____ psi

(2) What is the sprinkler package design rate? _____ gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet

(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

You may attach any additional information you believe will assist in informing the Division of the need for your request.

49,768

(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application
File No. 49,768

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

[Signature]
Signature of Applicant

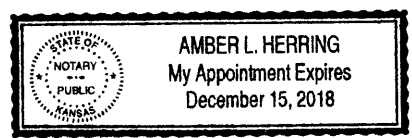
State of Kansas)
County of Riley) ss

(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 27th day of January, 2017.

[Signature]
Notary Public

My Commission Expires:



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**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

#49,768
Meets Safe Yield

Analysis Results

The selected PD is in an area to new appropriations.
 The safe yield, based on the variables listed below is 1,326.93 AF.
 Total prior appropriation in the circle is 393.51 AF. $-157.3 = 236.21$
 Total quantity of water available for appropriation is ~~933.42~~ AF.
 1090.72

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.
 Potential annual recharge of the area is estimated to be 2.64 inches.
 The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 03-APR-2017 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 8 water right(s) and 13 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth_Quant	Add_Quant	Tacres	Nacres
A 9046	00	MUN	NK	G	NW	SE	NE	3914	823	02	09	05E	2	WR	52.82	52.82		
Same		MUN	NK	G	NW	NE	NW	5270	3625	01	09	05E	3	WR				
Same		MUN	NK	G	SW	NE	NW	4015	3687	01	09	05E	1	WR				
A 33474	00	MUN	NK	G	SW	SW	NW	3218	4708	01	09	05E	8	WR	26.97	26.97		
Same		MUN	NK	G	NW	SW	NW	3628	4679	01	09	05E	7	WR				
Same		MUN	NK	G	NW	SW	NW	3423	4693	01	09	05E	9	WR				
A 38077	05	DOM	NK	G	NW	NE	SW	2488	3673	06	09	06E	1	WR	1.34	0.85		
Same		DOM	NK	G	NW	NE	SW	2433	3746	06	09	06E	2	WR				
Same		DOM	NK	G	NW	NE	SW	2542	3599	06	09	06E	3	WR				
A 46308	00	MUN	LO	G	NW	NE	NW	4646	3584	01	09	05E	2	WR	41.43	41.43		
A 46309	00	MUN	LO	G	SW	SW	NW	3218	4708	01	09	05E	8	WR	43.59	43.59		
Same		MUN	LO	G	NW	SW	NW	3628	4679	01	09	05E	7	WR				
Same		MUN	LO	G	NW	SW	NW	3423	4693	01	09	05E	9	WR				
A 46419	00	IRR	MM	G	NE	NW	NE	5190	1737	02	09	05E	3	WR	50.60	50.60	46.00	46.00
Same		IRR	MM	G	NE	NW	NE	5094	1938	02	09	05E	4	WR				
Same		IRR	MM	G	SE	SW	SE	5	1536	35	08	05E	1	WR				
A 49768	00	IRR	AY	G	NE	NW	NE	5190	1737	02	09	05E	3	WR	157.30	157.30	143.00	0.00
Same		IRR	AY	G	NE	NW	NE	5094	1938	02	09	05E	4	WR				
Same		IRR	AY	G	SE	SW	SE	5	1536	35	08	05E	1	WR				
V RL 2	00	MUN	AA	G	NW	NE	NW	4646	3584	01	09	05E	2	WR	19.95	19.95		

Safe Yield Report Sheet
Water Right- A4976800
Point of Diversion in NENWNE 2-9S-5E



Water Rights and Points of Diversion Within 2.00 miles of point defined as:

5242 ft N and 1822 ft W of the SE Corner of Section 2, T 9S, R 5E
Located at: 96.837081 West Longitude and 39.305987 North Latitude

All permitted wells > 1,320' meets spacing

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 9046	00	MUN	NK	G	3671	--	SW	NE	NW	4015	3687	1	9	5E	1	52.82	52.82	AF	
Same					3483	--	NW	NE	NW	5270	3625	1	9	5E	3				
Same					1662	--	NW	SE	NE	3914	823	2	9	5E	2				
A__ 33474	00	MUN	NK	G	3088	--	NW	SW	NW	3423	4693	1	9	5E	9 G	26.97	26.97	AF	
Same					2976	--	NW	SW	NW	3628	4679	1	9	5E	7 B	2			
Same					3208	--	SW	SW	NW	3218	4708	1	9	5E	8 B	2			
A__ 38077	05	DOM	NK	G	9151	--	NW	NE	SW	2488	3673	6	9	6E	1 G	1.34	.85	AF	
Same					9099	--	NW	NE	SW	2433	3746	6	9	6E	2 B	2			
Same					9205	--	NW	NE	SW	2542	3599	6	9	6E	3 B	2			
A__ 46308	00	MUN	LO	G	3593	--	NW	NE	NW	4646	3584	1	9	5E	2	41.43	41.43	AF	
A__ 46309	00	MUN	LO	G	3088	--	NW	SW	NW	3423	4693	1	9	5E	9 G	43.59	43.59	AF	
Same					2976	--	NW	SW	NW	3628	4679	1	9	5E	7 B	2			
Same					3208	--	SW	SW	NW	3218	4708	1	9	5E	8 B	2			
A__ 46419	00	IRR	MM	G	100	--	NE	NW	NE	5190	1737	2	9	5E	3 G	50.60	50.60	AF	
Same					321	--	SE	SW	SE	5	1536	35	8	5E	1 B	2			
Same					188	--	NE	NW	NE	5094	1938	2	9	5E	4 B	2			
A__ 49768	00	IRR	AY	G	100	--	NE	NW	NE	5190	1737	2	9	5E	3 G	157.30	157.30	AF	
Same					321	--	SE	SW	SE	5	1536	35	8	5E	1 B	2			
Same					188	--	NE	NW	NE	5094	1938	2	9	5E	4 B	2			
VRL	2	00	MUN	AA	G	3593	--	NW	NE	NW	4646	3584	1	9	5E	2	19.95	19.95	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	157.30	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	85.02	.00
Total Pro_Cert Amount (AF) =	50.60	.00
Total Certified Amount (AF) =	80.64	.00
Total Vested Amount (AF) =	19.95	.00
TOTAL AMOUNT (AF) =	393.51	.00

