

# 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.



KANSAS DEPARTMENT OF AGRICULTURE  
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number **50380**  
This item to be completed by the Division of Water Resources.

**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.)

\$300

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): Alan Crane  
Address: 861 20th Avenue.  
City: Larned State KS Zip Code 67550  
Telephone Number: (\_\_\_\_) \_\_\_\_\_

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in Arkansas River (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 187 acre-feet OR 60,934,137 gallons per calendar year, to be diverted at a maximum rate of 710 gallons per minute OR 1.58 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. 2 GMD 5 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County SF By KJN Date 4/13/20  
Code RE2 Fee \$ 300.00 TR # \_\_\_\_\_ Receipt Date 3/30/2020 Check # 3001

4/15/2020  
L.Moody

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.

(A) One in the \_\_\_\_\_ quarter of the NC quarter of the NW quarter of Section 19, more particularly described as being near a point 3960 feet North and 3960 feet West of the Southeast corner of said section, in Township 21 South, Range 14W East/West (circle one), Stafford County, Kansas.

(B) 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.

(C) 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.

(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):

Crane Land LP, 861 20th Ave. Larned, KS. 67550 (Alan Crane)  
(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 March 27, 2020 Alan Crane  
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 one well one pump and center pivot system  
(number of wells, pumps or dams, etc.)  
and (was)(will be) completed (by) As soon as approved.  
(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 2020  
(Mo/Day/Year)

REQUESTING 60  
DAYS TO LOCATE

4/13/2020  
KJN

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- 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 N/A
- If no, explain here why a Water Structures permit is not required N/A No stream obstructions or floodplain fills.

- 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.

No overlapping water rights. Request 60 days to locate the PD and submit a test log.

Pursuant to KAR 5-25-22 and offsetting water right 12313 attached dismissal. Currently 12313 is within Rattlesnake Zone A with a 10.44% stream response. We request a waiver of 5-25-22(a)(1), 5-25-22(a)(4)

We request a safe yield analysis utilizing the GMD model pursuant to KAR 5-25-22(7) if the area does not meet safe yield.

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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                            | na    | _____ | _____ | _____ |
| Total depth of well                     | _____ | _____ | _____ | _____ |
| Depth to water bearing formation        | _____ | _____ | _____ | _____ |
| Depth to static water level             | _____ | _____ | _____ | _____ |
| Depth to bottom of pump intake pipe     | _____ | _____ | _____ | _____ |

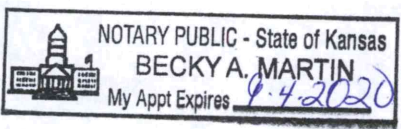
14. The relationship of the applicant to the proposed place where the water will be used is that of Owner/agent  
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):  
Crane Land LP, 861 20th Ave. Larned, KS. 67550 (Alan Crane)  
(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 Larned, Kansas, this 27th day of March, 2020.  
(month) (year)

[Signature]  
(Applicant Signature)



By [Signature]  
(Agent or Officer Signature)

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

Assisted by Jeff Lanterman Water Commissioner Date: 3/25/2020  
(office/title)

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## 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

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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 |
|-----------|----------------------|---------------------|-------------------------|
| _____     | _____                | _____               | _____                   |
| _____     | _____                | _____               | _____                   |
| _____     | _____                | _____               | _____                   |
| _____     | _____                | _____               | _____                   |
| _____     | _____                | _____               | _____                   |
| 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: 25 psi

(2) What is the sprinkler package design rate? 710 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:

wheat, corn, soybeans

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).

GMD weather station at Radium, soil probes, Field Wise that is attached to the sprinkler.

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

The wells on NE426-22-15- will be domestic.

(If any questions, please call: 620-910-7000)

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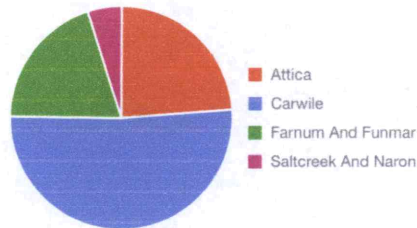
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**Soil Type (SSURGO) Map**



**SOIL TYPE (SSURGO)**



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This map shows the distribution of soil types across your field as defined by the NRCS SSURGO database.

