

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;"><b>49,843</b></p>	2. Status Change Date: <p style="text-align: center; font-size: 1.2em;"><b>8/31/2018</b></p>	3. Field Office: <p style="text-align: center; font-size: 1.2em;"><b>02</b></p>	4. GMD:
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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

7a. Applicant(s)                      Person ID **27878**  
New to system                       Add Seq# \_\_\_\_\_

**FIRST NATIONAL BANK-HUTCHINSON  
JOHN BADLWIN FAMILY TRUST #1  
ONE NORTH MAIN  
HUTCHINSON, KS 67504**

7b. Landowner(s)                      Person ID \_\_\_\_\_  
New to system                       Add Seq# \_\_\_\_\_

**7A**

7c. Landowner(s)                      Person ID \_\_\_\_\_  
New to system                       Add Seq# \_\_\_\_\_

7d. Landowner                      Person ID \_\_\_\_\_  
New to system                       Add Seq# \_\_\_\_\_

8. WUR Correspondent                      Person ID \_\_\_\_\_  
New to system                       Add Seq# \_\_\_\_\_  
Overlap File (s) WUC                      Notarized WUC Form   
Agree  Yes  No

**7a**

9. Use of Water:    Changing?     Yes     No

Groundwater                       Surface Water

IRR                       REC                       DEW                       MUN

STK                       SED                       DOM                       CON

HYD DRG     WTR PWR                       ART RECHRG

IND    SIC: \_\_\_\_\_                       OTHER: \_\_\_\_\_

10. Completion Date: **12/31/2019**                      11. Perfection Date: **12/31/2023**                      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: **12/31/2019**                      Date WLMD Installed: \_\_\_\_\_

Date Prepared: **7/13/18**                      By: **MJM**  
Date Entered: **9/5/2018**                      By: **UM**

File No. **49,843**      15. Formation Code: **100 & 330**      Drainage Basin: **Arkansas River (Lower Ark)**      County: **RC**      Special Use:      Stream:

16. Points of Diversion										
MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W
✓				<b>74519 NWNENW</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>1</b>	<b>5155</b>	<b>3531 Geo-Cent</b>
✓				<b>74949 NWNENW</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>2</b>	<b>5236</b>	<b>3515 Bat 1 of 4</b>
✓				<b>74950 NWNENW</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>3</b>	<b>5214</b>	<b>3736 Bat 2 of 4</b>
✓				<b>74951 NWNENW</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>4</b>	<b>5236</b>	<b>3340 Bat 3 of 4</b>
✓				<b>74952 NWNENW</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>5</b>	<b>4934</b>	<b>3535 Bat 4 of 4</b>

17. Rate and Quantity				
Authorized		Additional		
Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
<b>800</b>	<b>186.2</b>	<b>420</b>	<b>93.8</b>	<b>46,878</b>

18. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

19. Limitation: **186.2** af/yr at **800** gpm ( \_\_\_\_\_ cfs) when combined with file number(s) **46,878**  
 Limitation: \_\_\_\_\_ - \_\_\_\_\_ af/yr at \_\_\_\_\_ - \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_

20. Meter Required?  Yes  No      To be installed by **12/31/2019**      Date Acceptable Meter Installed \_\_\_\_\_

21. Place of Use										NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files
MOD	DEL	ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼						
✓			<b>59032</b>	<b>17</b>	<b>20S</b>	<b>10W</b>	<b>1</b>			<b>2</b>	<b>2</b>	<b>35</b>	<b>29</b>	<b>29</b>	<b>36</b>										<b>133</b>	<b>7b.</b>	<b>46,878</b>		

Comments:

**KANSAS DEPARTMENT OF AGRICULTURE**  
**Division of Water Resources**

**MEMORANDUM**

**TO:** Files

**DATE:** July 13, 2018

**FROM:** Matt Meier

**RE:** Application, File No. 49,843

The John Baldwin Family Trust #1 has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 186.2 acre-feet (93.8 acre-feet of which will be additional), and a diversion rate of 800 gallons per minute (420 gallons per minute additional). The geo-center of the well battery is to be located in the Northwest Quarter of the Northeast Quarter of the Northwest Quarter (NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 17, more particularly described as being near a point 5,155 feet North and 3,531 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, within the Arkansas River drainage basin. Water Right, File No. 46,878 overlaps the proposed place of use and point of diversion. A place of use change has been filed for Water Right, File No. 46,878 which is being processed separately. The proposed place of use is owned John Baldwin Family Trust #1. The applicant has signed the application form stating that he has legal access to the point of diversion.