An * after the source of supply indicates a pending application for change for the file number.
An * after the ID indicates a 15 AF exemption was granted for the file number.
A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

96.837081 West Longitude and 39.305987 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR	
A__ 9046	00	MUN	NK	G
>	CITY OF RILEY			
>	CITY CLERK			
>	PO BOX 314			
>	RILEY KS 66531			
>	-----			

A__ 33474 00 MUN NK G
> CITY OF RILEY
> CITY CLERK
> PO BOX 314
> RILEY KS 66531

A__ 38077 05 DOM NK G
> VISSER FARMS INC
> VINTON VISSER
> 9931 MADISON RD
> RILEY KS 66531

A__ 46308 00 MUN LO G
> CITY OF RILEY
> CITY CLERK
> PO BOX 314
> RILEY KS 66531

A__ 46309 00 MUN LO G
> CITY OF RILEY
> CITY CLERK
> PO BOX 314
> RILEY KS 66531

A__ 46419 00 IRR MM G
> SCOTT HOWE
>
> 12780 MADISON RD
> RILEY KS 66531

A__ 49768 00 IRR AY G
> SCOTT HOWE
>
> 12780 MADISON RD
> RILEY KS 66531

VRL 2 00 MUN AA G
> CITY OF RILEY
> CITY CLERK
> PO BOX 314
> RILEY KS 66531

=====

File No. 46,419

Senior File
0/2



1:12,000



West Well
5,138'N & 1,915'W

East Well
66'N & 1,729'W

Land Authorized

RECEIVED

MAY 18 2012

DEPT. OF AGRICULTURE

NOV 18 2011

DEPT. OF AGRICULTURE
ANNER

Watering Newly Planted and Young Trees and Shrubs

Best Management Practices

Many trees and shrubs fail to survive transplant shock because they receive too much or too little moisture. This fact sheet offers tips on proper watering techniques.

Watering at planting time

Do not plant moisture-stressed plants. Water thoroughly before planting, at planting time, and again the following day to thoroughly settle the soil and eliminate large air pockets. Water new trees frequently during the first month. Unless it rains, water container-grown or balled and burlapped (B&B) trees one to two times a week during the first month after planting.

Watering during the first year

Proper watering throughout the first growing season often means the difference between success and failure. Problems arise when the medium in the root ball accepts and retains moisture differently than surrounding soil. Backfill soil can be thoroughly saturated, while the medium in the root ball is relatively dry.

Retain water around the base of newly planted trees by building a low berm just outside the planting hole. This creates a basin to retain moisture until it soaks into the root ball and adjacent backfill soil.

Note: An alternative to a handheld garden hose is a 5 gallon bucket with one or more small holes (1/8 inch diameter) drilled in the side near the bottom. Simply fill the bucket and let it leak slowly. Bags made specifically to retain and slowly release water are also available.

After the first month, a weekly soaking to apply approximately 10 gallons of water should be sufficient to support spring- or summer-planted trees and large shrubs on most sites. On sandy soil, split the 10-gallon application into two 5-gallon applications three to four days apart. Larger B&B or spade-dug trees require more water. Add 10 more gallons per inch of trunk diameter greater than 2 inches. (Measure 6 inches above the ground.)

Smaller trees and shrubs may require less water, but the quantity should be sufficient to thoroughly moisten the entire rootball.

Note: In an effort to get new trees and shrubs off to a good start, it is easy to overreact and water too often. This keeps soil excessively wet and causes a different set of problems. Over watering can cause "wet wilt," which looks similar to wilt caused by dryness. When soil stays wet for an extended time, root damage can occur due to oxygen depletion. As a result, leaves wilt and do not recover, even if water is added.

In the absence of rainfall, continue watering newly planted deciduous trees and shrubs until their leaves fall. Evergreens should be watered until the soil freezes. But as temperatures cool and days become shorter, plants use less water. In a typical year, watering evergreen plants can be reduced to alternate weeks by mid-November.

During dry winters, water young plants, particularly evergreens, when the ground isn't frozen and a few days of mild weather are predicted.



Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service

Check moisture status as a guide

Adjust the watering schedule based on soil moisture content. Check moisture with a trowel, rod, screwdriver, or probe.

Watering young trees and shrubs during establishment

Continue regular watering as long as the tree is considered a new transplant. Without rainfall, plants require regular watering until they become established. This may take a couple of years depending on when they were planted. The establishment period for trees extends through the first three growing seasons, and even longer for larger-diameter trees.

During the second and third growing seasons after planting, continue to water trees and shrubs every 10 to 14 days if it doesn't rain and soil moisture indicates a need. As the root system of these plants extends during establishment, water in a wider ring around the plants, soaking the soil to a depth of 8 to 12 inches.

Grass competition

Turfgrass growing over the root system of young trees competes for moisture. To reduce competition, maintain a grass-free area around the base of the young tree, extending to the drip line of the outer branches or beyond.

Use mulch

An organic mulch around the base of young trees and shrubs is recommended to keep the soil mois-

ture more uniform and to stabilize soil temperature. Apply and maintain an organic mulch ring 2 to 3 inches deep around the base of the tree, covering the grass-free area. Apply mulch at least 3 feet out from the trunk, creating a ring at least 6 feet across.

Keep mulch a few inches away from the main stem of the plant. Mulch in contact with the lower bark can keep bark wet, contributing to a canker infection or decay. Especially avoid tall cones of mulch around the trunk.

