

# 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.



WATER RESOURCES RECEIVED  
SEP 30 2019  
12:53  
KS DEPT OF AGRICULTURE

KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 50300  
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.)

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

1. Name of Applicant (Please Print): Ted Carder  
Address: 249 Country View Lane  
City: Sterling State KS Zip Code 67579  
Telephone Number: (620) 680-1661

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in Cow Creek (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 15 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 300 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. 2 GMD 5 Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source  S County RC By KJN Date 9/30/19  
Code REG Fee \$ 200 TR # \_\_\_\_\_ Receipt Date 9/30/19 Check # 8682

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 NW quarter of the NE quarter of the NE quarter of Section 17, more particularly described as being near a point 5180 feet North and 1200 feet West of the Southeast corner of said section, in Township 21 South, Range 8 West, Rice 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):

PRISCILLA S. CARDER 114 S. 3<sup>RD</sup> STERLING, KS. 67579 620-278-3390  
(name, address and telephone number)

TED D. CARDER 249 COUNTRY VIEW LANE STERLING, KS. 620-680-1661  
(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 9.23.19, 2019.

Ted D. Carder  
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 1 Well and Pump  
(number of wells, pumps or dams, etc.)  
and Will be completed (by) ASAP  
(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)



\_\_\_\_\_  
(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. \_\_\_\_\_

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.

Priscilla S. Carder Ted D. Carder  
Signature of Applicant

State of Kansas )  
County of Rice ) ss )

Priscilla S. Carder Ted D. Carder  
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 23 day of September, 2019.



Heidi L. McCullers  
Notary Public

My Commission Expires: 9-30-20

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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

## IRRIGATION USE SUPPLEMENTAL SHEET

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

Name of Applicant (Please Print): Ted Carder

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: PRISCILLA J. CARDAER  
 ADDRESS: 114 S. THIRD ST. STEWING, KS. 67579

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
17	21S	8W	39																39

**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
SAND	20		
SANDY LOAM	80		
Total:	100 %		

b. Estimate the average land slope in the field(s): 2 %

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: 30 psi
- (2) What is the sprinkler package design rate? \_\_\_\_\_ gpm BUBBLER SPRINKLER PACKAGE  
SPRINKLERS RATED AT 10 PSI
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 10 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:

INDUSTRIAL HEMP

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).

WE GIVE THE HEMP A TENTH OF AN INCH EVERY 2 DAYS.  
WHEN IT'S HIGH 90'S TO 100'S A TENTH EVERY OTHER DAY.

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



## 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

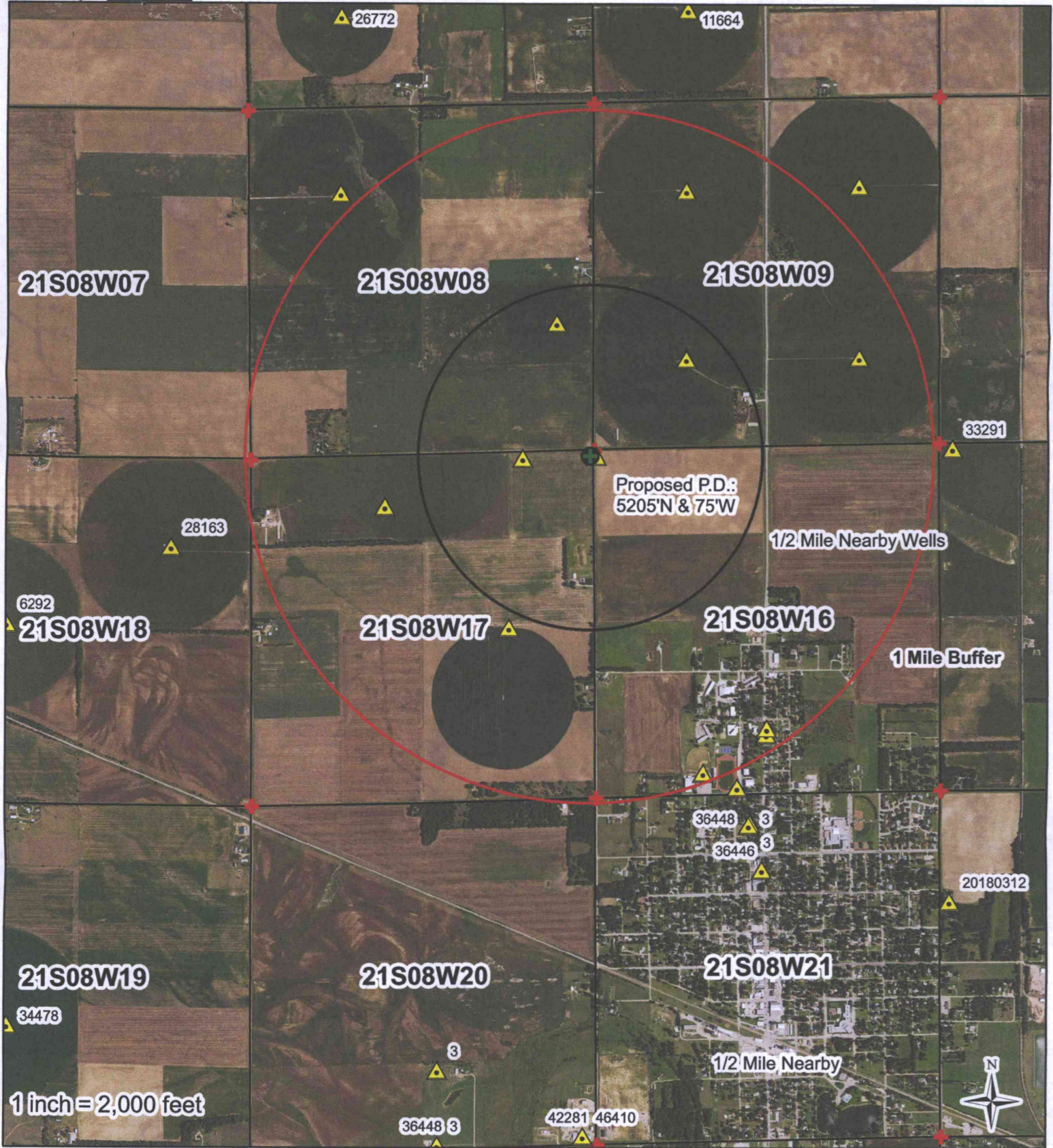
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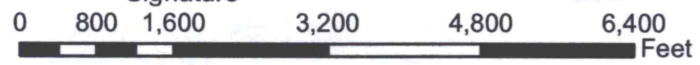
File No.



