

# NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 50199  
This item to be completed by the Division of Water Resources.

Water Resources  
Received

**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.)

JAN 16 2019  
11:19  
KS Dept Of Agriculture

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): Kendall R. Unruh  
Address: 118 W. John Street  
City: Galva State KS Zip Code 67443  
Telephone Number: (620) 654-7000

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in Little Arkansas River Basin - Equus Beds Aquifer (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 104 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 800 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. <u>2</u> GMD <u>2</u> Meets K.A.R. 5-3-1 (YES/NO) Use <u>1222</u> Source <u>G/S</u> County <u>MP</u> By <u>DAW</u> Date <u>1/16/19</u>	
Code <u>RES</u>	Fee \$ <u>300</u>	TR # _____	Receipt Date <u>1/16/19</u> Check # <u>4109</u>

1/22/2019 CLM

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 NW quarter of the NW quarter of the SE quarter of Section 15, more particularly described as being near a point 2417 feet North and 2250 feet West of the Southeast corner of said section, in Township 20 South, Range 1W East/West (circle one), McPherson County, Kansas.

*NW well*

(B) One in the NW quarter of the NW quarter of the SE quarter of Section 15, more particularly described as being near a point 2550 feet North and 2500 feet West of the Southeast corner of said section, in Township 20 South, Range 1W East/West (circle one), McPherson County, Kansas.

*NE well*

(C) One in the NW quarter of the NW quarter of the SE quarter of Section 15, more particularly described as being near a point 2550 feet North and 2000 feet West of the Southeast corner of said section, in Township 20 South, Range 1W East/West (circle one), McPherson County, Kansas.

*South well*

(D) One in the NW quarter of the NW quarter of the SE quarter of Section 15, more particularly described as being near a point 2150 feet North and 2250 feet West of the Southeast corner of said section, in Township 20 South, Range 1W East/West (circle one), McPherson 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):

Weldon C. & Melva Koehn, 2486 Dakota Rd., Canton, KS 67428. 620-345-6568

(name, address and telephone number)

Kendall R. & Joni G. Unruh, 118 W. John St., Galva, KS 67443. 620-654-7000

(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 January 14, 2019.

*Kendall Unruh*

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 3 wells

(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) May 1, 2020

(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 6/1/2020

(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 NA
- If no, explain here why a Water Structures permit is not required NA

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.

Water Right Nos. 29601 & 35379 - Partial place of use overlap. Change applications will be filed  
on Nos. 29601 and 35379 to create an identical place of use overlap with this application.

Water Resources  
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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	_____	9-17-2018	_____	_____
Total depth of well	_____	72 feet	_____	_____
Depth to water bearing formation	_____	33 feet	_____	_____
Depth to static water level	_____	25 feet	_____	_____
Depth to bottom of pump intake pipe	_____	NA	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of

**Co-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):

**Weldon C. & Melva Koehn, 2486 Dakota Rd., Canton, KS 67428. 620-345-6568**

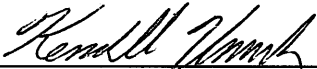
(name, address and telephone number)

**Kendall R. & Joni G. Unruh, 118 W. John St., Galva, KS 67443. 620-654-7000**

(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 Halstead, Kansas, this 14th day of January, 2019.  
(month) (year)



(Applicant Signature)

By \_\_\_\_\_

(Agent or Officer Signature)

\_\_\_\_\_  
(Agent or Officer - Please Print)

Assisted by T. Boese

GMD2 Manager  
(office/title)

Date: 1-14-2019

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. 50199

Name of Applicant (Please Print): Kendall R. Unruh

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: A)Weldon C. & Melva Koehn B) Kendall R. & Joni G. Unruh

ADDRESS: A) 2486 Dakota Rd., Canton, KS 67428 B) 118 W. John St., Galva, KS 67443

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15	20S	1W									40	40	40	40	2	40	31	7	240

**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	

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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
<u>Ladysmith silty clay loam</u>	<u>69</u>	<u>0.00 - 0.06</u>	<u>1</u>
<u>Irwin silty clay loam</u>	<u>9</u>	<u>0.00 - 0.06</u>	<u>1</u>
<u>Farnum loam</u>	<u>22</u>	<u>0.20 - 0.60</u>	<u>5</u>
_____	_____	_____	_____
_____	_____	_____	_____
<b>Total:</b>	<b>100 %</b>		

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 2 %

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: Center Pivot and/or Sub-Surface Drip

d. System design features:

i. Describe how you will control tailwater: Will schedule and apply irrigation to eliminate run-off

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.