Avoid the use of black plastic or fabric weed barrier as a mulch in landscape beds or borders. Plastic or fabric mulches can cause soil to stay excessively wet. This could contribute to surface rooting and interferes with gas exchange into and out of the soil.

Authors:

Emily Nolting, commercial landscape/ornamental horticulture specialist

Charles Barden, forestry specialist

Ward Upham, extension horticulture rapid response coordinator

Phil Sell, Shawnee County horticulture agent

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File # 46419

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: Riley Fraction: NE 1/4 NW 1/4 NE 1/4 Section Number: 2 Township Number: T 9 S Range Number: R 5 E

Distance and direction from nearest town or city street address of well if located within city? From Riley Co 1/2 mile west on Hwy 2 & North Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: _____ Longitude: _____ Elevation: _____ Datum: _____

2 WATER WELL OWNER: Now's Landscape Inc. RR#, St. Address, Box #: 12780 Madison Road City, State, ZIP Code: Riley, Kansas 66531-9521 Data Collection Method: _____

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

NW	NE
SW	SE

4 DEPTH OF COMPLETED WELL: 10.0! ft.

Depth(s) Groundwater Encountered (1) 6.3 ft. (2) _____ ft. (3) _____ ft.

WELL'S STATIC WATER LEVEL: 5.0 ft. below land surface measured on mo/day/yr. _____

Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm

Est. Yield: 10.0 gpm Well water was _____ ft. after _____ hours pumping _____ gpm

WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well

1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)

2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes _____ No _____; If yes, mo/day/yr Sample was submitted. _____ Water well disinfected? Yes _____ No _____

5 TYPE OF CASING USED: 1 Steel 3 PVC 3 RMP (SR) 4 ABS 5 Wrought Iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) CASING JOINTS: Glued _____ Clamped _____ Welded _____ Threaded _____

Blank casing diameter: 5 in. to 8.0 ft., Diameter _____ in. to _____ ft., Diameter _____ in. to _____ ft.

Casing height above land surface: 27 in., Weight 24.40 lbs./ft. Wall thickness or gauge No. _____

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) _____

2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Guazed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole)

2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) _____

SCREEN-PERFORATED INTERVALS: From 8.0 ft. to 100 ft., From _____ ft. to _____ ft.

GRAVEL PACK INTERVALS: From 2.5 ft. to 100 ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____

Grout Intervals: From 5 ft. to 2.5 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination: None Close

1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify below)

2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well

3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well

Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	Top Soil			
1	14	Brown Shale			
14	25	Yellow Shale			
25	48	Spine Shale			
48	54	Limestone			
54	63	Brown Shale			
63	100	Limestone			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 9/28/2006 and this record is true to the best of my knowledge and belief.

Kansas Water Well Contractor's License No. 451 This Water Well Record was completed on (mo/day/year) 9/27/2006 under the business name of Haldeman Well Drilling by (signature) _____

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdhe.state.ks.us/geo/waterwells>.

(Copy)

1 LOCATION OF WATER WELL
 County: **Riley** Fraction **NE 1/4 SW 1/4 NW 1/4** Section Number **1** Township Number **T 9 S** Range Number **R 5 E E/W**
 Distance and direction from nearest town or city? Street address of well if located within city? **Block 7, Walnut St. Riley, Kansas**

2 WATER WELL OWNER: **City of Riley Water Department**
 RR#, St. Address, Box #: **Riley, Kansas 66531** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Application Number:

3 DEPTH OF COMPLETED WELL: **91** ft. Bore Hole Diameter: **14** in. to **91** ft., and in. to ft.
 Well Water to be used as: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
 Well's static water level: **30** ft. below land surface measured on **September** month **24** day **1980** year
 Pump Test Data: Well water was **89** ft. after **1** hours pumping **70** gpm
 Est. Yield **70** gpm: Well water was ft. after hours pumping gpm

4 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
 7 Fiberglass Threaded
 Blank casing dia **8** in. to **71** ft. Dia **5.46** in. to ft. Dia in. to ft.
 Casing height above land surface **18** in. weight **5.46** lbs./ft. Wall thickness **0.332**
 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 Screen or Perforation Openings Are: 8 Saw cut 11 None (open hole)
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)
 Screen-Perforation Dia **8** in. to **91** ft. Dia in. to ft. Dia in. to ft.
 Screen-Perforated Intervals: From **71** ft. to **91** ft. From ft. to ft.
 From ft. to ft. From ft. to ft.
 Gravel Pack Intervals: From **20** ft. to **91** ft. From ft. to ft.
 From ft. to ft. From ft. to ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grouted Intervals: From **0** ft. to **20** ft. From ft. to ft. From ft. to ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well
 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below) **drainage ditch**
 Direction from well **northwest** How many feet **75**? Water Well Disinfected? Yes No
 Was a chemical/bacteriological sample submitted to Department? Yes No If yes, date sample was submitted month day year: Pump Installed? Yes No
 If Yes: Pump Manufacturer's name Model No. HP Volts
 Depth of Pump Intake ft. Pumps Capacity rated at gal./min.
 Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on **December 10** month **December** day **1980** year
 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **361**
 This Water Well Record was completed on **January** month **16** day **1981** year under the business name of **Cox - Beswick Irrigation Service, Inc.** by (signature) *James Cox*

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		0	10	Top soil & clay		
	10	20	Layers of lime rock in clay			
	20	28	Clay			
	28	29	Lime rock			
	29	37	Clay			
	37	39	Lime rock			
	39	68	Clay			
	68	87	Layers of lime rock			
	87	93	Light blue clay			
	93	105	Dark blue clay			

ELEVATION: Depth(s) Groundwater Encountered 1. **37** ft. 2. **68** ft. 3. ft. 4. ft. (Use a second sheet if needed)

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
T
9
R
5
CEN
SEC
1
N/E 1/4 SW 1/4 NW 1/4