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.

-  Proposed PD
-  Proposed Place of Use
-  Water Rights
-  SFFOsec\_corners

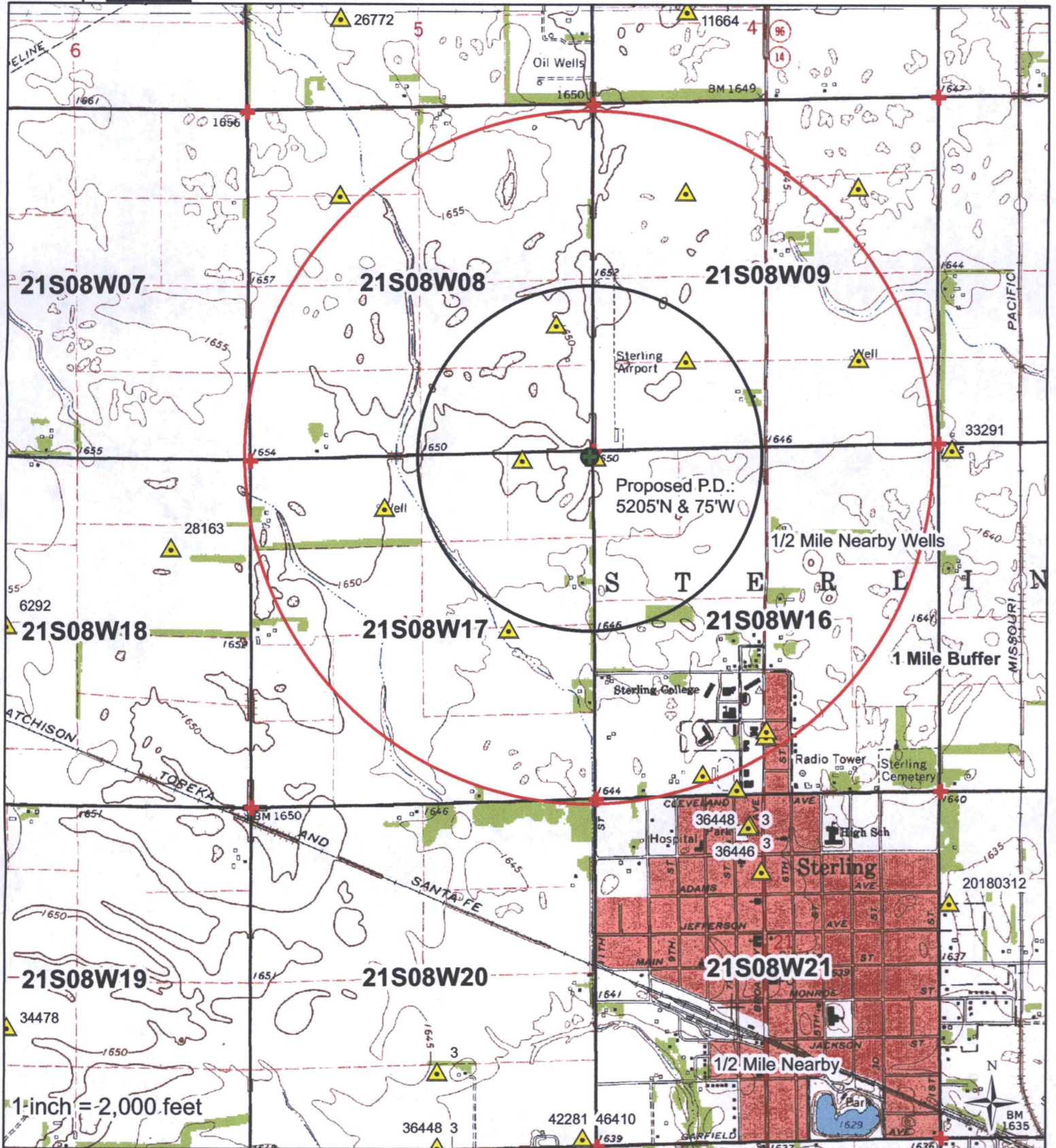
*Todd D. Gardner* \_\_\_\_\_ 9/21/19  
 Signature Date