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# DRILLER'S TEST LOG

Customer Name: Alan Crane Date: 11/29/2016  
 Address \_\_\_\_\_ Test No: #1-16  
 County: Pawnee Quarter: NW Section: 19 Township: 21 Range: 14

Drilled Footage  
 From To

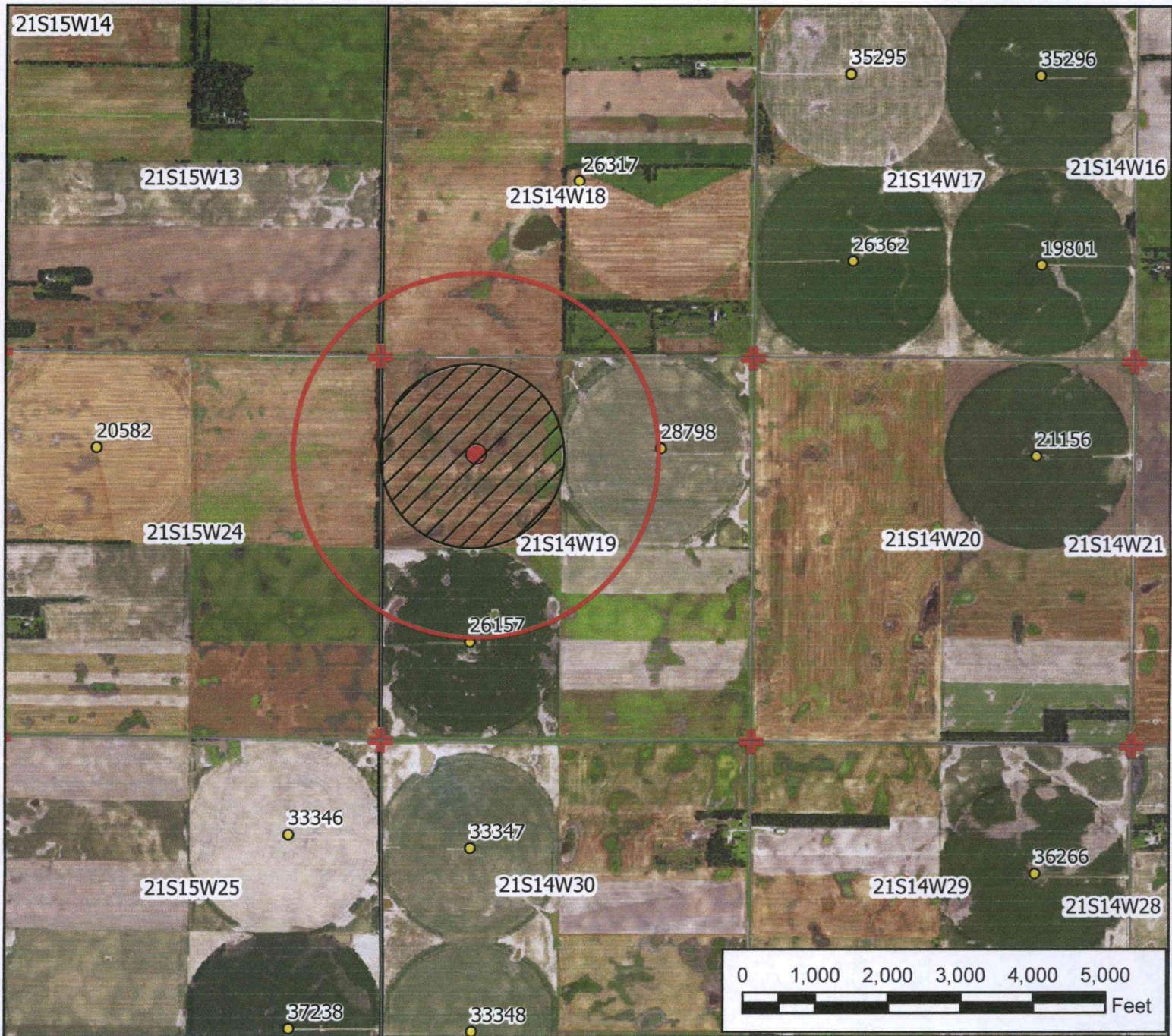
| From | To  | Description of Strata                         | Indicate Test Location by an X   |
|------|-----|---|----------------------------------|
| 0    | 3   | Top soil                                      |                                  |
| 3    | 15  | Soft sandy brown clay                         |                                  |
| 15   | 20  | Soft sandy brown clay w/ fine to small gravel | X                                |
| 20   | 40  | Gravel- fine to small clean                   |                                  |
| 40   | 54  | Sand & gravel- med clean coarse               |                                  |
| 54   | 58  | Gray clay                                     |                                  |
| 58   | 75  | Gravel- fine to small clean                   |                                  |
| 75   | 83  | Green, yellowish clay                         |                                  |
| 83   | 90  | Gravel- fine to small clean loose             |                                  |
| 90   | 100 | Sand & gravel- med clean coarse               |                                  |
| 100  | 110 | Gravel- fine to small clean                   |                                  |
| 110  | 120 | Fine to small gravel w/ gray clay             | Static Water Level: <u>32</u> Ft |
| 120  | 130 | Sand & gravel- med clean coarse               | Remarks: _____                   |
| 130  | 140 | Gravel- small med coarse w/ gray clay         |                                  |
| 140  | 156 | Gravel- med coarse                            |                                  |
| 156  | 160 | Tan clay                                      |                                  |
| 160  | 175 | Sand & gravel- med clean coarse               | <b>Garmin GPS- Nad 83</b>        |
| 175  | 180 | Gray shale                                    | Latitude: <u>38.2144 N</u>       |
|      |     |   | Longitude: <u>98.9088 W</u>      |
|      |     |   | Elevation: _____                 |
|      |     |   |                                  |
|      |     |   |                                  |
|      |     |   |                                  |
|      |     |   |                                  |
|      |     |   |                                  |
|      |     |   | Driller: <u>Luis Luna</u>        |
|      |     |   | Spot Location: <u>SE/ NW/ NW</u> |