WW329

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1] LOCATION OF WATER WELL: Fraction NW 1/4 NE 1/4 SE 1/4 Section Number 35 Township Number T 8 S Range Number R 5 E/W

Distance and direction from nearest town or city street address of well if located within city? 1.5 MILES NORTH OF RILEY

2] WATER WELL OWNER: BRAD STARKES RR#, St. Address, Box #: P.O. BOX 216 City, State, ZIP Code: RILEY, KS 66531 Board of Agriculture, Division of Water Resources Application Number:

3] LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram of section box with X in SE] 4] DEPTH OF COMPLETED WELL: 125 ft. ELEVATION: 109 ft. Depth(s) Groundwater Encountered: 1. 43 ft. 2. 109 ft. 3. ft. WELL'S STATIC WATER LEVEL: ft. below land surface measured on mo/day/yr Pump test data: Well water was ft. after hours pumping gpm Est. Yield 100 gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter: 8.75 in. to 125 ft., and in. to ft. WELL WATER TO BE USED AS: 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes X No

5] TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped 2 PVC 4 ABS 7 Fiberglass Threaded Blank casing diameter 5 in. to 106 ft., Dia. in. to ft., Dia. in. to ft. Casing height above land surface: 18 in., weight lbs./ft. Wall thickness or gauge No. 50K 26 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 8 RMP (SR) 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 10 Other (specify) ft. SCREEN-PERFORATED INTERVALS: From 106 ft. to 126 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 80 ft. to 125 ft., From ft. to ft. From 25 ft. to 48 ft., From ft. to ft.

6] GROUT MATERIAL: 1 Neat cement 2 Cement grout 4 Bentonite 4 Other Grout Intervals: From 0 ft. to 25 ft., From 48 ft. to 80 ft., From ft. to ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below) NEW CONSTRUCTION SITE 13 Insecticide storage How many feet?

Direction from well? FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS

0	26	CLAY BROWN/GRAVEL TO RED			
26	36	SHALE TAN			
36	41	LIMESTONE FRAGMENTS, TAN			
41	43	LIMESTONE TAN, H2O			
43	53	SHALE TAN			
53	55	LIMESTONE TAN			
55	61	SHALE GRAY			
61	63	LIMESTONE TAN			
63	101	SHALE TAN GRADUALLY GRAY TO RED			
101	103	LIMESTONE TAN			
103	109	SHALE TAN			
109	117	LIMESTONE TAN, H2O			
117	126	MUDSTONE			
	126	TD			

7] CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5/10/02 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. 585 This Water Well Record was completed on (mo/day/yr) 5/17/02 under the business name of ASSOCIATED ENVIRONMENTAL, INC. by (signature)

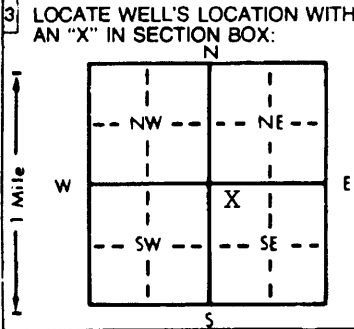
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone 785-296-5524. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: RITLEY Fraction: NW 1/4 NW 1/4 SE 1/4 Section Number: 10 Township Number: T 8S S Range Number: R 5E E/W

Distance and direction from nearest town or city street address of well if located within city?
1/2 mile north of Leonardville

2 WATER WELL OWNER: City of Leonardville WELL # 5 Board of Agriculture, Division of Water Resources
 RR#, St. Address, Box # : _____ Application Number: _____
 City, State, ZIP Code : Leonardville, KS 66449



4 DEPTH OF COMPLETED WELL: 140' ft. ELEVATION: _____ ft.
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 39' ft. below land surface measured on mo/day/yr 04/23/98
 Pump test data: Well water was 51'-10" ft. after 1 1/2 hours pumping 75 gpm
 Est. Yield 75 gpm: Well water was 52'-3" ft. after 3.3/4 hours pumping 75 gpm
 Bore Hole Diameter: 15" in. to _____ ft. and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No _____; If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes X No _____

5 TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped _____
 2 PVC 4 ABS 7 Fiberglass 9 Other (specify below) Welded _____
 Threaded _____
 Blank casing diameter: 8" in. to 0-70 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 24" in., weight 5.58 lbs./ft. Wall thickness or gauge No. 332
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 11 Other (specify) _____
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 70 ft. to 140 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 50 ft. to 140 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage
 Direction from well? None within 1/4 mile How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	Top Soil	82	92	Shale-Grey
1	6	Clay-Brown	92	94	Shaley LS-Tan
6	31	Shale-Yellow	94	95	LS-Y-Loose
31	34	Shale-Grey	95	98	LS-Yellow
34	37	Shale-Yellow	98	109	Shale-Red
37	39	Liney Shale-Yellow	109	110	Shale-Yellow
39	41	Limestone-Yellow	110	113	Shale-Red
41	59	Shale-Yellow	113	116	Shale-Tan
59	61	Shale-Grey	116	121	LS-Tan-Brown
61	63	Shale-Red	121	122	LS-Tan-Yellow-loose
63	65	Shale-Tan	122	126	LS-Tan-Cherty-Flinty
65	70	Shale-Grey	126	127	LS-Tan-Loose
70	72	Shale-Yellow	127	133	LS-Tan-Cherty
72	81	Limestone-Yellow	133	140	Shale-Grey
81	82	Shale-Yellow	140	141	LS-Tan 141-146 Shale-Grey

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) X 04/23/98 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 5-8-98 under the business name of STRADER DRILLING CO., INC. by (signature) Dale Ashen

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001 Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records

OFFICE USE ONLY T R E/W SEC 1/4 1/4

WATER WELL RECORD Form WWC-5 1092268

Division of Water Resources App. No.