WATER RESOURCES RECEIVED  
 SEP 30 2019  
 Created By: Matt Meier  
 F.O. 2  
 Date: 8/12/2019  
 KS DEPT OF AGRICULTURE



File No.



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.

- Proposed PD
- Proposed Place of Use
- Water Rights
- SFFOsec\_corners

*Ted D. Cauder*      9/21/19

Signature      Date

0   800   1,600   3,200   4,800   6,400   Feet

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SEP 20 2019  
Created By: Matt Meier  
F.O. 2  
Date: 8/12/2019

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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>7/19/19</u>	_____	_____	_____
Total depth of well	<u>81 FEET</u>	_____	_____	_____
Depth to water bearing formation	<u>14 FEET</u>	_____	_____	_____
Depth to static water level	<u>14 FEET</u>	_____	_____	_____
Depth to bottom of pump intake pipe	<u>81 FEET</u>	_____	_____	_____

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

MOTHER/SON  
(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):

PRISCILLA S. CARDER 114 S. 3RD STERLING, KS 67579 620-278-3390  
(name, address and telephone number)

TED D. CARDER 249 COUNTRYVIEW LANE STERLING, KS. 620-680-1661 67579  
(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 Sterling, Kansas, this 23 day of September, 2019  
(month) (year)

Ted D. Carder  
(Applicant Signature)

By \_\_\_\_\_  
(Agent or Officer Signature)

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

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Assisted by \_\_\_\_\_ ESII \_\_\_\_\_ Date: 7/3/2019  
(office/title)

Heidi L McCullers  
Notary

9-30-2020





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 \_\_\_\_\_

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:

*Sign Map fee*  
*Provide this 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.

*ignore*

(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.

Requesting 15 AF small user exemption, will be irrigation use for Industrial Hemp

Filed a temporary application to begin planting

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Rosencrantz-Bemis Drilling Co.

P.O. Box 713  
Great Bend, KS 67530  
Phone 620-793-5512 or 620-792-2488

## TEST PUMPING & PUMP INSTALLATION

Customer: Ted Carder Date 7/19/2019

Well Site #20190203

Quarter NE Section 17 Township 21 Range 8 County Rice

### Test Pumping Results

New well X Workover \_\_\_\_\_ Well Depth 81 Ft.  
 Water level at start 14 at finish 14 Pumped 2 hour(s) before test  
 through 8 inch discharge. Ran 80 ft of Test pump, \_\_\_\_\_ ft of Tailpipe  
 Gravel settled \_\_\_\_\_ ft. Casing cut off at \_\_\_\_\_ ft. Above or below ground level \_\_\_\_\_ ft  
 Did well pump \_\_\_\_\_ sand or \_\_\_\_\_ mud for \_\_\_\_\_ hours. Water sample: Yes \_\_\_\_\_ No \_\_\_\_\_

RPM	GPM	DD	TIME
	675	16ft	
	1052	23'	
	1500	28'	

### REMARKS

Well Record- 81ft	
30" Bore hole	41ft of 16" PVC plain
16" PVC plain	
16" PVC perf	
Gravel pack- #1 coarse	
Closed PVC cap	
	40ft of 16" PVC perf

### PUMP INSTALLATION

New \_\_\_\_\_ Used \_\_\_\_\_ Well Depth \_\_\_\_\_ Pump Setting \_\_\_\_\_  
 Make \_\_\_\_\_ Water Lube \_\_\_\_\_ Oil Lube \_\_\_\_\_ Drive shaft sz \_\_\_\_\_  
 Column: \_\_\_\_\_ in., \_\_\_\_\_ joints. Total footage \_\_\_\_\_ Type \_\_\_\_\_  
 Bowls: \_\_\_\_\_ Length \_\_\_\_\_ Diam. \_\_\_\_\_ Impeller \_\_\_\_\_ Stages \_\_\_\_\_  
 Head Serial No. \_\_\_\_\_