The applicant had identified zero wells within one-half mile of the proposed well and no nearby well owner letters were sent. According to the WRIS database, the nearest non-domestic point of diversion (File No. 45,835) is located over 6,281 feet away. The site nearest domestic well is over  $\frac{1}{2}$  mile away. The proposed point of diversion meets minimum well spacing to all existing wells. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be one-quarter mile to all other non-domestic wells and 660 feet to domestic wells.

The well log for File No. 46,878 (which the application overlaps), shows topsoil from 0 to 5 feet, coarse to fine sand from 5 to 16 feet, brown clay from 16 to 19 feet, fine to coarse sand from 19 to 33 feet, brown clay from 33 to 36 feet, grayish to white clay with streaks of sandstone from 36 to 52 feet, sandstone from 52 to 76 feet, clay with limestone streaks from 76 to 78 feet, sandstone from 78 to 97 feet, clay with sandstone from 97 to 98 feet, sandstone with iron pyrite streaks from 98 to 100 feet, dark clay from 100 to 102 feet, and dark shale from 102 to 105 feet below ground. The static water level was listed at 20 feet, the screened interval runs from 74 to 104 feet, and saturated thickness would be around 84 feet.

Per the requirements in K.A.R. 5-3-11, safe yield is determined by the extent of the unconfined aquifer within a two-mile circle radius of the point of diversion, which establishes the area of consideration. Evaluation of the area of consideration included the extent of the unconfined aquifer, which provided an area of consideration of 8,042 acres. With a potential annual recharge of 1.7 inches, and 75% of recharge available for appropriation, safe yield was determined to be 854.51 acre-feet. Existing water rights have appropriated 456.8 acre-feet, providing a difference of 397.71 acre-feet available for appropriation, and the application requesting 186.2 (93.8 Add) acre-feet complies with safe yield.

The requested quantity of water, 186.2 acre-feet (93.8 add), is to irrigate the proposed 133 acres identified in the application. When combined with Water Right, File No. 46,878, the combined quantity authorized on the proposed place of use is 186.2 acre-feet. This is the maximum allowable of 1.4 acre-feet per acre for Rice County, Kansas. There are multiple pending applications in this general area of the state, and they are being worked in priority order to ensure that senior applications are provided the available water.

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. A water level measurement tube is required because this is a proposed new well exceeding 100 gpm.

The proposed application is subject to minimum desirable streamflow requirements. The applicant signed, notarized, and returned the required form to our office.

Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced application on July 13, 2018. 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 application be approved.

Matthew J. Meier  
Environmental Scientist  
Water Appropriations Unit

# STATE OF KANSAS

DEPARTMENT OF AGRICULTURE  
1320 RESEARCH PARK DRIVE  
MANHATTAN, KS 66502  
PHONE: (785) 564-6700  
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456  
TOPEKA, KS 66612  
PHONE: (785) 296-3556  
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.  
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

**FILE COPY**

FIRST NATIONAL BANK (HUTCHINSON)  
JOHN BALDWIN FMLY TR NO 1  
ONE NORTH MAIN  
HUTCHINSON KS 67504-0913

September 6, 2018

RE: Application, File No. 49,843

Dear Water User:

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 this permit. A water meter is required 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

Enclosures

pc: Stafford Field Office  
JOHN L BALDWIN FAMILY TRUST NO 1 (MARK BALDWIN TRUSTEE)



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. 49,843** of the applicant

**First National Bank-Hutchinson  
John Baldwin Family Trust #1  
One North Main  
Hutchinson, KS 67504**

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 **May 22, 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	
17 20S 10W		2	2		35	29	29	36									133

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells, the geo-center of which is to located in the Northwest Quarter of the Northeast Quarter of the Northwest Quarter (NW¼ NE¼ NW¼) of Section 17, more particularly described as being near a point 5,155 feet North and 3,531 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, located substantially as shown on the map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute (1.783 c.f.s.)** and to a quantity not to exceed **186.2 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, 2019** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$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 submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$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, 2023** 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 of \$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 an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with 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).
13. 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.
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.
17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.
18. That the quantity of water approved under this permit is further limited to the quantity which combined with Water Right, File No. 46,878, will provide a total **not to exceed 186.2 acre-feet** of water per calendar year, for irrigation use on the land described herein.