[]

Well ID []

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Riley Fraction NW 1/4 NE 1/4 NE 1/4 SE 1/4 Section Number 1 Township Number T 9 S Range Number R 5 E W

2 WELL OWNER: Last Name: Abel First: Lvnn Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: [x] Business: Address: 11677 E. Kansas Ave. Address: City: Riley State: KS ZIP: 66549

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S [Diagram showing a 2x2 grid with 'X' in the SE quadrant]

4 DEPTH OF COMPLETED WELL: 110 ft. Depth(s) Groundwater Encountered: 1) 79 ft. 2) ... ft. 3) ... ft., or 4) [] Dry Well WELL'S STATIC WATER LEVEL: 44 ft. [x] below land surface, measured on (mo-day-yr) 8/9/2012. [] above land surface, measured on (mo-day-yr) ... ft. Pump test data: Well water was ... ft. after ... hours pumping ... gpm Well water was ... ft. after ... hours pumping ... gpm Estimated Yield: 15 gpm Bore Hole Diameter: 10 in. to 110 ft. and ... in. to ... ft.

5 Latitude: 39.298157 (decimal degrees) Longitude: 96.814098 (decimal degrees) Datum: [x] WGS 84 [] NAD 83 [] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model: ... (WAAS enabled? [] Yes [] No) [] Land Survey [] Topographic Map [] Online Mapper: ...

6 Elevation: 1316 ft. [x] Ground Level [] TOC Source: [] Land Survey [] GPS [] Topographic Map [x] Other: KOLAR

7 WELL WATER TO BE USED AS: 1. Domestic: [x] Household [] Lawn & Garden [] Livestock 2. [] Irrigation 3. [] Feedlot 4. [] Industrial 5. [] Public Water Supply: well ID ... 6. [] Dewatering: how many wells? ... 7. [] Aquifer Recharge: well ID ... 8. [] Monitoring: well ID ... 9. Environmental Remediation: well ID ... [] Air Sparge [] Soil Vapor Extraction [] Recovery [] Injection 10. [] Oil Field Water Supply: lease ... 11. Test Hole: well ID ... [] Cased [] Uncased [] Geotechnical 12. Geothermal: how many bores? ... a) Closed Loop [] Horizontal [] Vertical b) Open Loop [] Surface Discharge [] Inj. of Water 13. [] Other (specify): ...

Was a chemical/bacteriological sample submitted to KDHE? [] Yes [x] No If yes, date sample was submitted: ... Water well disinfected? [x] Yes [] No

8 TYPE OF CASING USED: [] Steel [x] PVC [] Other ... CASING JOINTS: [x] Glued [] Clamped [] Welded [] Threaded Casing diameter 6 in. to 110 ft., Diameter ... in. to ... ft., Diameter ... in. to ... ft. Casing height above land surface 18 in. Weight ... lbs./ft. Wall thickness or gauge No. SDR32 TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [x] PVC [] Other (Specify) ... [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [] Continuous Slot [x] Mill Slot [] Gauze Wrapped [] Torch Cut [] Drilled Holes [] Other (Specify) ... [] Louvered Shutter [] Key Punched [] Wire Wrapped [] Saw Cut [] None (Open Hole) SCREEN-PERFORATED INTERVALS: From 75 ft. to 95 ft., From ... ft. to ... ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 30 ft. to 110 ft., From ... ft. to ... ft., From ... ft. to ... ft.

9 GROUT MATERIAL: [] Neat cement [] Cement grout [x] Bentonite [] Other ... Grout Intervals: From 0 ft. to 30 ft., From ... ft. to ... ft., From ... ft. to ... ft. Nearest source of possible contamination: [] Septic Tank [] Lateral Lines [] Pit Privy [] Livestock Pens [] Insecticide Storage [] Sewer Lines [] Cess Pool [] Sewage Lagoon [] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well/Gas Well [x] Other (Specify) House Direction from well? NE Distance from well? 50 ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include 'Attached' and 'Notes'.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [x] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo-day-year) 8/9/2012 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 760 This Water Well Record was completed on (mo-day-year) 8/16/2012 under the business name of Associated Drilling, Inc.

Form	WWC5
Contractor	Associated Drilling, Inc.
Well Owner	Lynn Abel
Doc ID	1092268

Litholgy

0	7	Red Clay
7	9	Grey Shale
9	17	Limestone
17	21	Grey Shale
21	26	Limestone
26	36	Grey Shale
36	38	Limestone
38	42	Light Grey Shale
42	47	Limestone
47	54	Grey Shale
54	67	Soft Grey Shale
67	78	Brown Shale
78	86	Limestone-Broken Water
86	98	Limestone
98	101	Grey Shale
101	110	Red Shale


Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov
Sam Brownback, Governor

April 24, 2017

CITY OF RILEY
CITY CLERK
PO BOX 314
RILEY KS 66531-0314

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

This is to advise you that Scott Howe has filed the new application referred to above for a permit to appropriate 157.3 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 195 gallons per minute. In addition, an Application to Change the Place of Use has been filed for Appropriation of Water, File No. 46,419. Please note that the new application is requesting an additional quantity of water and rate of diversion from an **existing battery of wells** currently authorized under Appropriation of Water, File No. 46,419. The geographic center of the well battery is located as follows:

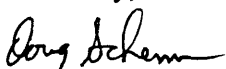
In the Northeast Quarter of the Northwest Quarter of the Northeast Quarter of Section 2,
in Township 9 South, Range 5 East, Riley County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of these applications in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

You can find both of the applications and site maps posted by the file numbers referenced above at:
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

If you have any questions or comments, you may also contact me at (785) 296-3495. If you call, please reference the file number so I can help you more efficiently.

Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe


Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov

Sam Brownback, Governor

April 24, 2017

VICKIE L HUFF
12660 KANSAS AVE
RILEY KS 66531-9784

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

This is to advise you that Scott Howe has filed the new application referred to above for a permit to appropriate 157.3 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 195 gallons per minute. In addition, an Application to Change the Place of Use has been filed for Appropriation of Water, File No. 46,419. Please note that the new application is requesting an additional quantity of water and rate of diversion from an **existing battery of wells** currently authorized under Appropriation of Water, File No. 46,419. The geographic center of the well battery is located as follows:

In the Northeast Quarter of the Northwest Quarter of the Northeast Quarter of Section 2,
in Township 9 South, Range 5 East, Riley County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of these applications in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

You can find both of the applications and site maps posted by the file numbers referenced above at:
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

If you have any questions or comments, you may also contact me at (785) 296-3495. If you call, please reference the file number so I can help you more efficiently.

Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe

The logo for the Kansas Department of Agriculture, Division of Water Resources. It features the word "Kansas" in a large, serif font, with a decorative arch of stars above it. Below "Kansas" are the words "Department of Agriculture" and "Division of Water Resources" in a smaller, sans-serif font.

Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov

Sam Brownback, Governor

April 24, 2017

WADE A WALTERS
CYNTHIA A MCNULTY
12820 W KANSAS AVE
RILEY KS 66531

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

This is to advise you that Scott Howe has filed the new application referred to above for a permit to appropriate 157.3 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 195 gallons per minute. In addition, an Application to Change the Place of Use has been filed for Appropriation of Water, File No. 46,419. Please note that the new application is requesting an additional quantity of water and rate of diversion from an **existing battery of wells** currently authorized under Appropriation of Water, File No. 46,419. The geographic center of the well battery is located as follows:

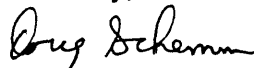
In the Northeast Quarter of the Northwest Quarter of the Northeast Quarter of Section 2,
in Township 9 South, Range 5 East, Riley County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of these applications in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

You can find both of the applications and site maps posted by the file numbers referenced above at:
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

If you have any questions or comments, you may also contact me at (785) 296-3495. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Doug Schemm".

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe


Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov

Sam Brownback, Governor

April 24, 2017

AUTUMN HILLS LLC
7595 FALCON RD
RILEY KS 66531

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

This is to advise you that Scott Howe has filed the new application referred to above for a permit to appropriate 157.3 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 195 gallons per minute. In addition, an Application to Change the Place of Use has been filed for Appropriation of Water, File No. 46,419. Please note that the new application is requesting an additional quantity of water and rate of diversion from an **existing battery of wells** currently authorized under Appropriation of Water, File No. 46,419. The geographic center of the well battery is located as follows:

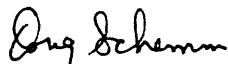
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in Township 9 South, Range 5 East, Riley County, Kansas.

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Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe


Kansas
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Sam Brownback, Governor

April 24, 2017

BRAD & MARI STARNES
7925 FALCON RD
RILEY KS 66531-9669

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

This is to advise you that Scott Howe has filed the new application referred to above for a permit to appropriate 157.3 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 195 gallons per minute. In addition, an Application to Change the Place of Use has been filed for Appropriation of Water, File No. 46,419. Please note that the new application is requesting an additional quantity of water and rate of diversion from an **existing battery of wells** currently authorized under Appropriation of Water, File No. 46,419. The geographic center of the well battery is located as follows:

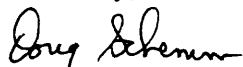
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Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
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Kansas
Department of Agriculture
Division of Water Resources

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www.agriculture.ks.gov

Sam Brownback, Governor

April 24, 2017

RUSSELL & KARLA SIMONS
7765 FALCON RD
RILEY KS 66531-9669

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

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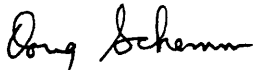
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Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe


Kansas
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Topeka Field Office
6531 SE Forbes Ave., Suite B
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Sam Brownback, Governor

April 24, 2017

WESTON & MEGAN STEINER
7859 FALCON RD
RILEY KS 66531-9669

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

Dear Sir or Madam:

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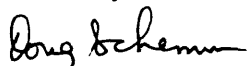
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Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe

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Sam Brownback, Governor

April 24, 2017

AARON & HEATHER TREMBLAY
7595 FALCON RD
RILEY KS 66531

Re: Pending New Application, File No. 49,768; and Appropriation of Water, File No. 46,419

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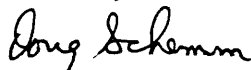
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Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Scott Howe