*Not available at this time*

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Corn, Soybeans, Milo, Wheat

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). Will contract with crop consultant

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

IRRIGATION TEST WELL

50199

Driller & Assistant: Logan and Tom

Date: 17-Sep-18

CUSTOMER: Weldon Koehn / Kendall Unruh 620-654-7000 118 W John St

LOCATION: Galva 67443

- Screen 2-1/2"
- Casing 2-1/2"
- Couplings, 2-1/2"
- End Caps, 2-1/2"
- Gravel Pack
- Holeplug
- Quarters
- Water
- Lime
- Drilling Mud
- Gas & Oil - W.T.
- 3/4" Polyethylene
- 2-1/2" PVC Tee
- 5" & 6" Bits
- Packing
- 6" or 5" Liner if needed
- Solvent & Glue
- Water Sample Bottle
- Inspection Sheet

Depth:	Formation:	Well Information:
0-3'	top soil	Static Water Level: 25'
3'-33'	clay	Est. Production: 200-300 gpm
33'-56'	sand fine-medium	Casing Size/Depth: —
56'-61'	clay	
61'-67'	sand medium	Screen Size/Depth: —
67'-72'	shale grey	
		Slot Size: —
		Grouting Depth: 0-72'
		Number of Bags: 2
		Nearest Contamination:
		Notes:

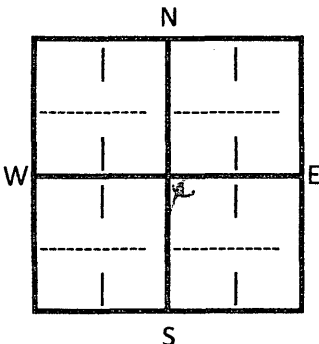
Directions:

Latitude: 38.31129 N decimal degrees (ex. 38.881796)  
 Longitude: -97.41754 W decimal degrees (ex. 95.373889)

Datum:  NAD27  NAD83  WGS84

Elevation: 1541 ft.

NW 1/4	NW 1/4	NW 1/4	SE 1/4
Sec. 19	T 20	R 1	E/W
County McPherson			



- \$ 8<sup>00</sup>-472' /ft. Well
- \$ 28<sup>00</sup> /Grout
- \$ — /Test Pumping
- \$ — /Water Sample
- \$ — /Mobilization/Travel
- \$ — /Discount

Contract Received: \_\_\_\_\_

Invoice #: 1781 Water Resources  
 Date Mailed: \_\_\_\_\_ Received  
 Well Data: ✓ Access: \_\_\_\_\_  
 Materials: ✓ Incent: ✓ TH JAN 16 2019



50199

Wells Within ½ Mile

1. Irrigation Well – Water Right Nos. 29601 and 35379  
Applicant
2. Irrigation Well – Water Right Nos. 29601  
Applicant
3. Domestic Well  
Heath R. & Samantha R. Doane  
2764 Dakota Road  
Canton, KS 67428
4. Domestic Well  
Jewell M. Vogts Rev. Trust  
2768 Dakota Road  
Canton, KS 67428
5. Domestic Well  
Richard D. Jr. & Nellie Anderson  
953 28<sup>th</sup> Ave  
Canton, KS 67428
6. Domestic Well  
Dale E. Westbrook  
601 N. 5<sup>th</sup> Street  
Canton, KS 67428
7. Domestic Well  
Stacy L. & Steven R. Vogts  
1552 27<sup>th</sup> Ave  
Canton, KS 67428

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KS Dept Of Agriculture

January 14 - 2019  
(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. 50199

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.

Kendall Urub  
Signature of Applicant

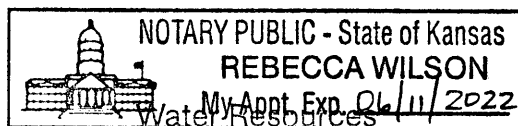
State of Kansas )  
County of HARVEY ) ss

Kendall Urub  
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 14th day of JANUARY, 2019.

Rebecca Wilson  
Notary Public

My Commission Expires: 06/11/2022



Received

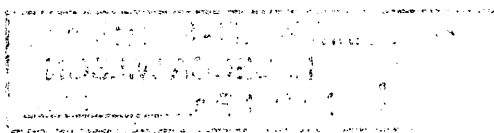
JAN 16 2019

**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



1320 Research Park Drive  
Manhattan, KS 66502  
785-564-6700  
www. agriculture.ks.gov



900 SW Jackson, Room 456  
Topeka, KS 66612  
785-296-3556

Mike Beam, Interim Secretary

Laura Kelly, Governor

January 18, 2019

KENDALL R UNRUH  
118 W JOHN ST  
GALVA, KS 67443

RE: Application, File No. **50199**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Stafford Field Office at 620-234-5311. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum  
New Applications Unit Supervisor  
Water Appropriation Program

# Application Map - File No. 5099



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

*Kenneth W. Horn*  
Signature

1-14-2019  
Date

- New Application**
- Application No. \_\_\_\_\_ To Change:**
  - Point of Diversion
  - Place of Use
  - Use Made of Water
  - Proposed Point of Diversion
  - Existing Points of Diversion
  - Proposed Place of Use
  - Authorized Place of Use

Water wells within 1/2 mile of proposed point of diversion include: (type use, owner, address)

- 1) *See Attached*
- 2)
- 3)

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**JAN 16 2019**  
KS Dept Of Agriculture