**CERTIFICATE OF SERVICE**

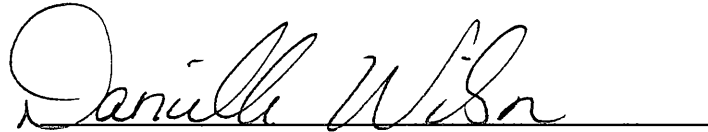
On this ~~10<sup>th</sup>~~ day of ~~September~~ 2018, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,843, dated ~~August 31<sup>st</sup>, 2018~~ was mailed postage prepaid, first class, US mail to the following:

FIRST NATIONAL BANK (HUTCHINSON)  
JOHN BALDWIN FMLY TR NO 1  
ONE NORTH MAIN  
HUTCHINSON KS 67504-0913

With photocopies to:

JOHN L BALDWIN FAMILY TRUST NO 1  
MARK BALDWIN TRUSTEE  
2414 N MORNING DEW ST  
WICHITA KS 67205-1302

Stafford Field Office



Division of Water Resources

THE STATE OF KANSAS



APPLICATION COMPLETE  
 5/22/17 7-13-18  
 Reviewer MSM

KANSAS DEPARTMENT OF AGRICULTURE  
 Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
 David W. Barfield, Chief Engineer

File Number 49,843  
 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.)

MAY 22 2017  
 1:47  
 KS DEPT OF AGRICULTURE

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): John Baldwin Family Trust # 1  
 Address: One North Main  
 City: Hutchinson State KS Zip Code 67504  
 Telephone Number: (620) 694-2263
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 186.2 (93.8Add) acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 800 (420 add) 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) <input type="checkbox"/> Artificial Recharge | (b) <input checked="" type="checkbox"/> Irrigation     | (c) <input type="checkbox"/> Recreational       | (d) <input type="checkbox"/> Water Power      |
| (e) <input type="checkbox"/> Industrial          | (f) <input type="checkbox"/> Municipal                 | (g) <input type="checkbox"/> Stockwatering      | (h) <input type="checkbox"/> Sediment Control |
| (i) <input type="checkbox"/> Domestic            | (j) <input type="checkbox"/> Dewatering                | (k) <input type="checkbox"/> Hydraulic Dredging | (l) <input type="checkbox"/> Fire Protection  |
| (m) <input type="checkbox"/> Thermal Exchange    | (n) <input type="checkbox"/> 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>1</u>	GMD <u>0</u>	Meets K.A.R. 5-3-1 <u>(YES / NO)</u>	Use <u>IRR</u>	Source <u>(G) S</u>	County <u>LT</u>	By <u>ADW</u>	Date <u>5/22/17</u>
Code <u>1ED</u>	Fee \$ <u>500</u>	TR # _____	Receipt Date <u>5/22/17</u>	Check # <u>120819</u>			

SCANNED  
 5/25/2017 AM

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 NW quarter of Section 17, more particularly described as being near a point 5155 feet North and 3531 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice (Geo-Center) County, Kansas.
- (B) One in the NW quarter of the NE quarter of the NW quarter of Section 17, more particularly described as being near a point 5236 feet North and 3515 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice (Bat 1 of 4) County, Kansas.
- (C) One in the NW quarter of the NE quarter of the NW quarter of Section 17, more particularly described as being near a point 5214 feet North and 3736 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice (Bat 2 of 4) County, Kansas.
- (D) One in the NW quarter of the NE quarter of the NW quarter of Section 17, more particularly described as being near a point 5236 feet North and 3340 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice (Bat 3 of 4) County, Kansas.
- (E) One in the NW quarter of the NE quarter of the NW quarter of Section 17, more particularly described as being near a point 4934 feet North and 3535 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice (Bat 4 of 4) 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):