MANHATTAN, KS 66502-1930				
081-151-02-0-00-00-004.02-0 Quick Ref ID = 4379 Tax Year = 2017 CITY OF RILEY Owner Mailing Address: PO BOX 314 RILEY, KS 66531-0314	00000 KANSAS AVE, Riley, KS 66531 ACRES=19.98 Neighborhood=118.0	S02 , T09 , R05E , ACRES 19.9 , BEG 365' E SWCOR SW4 TH N1320' , E660' , S1320' , W660' TO POB Deed Book/Page 0810/2380 0810/4047	\$13,160 E \$4,230 V	Vacant
081-151-02-0-00-00-005.00-0 Quick Ref ID = 4380 Tax Year = 2017 SAMPSON,LOIS C;TRUST SAMPSON,LOIS C;TRUSTEE Owner Mailing Address: 1907 VERMONT ST MANHATTAN, KS 66502-2335	00000 KANSAS AVE, Riley, KS 66531 ACRES=80.19 Neighborhood=118.0	S02 , T09 , R05E , ACRES 80.7 , W2 SE4 LESS ROW Deed Book/Page 0679/0416 0798/4951	\$49,250	Agricultural Use
081-151-02-0-00-00-006.00-0 Quick Ref ID = 4381 Tax Year = 2017 CASTER,DEWEY R & KATHLEEN Owner Mailing Address: 521 S MAIN RILEY, KS 66531-9704	00000 MAIN ST, Riley, KS 66531 ACRES=38.19 Neighborhood=118.0	S02 , T09 , R05E , ACRES 37.8 , E2 SE4 S OF CTR ABAND RR, LESS BEG 30' W SE COR SE4, TH W798', N1071.95', NE791', S350', E10', S 785' TO POB & LESS BEG SECOR* Deed Book/Page 0418/0453 0832/2910 0834/1912 / 01 0834/2002 LOT 2, BLK 12, WAYNE DAVI S ADDN, TH S58.82',NWLY147 .55',N58.42',SELY147.55' TO POB	\$6,790	Agricultural Use
081-151-02-0-00-00-007.00-0 Quick Ref ID = 4382 Tax Year = 2017 CASTER,DEWEY R & KATHLEEN Owner Mailing Address: 521 S MAIN RILEY, KS 66531-9704	521 S MAIN ST, Riley, KS 66531 ACRES=20.27 Neighborhood=118.0	S02 , T09 , R05E , ACRES 20.5 , BEG 30'W SE COR SE4, TH W798', N 1071.95', NE791', S350', E10', S78 5' TO POB Deed Book/Page 0549/0100	\$3,920 A \$80,800 F	Farm Homesite
081-151-02-0-00-00-008.00-0 Quick Ref ID = 4383 Tax Year = 2017 HUFF, VICKIE L Owner Mailing Address: 12660 KANSAS AVE RILEY, KS 66531-9784	12660 KANSAS AVE, Riley, KS 66531 ACRES=36.69 Neighborhood=118.0	S02 , T09 , R05E , ACRES 36.2 , SW4 NE4 LESS S400' OF E120' OF SW4 NE4 & LESS ROW Deed Book/Page 0529/0252 0026/4321 0785/0930 /01	\$25,670 A \$150,330 F	Farm Homesite
081-151-02-0-10-01-002.00-0 Quick Ref ID = 4385 Tax Year = 2017 COPEFT LLC Owner Mailing Address: Attn: Jay & Vonda	12535 MADISON RD, Riley, KS 66531 ACRES=3.42 Neighborhood=110.0	S02, T09, R05E, ACRES 3.5, BEG NW COR LT 9 NW ADD TH S33 1.41', W444.86', N339.76', E442.8 6' TO POB Lot Width: 444.0 Lot Depth: 351.0 Deed Book/Page 0352/0246 0710/0984	\$150,620	Residential

Quick Ref ID = 4373 Tax Year = 2017 WALTERS,WADE A MCNULTY,CYNTHIA A Owner Mailing Address: 12820 W Kansas AVE Riley, KS 66531	ACRES=77.86 Neighborhood=118.0	HWY 77 LESS BEG 30'N SE COR NW4, TH W590', N450', E710', S445' TO POB LESS ROW Deed Book/Page 0618/0401 0026/4321 0785/0931 0836/4486		
081-151-02-0-00-00-002.02-0 Quick Ref ID = 4374 Tax Year = 2017 SHAWVER,M CHARLOTTE;TRUST SHAWVER,M C;TRUSTEE Owner Mailing Address: PO BOX 353 RILEY, KS 66531-0353	00000 MADISON RD, Riley, KS 66531 ACRES=17.49 Neighborhood=118.0	S02 , T09 , R05E , ACRES 17.6 , THAT PT NW4 LYG N OF HWY 77 LE SS ROW Deed Book/Page 0620/0088 0811/4776	\$7,930	Agricultural Use
081-151-02-0-00-00-002.03-0 Quick Ref ID = 4375 Tax Year = 2017 SHAWVER,S HARWOOD IV SHAWVER,KATHERINE E Owner Mailing Address: 13600 MADISON RD RILEY, KS 66531-9790	00000 CROOKED CREEK RD, Riley, KS 66531 ACRES=21.02 Neighborhood=118.0	S02 , T09 , R05E , ACRES 21.8 , THAT PT NW4 LYG S & W OF WILDC AT CRK LESS BEG 380'E & 30'N S W COR NW4, TH N488', E845', SELY ALG CRK 2000', W1683' TO POB Deed Book/Page 0632/0046 0811/4774 & LESS ROW	\$10,140	Agricultural Use
081-151-02-0-00-00-003.00-0 Quick Ref ID = 4376 Tax Year = 2017 WALTERS,WADE A MCNULTY,CYNTHIA A Owner Mailing Address: 12820 W Kansas AVE Riley, KS 66531	12820 KANSAS AVE, Riley, KS 66531 ACRES=6.33 Neighborhood=118.0	S02 , T09 , R05E , ACRES 6.6 , BEG 30'N SE COR NW4, TH W590', N 450', E710', S445' TO POB Deed Book/Page 0361/0539 26/3682 0825/5072	\$26,020 A \$182,920 F	Farm Homesite
081-151-02-0-00-00-004.00-0 Quick Ref ID = 4377 Tax Year = 2017 RUDOLPH, JAMES A Owner Mailing Address: 8899 CROOKED CREEK RD RILEY, KS 66531-9621	00000 KANSAS AVE, Riley, KS 66531 ACRES=80.08 Neighborhood=118.0	S02 , T09 , R05E , ACRES 80.0 , E2 SW4 LESS ROW Deed Book/Page 0686/0730	\$31,540	Agricultural Use
081-151-02-0-00-00-004.01-0 Quick Ref ID = 4378 Tax Year = 2017 WYATT,JUDY IRENE & DONALD Owner Mailing Address: 2108 BROWNING AVE	00000 KANSAS AVE, Riley, KS 66531 ACRES=59.68 Neighborhood=118.0	S02 , T09 , R05E , ACRES 59.3 , W2 SW4 LESS ROW & LESS BEG 365 ' E SWCOR SW4 TH N1320', E660', S1320', W660' TO POB Deed Book/Page 0686/0733 0810/2380	\$16,970	Agricultural Use