**ROSENCRANTZ-BEMIS EQUIPMENT CO., INC**  
 Telephone (620) 792-2488 or (620) 793-5512  
 P.O. Box 713, Great Bend, KS 67530

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**Legend**

- Water Appropriation
- ⊗ Proposed Point of Diversion
- ⊙ Authorized Point of Diversion
- ★ Domestic Well
- ⊕ Section Corner
- ▨ Proposed Place of use
- Half Mile Circle

**Water Right, File No. NewApp**

**New Application Map**

**19-21-14W // Stafford County**

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To the best of my knowledge, all points of diversion within one-half mile of the proposed point of diversion have been shown.

*NO Domestic wells*

*[Signature]* 3-26-2020

Signature / Date

03/24/2020 jkl/SFFO 1:24,000 scale

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. \_\_\_\_\_

Name of Applicant (Please Print): Alan Crane

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: Crane Lane LP  
ADDRESS: 861 20th Ave. Larned, KS. 67550

| S  | T | R | NE¼ |    |    |    | NW¼ |    |    |      | SW¼  |      |    |    | SE¼ |    |    |    | TOTAL |     |
|----|---|---|-----|----|----|----|-----|----|----|------|------|------|----|----|-----|----|----|----|-------|-----|
|    |   |   | NE  | NW | SW | SE | NE  | NW | SW | SE   | NE   | NW   | SW | SE | NE  | NW | SW | SE |       |     |
| 19 | 2 | 1 | 1   | 4  |    |    |     |    | 32 | .532 | .532 | .532 | .5 |    |     |    |    |    |       | 130 |
|    |   |   |     |    |    |    |     |    |    |      |      |      |    |    |     |    |    |    |       |     |
|    |   |   |     |    |    |    |     |    |    |      |      |      |    |    |     |    |    |    |       |     |
|    |   |   |     |    |    |    |     |    |    |      |      |      |    |    |     |    |    |    |       |     |

**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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**DATA ENTRY SYSTEM ID NUMBER SHEET**

**FILE NUMBER** \_\_\_\_\_

| <b>APPLICANT<br/>PERSON ID &amp; SEQ #</b> | <b>PDIV ID</b> | <b>BATTERY ID</b> |
|--|----------------|-------------------|
| _____                                      | _____          | _____             |
| _____                                      | _____          | _____             |
| _____                                      | _____          | _____             |
| _____                                      | _____          | _____             |
| _____                                      | _____          | _____             |

| <b>LANDOWNER<br/>PERSON ID &amp; SEQ #</b> | <b>PUSE ID</b> |
|--|----------------|
| _____                                      | _____          |
| _____                                      | _____          |
| _____                                      | _____          |
| _____                                      | _____          |
| _____                                      | _____          |

| <b>WATER USE CORRESPONDENT<br/>PERSON ID &amp; SEQ #</b> |
|--|
| _____  |
| _____  |
| _____  |
| _____  |