John Baldwin Family Trust # 1  
(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 May 10, 2017. [Signature] POA Robby Gray  
Farm Manager  
\_\_\_\_\_  
Applicant's Signature West National Bank of Hutchins

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 4 wells and pumps  
(number of wells, pumps or dams, etc.)  
and (was)(will be) completed (by) Existing Battery  
(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)

WATER RESOURCES RECEIVED

MAY 22 2017

KS DEPT OF AGRICULTURE

SCANNED

- 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.

Overlaps PD & PU with File No. 46878, which has a pending PU change to form a complete PU overlap with the new application.

WATER RESOURCES  
RECEIVED

MAY 22 2017

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>See</u>	<u>Attached</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

GWPEC  
(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):

John Baldwin Family Trust # 1  
(name, address and telephone number)

Hutchinson, KS 67504 620-694-2263  
(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 \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_ (month) (year)

[Signature]  
Robby Gray  
Farm Manager  
First National Bank of Hutchinson  
(Applicant Signature)

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

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

WATER RESOURCES  
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MAY 22 2017

KS DEPT OF AGRICULTURE

Assisted by MJM ESII Date: 4/26/2017  
(office/title)

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49,843

Name of Applicant (Please Print): [REDACTED] John Baldwin Family Trust #1

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: [REDACTED] John Baldwin Family Trust #1  
 ADDRESS: one North Main, Hutchinson, KS 67504

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	20S	10W		2	2		35	29	29	36									133

**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	

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
Pratt Loamy Fine Sand	31.6		
Corwile Fine sandy loam	2.2		
Atter fine sand loam	19.4		
Pratt Corwile Complex	8.2		
Lancaster loam	6.8		
Total:	100 %		

b. Estimate the average land slope in the field(s): 3 %

Estimate the maximum land slope in the field(s): 5 %

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? 400 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:

Corn - Rye - Corn - Wheat - 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).

Soil probe to determine available water per soil depth vs. crop needs. Use crop stage to calculate water needs based on evapotranspiration rates.

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

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\_\_\_\_\_  
(Date)

Kansas Department of Agriculture  
Division of Water Resources  
David W. Barfield, Chief Engineer  
109 SW 9<sup>th</sup> Street, 2nd Floor  
Topeka, Kansas 66612-1283

WATER RESOURCES  
RECEIVED

JUN 14 2017

Re: Application  
KS DEPT OF AGRICULTURE 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.

\_\_\_\_\_  
Signature of Applicant  
Robby Gray  
Farm Manager

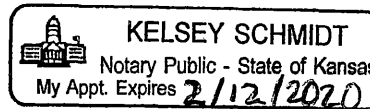
\_\_\_\_\_  
First National Bank of Hutchinson  
(Print Applicant's Name)

State of Kansas )  
County of Rice ) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 31 day of May, 2017.

\_\_\_\_\_  
Notary Public

My Commission Expires: 2/12/2020





\_\_\_\_\_  
(Date)

Kansas Department of Agriculture  
Division of Water Resources  
David W. Barfield, Chief Engineer  
109 SW 9<sup>th</sup> Street, 2nd Floor  
Topeka, Kansas 66612-1283

Re: Application File No. 49843

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

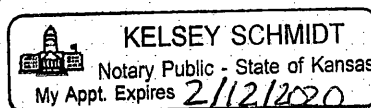
State of Kansas )  
County of rice ) ss

\_\_\_\_\_  
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 10 day of May, 2017.