### POWER

Gearhead: \_\_\_\_\_ Make \_\_\_\_\_ Hp \_\_\_\_\_ Ratio \_\_\_\_\_  
 Frame \_\_\_\_\_ Type \_\_\_\_\_ Head shaft size \_\_\_\_\_  
 Serial No. \_\_\_\_\_

Electric Motor \_\_\_\_\_ Make \_\_\_\_\_ Hp \_\_\_\_\_ Volts \_\_\_\_\_  
 Amps \_\_\_\_\_ Model \_\_\_\_\_ RPM \_\_\_\_\_ Phase \_\_\_\_\_ Cycle \_\_\_\_\_  
 Serial No. \_\_\_\_\_

Operator \_\_\_\_\_

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**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

Division of Water Resources App. No.

20190203

Well ID

<b>1 LOCATION OF WATER WELL:</b> County: <b>Rice</b>	Fraction ¼ NE ¼ NE ¼ NE ¼	Section Number <b>17</b>	Township Number <b>T 21 S</b>	Range Number <b>R 8</b> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
---	------------------------------	-----------------------------	----------------------------------	---

<b>2 WELL OWNER:</b> Last Name: <b>Carder</b> First: <b>Ted</b>	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: <input type="checkbox"/> <b>1/2 North, 1/4 West of Sterling</b>
Business: Address: <b>249 County View Lane</b> Address: City: <b>Sterling</b> State: <b>KS</b> ZIP: <b>67579</b>	

**3 LOCATE WELL WITH "X" IN SECTION BOX:**

N

-- NW --	-- NE --		
-- SW --	-- SE --		

W E

S

1 mile

**4 DEPTH OF COMPLETED WELL:** ..... **81** ..... ft.

Depth(s) Groundwater Encountered: 1) ..... ft.  
2) ..... ft. 3) ..... ft., or 4)  Dry Well

WELL'S STATIC WATER LEVEL: ..... **14** ..... ft.  
 below land surface, measured on (mo-day-yr) ... **7-19-19** ...  
 above land surface, measured on (mo-day-yr) .....

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

Estimated Yield: .. **1500** .. gpm

Bore Hole Diameter: .. **30** .. in. to .. **81** .. ft. and  
..... in. to ..... ft.

**5 Latitude:** ..... (decimal degrees)  
**Longitude:** ..... (decimal degrees)  
Horizontal Datum:  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:** ..... ft.  Ground Level  TOC  
Source:  Land Survey  GPS  Topographic Map  
 Other .....

**7 WELL WATER TO BE USED AS:**

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	2. <input checked="" type="checkbox"/> Irrigation	3. <input type="checkbox"/> Feedlot	4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID .....	6. <input type="checkbox"/> Dewatering: how many wells? .....	7. <input type="checkbox"/> Aquifer Recharge: well ID .....	8. <input type="checkbox"/> Monitoring: well ID .....	9. Environmental Remediation: well ID .....	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease .....	11. Test Hole: well ID .....	12. Geothermal: how many bores? .....	13. <input type="checkbox"/> Other (specify): .....
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Was a chemical/bacteriological sample submitted to KDHE?  Yes  No If yes, date sample was submitted: .....

Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other ..... CASING JOINTS:  Glued  Clamped  Welded  Threaded

Casing diameter ..... **16** ..... in. to ..... **81** ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.

Casing height above land surface ..... **18** ..... in. Weight **Sch 40** lbs./ft. Wall thickness or gauge No. ....

TYPE OF SCREEN OR PERFORATION MATERIAL:  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) .....

Brass  Galvanized Steel  Concrete tile  None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:  
 Continuous Slot  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 ..... **81** ..... ft. to ..... **41** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From ..... **81** ..... ft. to ..... **20** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....

Grout Intervals: From ..... ft. to ..... ft., From ..... **20** ..... ft. to ..... **0** ..... 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  
 Other (Specify) ... **None** .....

Direction from well? ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	Sandy top soil			
2	6	Sandy clay			
6	10	Tan clay			
10	29	Med gravel			
29	35	Tan clay			
35	39	Small gravel			
39	41	Tan clay			
41	81	Gravel- small to med w/ light clay			

Notes: **KS DEPT OF AGRICULTURE**

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) ... **7-19-19** ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ... **134** ..... This Water Well Record was completed on (mo-day-year) ... **8-19-19** ..... under the business name of ... **Rosencrantz-Bemis Ent Inc** ..... Signature ..... *Rosa Alief* .....