Autumn Hills LLC Owner Mailing Address: 7595 Falcon RD Riley, KS 66531		Book/Page 0541/0733 0806/2628 0026/4899		
<u>081-127-35-0-00-00-005.00-0</u> Quick Ref ID = 3723 Tax Year = 2017 STARNES,D B & MARI C Owner Mailing Address: 7925 FALCON RD RILEY, KS 66531-9669	7925 FALCON RD, Riley, KS 66531 ACRES=10.4 Neighborhood=118.0	STARNES SUBDIVISION, S35, T08, R05E, Lot 1, ACRES 10.2 Plat Book/Page K /403 Deed Book/Page 0801/3408 0867/8283	\$1,120 A \$315,300 F	Farm Homesite
<u>081-127-35-0-00-00-005.01-0</u> Quick Ref ID = 3724 Tax Year = 2017 HOWE, SCOTT E Owner Mailing Address: 12780 MADISON RD RILEY, KS 66531-9521	12780 MADISON RD, Riley, KS 66531 ACRES=20.07 Neighborhood=118.0	S35 , T08 , R05E , ACRES 20.1 , BEG SWCOR SE4 TH N545' , E1597' , S545' , W1597' TO POB Deed Book/Page 0026/2920 0026/3910 0710/0532 0713/0206 0823/4602	\$15,410	Agricultural Use
<u>081-127-35-0-00-00-005.02-0</u> Quick Ref ID = 3725 Tax Year = 2017 SIMONS,RUSSELL M & KARLA Owner Mailing Address: 7765 FALCON RD RILEY, KS 66531-9669	7765 FALCON RD, Riley, KS 66531 ACRES=6.82 Neighborhood=118.0	SIMONS SUBDIVISION , Lot 2 , ACRES 6.9 , SECTION 35 TOWNSHIP 08 RANGE 05E Plat Book/Page K /664 Deed Book/Page 0802/3494	\$360,400	Residential
<u>081-127-35-0-00-00-005.03-0</u> Quick Ref ID = 3726 Tax Year = 2017 HOWE,SCOTT E & ROSE Owner Mailing Address: 12780 MADISON RD RILEY, KS 66531-9521	00000 FALCON RD, Riley, KS 66531 ACRES=95.8 Neighborhood=118.0	S35 , T08 , R05E , ACRES 95.9 , BEG NWCOR SE4 TH E1801.48' , S56 0.28' , E112.02' , S2083.54' , W324. 24' , N545.73' , W1597.17' , N2106.4 5' TO POB Deed Book/Page 0820/2622 0838/0586	\$43,350	Agricultural Use
<u>081-127-35-0-00-00-005.04-0</u> Quick Ref ID = 3727 Tax Year = 2017 HOWE,SCOTT E & ROSE	00000 FALCON RD, Riley, KS 66531 ACRES=8.56 Neighborhood=118.0	S35, T08, R05E, ACRES 8.56, BEG NWCOR LOT 2 SIMONS SUBD TH N1211.22' , E192.12' , S433.4' ,	\$1,590	Agricultural Use

<p>Owner Mailing Address: 12780 MADISON RD RILEY, KS 66531- 9521</p>		<p>E364.39', S143.75', SWLY416.07', S229.64', SW281.83' TO POB VACATED BY PLAT OF SIMONS #2 Deed Book/Page 0802/3494</p>		
<p>081-127-35-0-00- 00-005.05-0 Quick Ref ID = 308660 Tax Year = 2017 STEINER, WESTON R & MEGAN M Owner Mailing Address: 7859 Falcon RD Riley, KS 66531- 9669</p>	<p>7859 FALCON RD, Riley, KS 66531 ACRES=4.96 Neighborhood=118.0</p>	<p>SIMONS SUBDIVISION #2, S35, T08, R05E, Lot 2, ACRES 4.96, K-810</p>	<p>\$180,500</p>	<p>Residential</p>
<p>081-127-35-0-00- 00-005.06-0 Quick Ref ID = 308661 Tax Year = 2017 SIMONS, RUSSELL M & KARLA Owner Mailing Address: 7765 FALCON RD RILEY, KS 66531- 9669</p>	<p>00000 FALCON RD, Riley, KS 66531 ACRES=3.45 Neighborhood=118.0</p>	<p>SIMONS SUBDIVISION #2, S35, T08, R05E, Lot 1, ACRES 3.45, K-810</p>	<p>\$2,290</p>	<p>Vacant</p>
<p>Back to Search Page --- Home</p>				

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THOMSON REUTERS

1320 Research Park Drive
Manhattan, Kansas 66502
Jackie McClaskey, Secretary



Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

January 27, 2017

SCOTT HOWE
12780 MADISON RD
RILEY KS 66531

FILE COPY

RE: Application
File No. 49768

Dear Sir or Madam:

Your application for permit to appropriate water in 02-09S-05E in Riley County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Brent A. Turney". The signature is written in a cursive style.

Brent A Turney, P.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD 0

SCANNED

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

WATER RESOURCES
RECEIVED

JAN 27 2017



KS DEPT OF AGRICULTURE
SCANNED

Applicant Scott Howe New Application

49768



- 1) Tremblay 7595 Falcon Rd
- 2) Auburn Hills LLC 7621 Falcon Rd
- 3) Russell Simons 7765 Falcon Rd
- 4) STEINER, Westow
- 5) BRAD SHARNES 7925 Falcon Rd.
- 6) Vicki Rooney/Huff
- 7) WADE WALTERS
- 8) 91046
- 9) 32234

	Place of Use
	Point of Diversion

All wells of any kind within a half mile of the proposed point(s) of diversion have been plotted.

WATER RESOURCES RECEIVED

JAN 27 2017

Signature _____ Date _____

1 inch = 2,000 feet
KAB/DWR
Date: 1/27/2017