[Signature]  
Notary Public

My Commission Expires: 2/12/2020



WATER RESOURCES  
RECEIVED

MAY 22 2017

49843

**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

WATER RESOURCES  
RECEIVED

MAY 22 2017

KS DEPT OF AGRICULTURE

SCANNED

Draft

**KANSAS DEPARTMENT OF AGRICULTURE  
Division of Water Resources**

**M E M O R A N D U M**

**TO:** Files

**DATE:** July 10, 2018

**FROM:** Matt Meier

**RE:** Application, File No. 49,843

The John Baldwin Family Trust has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 186.2 acre-feet (93.8 acre-feet of which will be additional), and a diversion rate of 800 gallons per minute. The geo-center of the well battery is to be located in the Northwest Quarter of the Northeast Quarter of the Northwest Quarter (NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 17, more particularly described as being near a point 5,155 feet North and 3,531 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, within the Arkansas River drainage basin. Water Right, File No. 46,878 overlaps the proposed place of use and point of diversion. A place of use change has been filed for Water Right, File No. 46,878 which is being processed separately. The proposed place of use is owned John Baldwin Family Trust. The applicant has signed the application form stating that he has legal access to the point of diversion.

The applicant had identified zero wells within one-half mile of the proposed well and no nearby well owner letters were sent. According to the WRIS database, the nearest non-domestic point of diversion (File No. 45,835) is located over 6,281 feet away. The site nearest domestic well is over  $\frac{1}{2}$  mile away. The proposed point of diversion meets minimum well spacing to all existing wells. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be one-quarter mile to all other non-domestic wells and 660 feet to domestic wells.

The well log for File No. 46,878 (which the application overlaps), shows topsoil from 0 to 5 feet, coarse to fine sand from 5 to 16 feet, brown clay from 16 to 19 feet, fine to coarse sand from 19 to 33 feet, brown clay from 33 to 36 feet, grayish to white clay with streaks of sandstone from 36 to 52 feet, sandstone from 52 to 76 feet, clay with limestone streaks from 76 to 78 feet, sandstone from 78 to 97 feet, clay with sandstone from 97 to 98 feet, sandstone with iron pyrite streaks from 98 to 100 feet, dark clay from 100 to 102 feet, and dark shale from 102 to 105 feet below ground. The static water level was listed at 20 feet, the screened interval runs from 74 to 104 feet, and saturated thickness would be around 84 feet.

Per the requirements in K.A.R. 5-3-11, safe yield is determined by the extent of the unconfined aquifer within a two-mile circle radius of the point of diversion, which establishes the area of consideration. Evaluation of the area of consideration included the extent of the unconfined aquifer, which provided an area of consideration of 8,042 acres. With a potential annual recharge of 1.7 inches, and 75% of recharge available for appropriation, safe yield was determined to be 854.51 acre-feet. Existing water rights have appropriated 456.8 acre-feet, providing a difference of 397.71 acre-feet available for appropriation, and the application requesting 186.2 (93.8 Add) acre-feet complies with safe yield.

The requested quantity of water, 186.2 acre-feet (93.8 add), is to irrigate the proposed 133 acres identified in the application. When combined with Water Right, File No. 46,878, the combined quantity authorized on the proposed place of use is 186.2 acre-feet. This is the maximum allowable of 1.4 acre-feet per acre for Rice County, Kansas. There are multiple pending applications in this general area of the state, and they are being worked in priority order to ensure that senior applications are provided the available water.

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. A water level measurement tube is required because this is a proposed new well exceeding 100 gpm.

The proposed application is subject to minimum desirable streamflow requirements. The applicant signed, notarized, and returned the required form to our office.

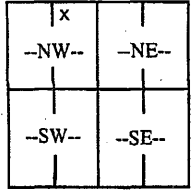
Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced application be approved.

Matthew J. Meier  
Environmental Scientist  
Water Appropriations Unit

*7/13/14*  
*Concur w Matts recommendation*  
*Approve it DR W.C.*

<b>1 LOCATION OF WATER WELL:</b> County: Rice	Fraction NW 1/4 NE 1/4 NW 1/4	Section Number 17	Township Number T 20 S	Range Number R 10 E <b>(W)</b>
Distance and direction from nearest town or city street address of well if located within city? Approximately 2 1/2 miles north and 2 1/8 miles west of Raymond		Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: 38.318154 Longitude: -98.454577 Elevation: Unknown Datum: NAD83 Data Collection Method: WAAS GPS Unit		
<b>2 WATER WELL OWNER:</b> Mike Ringwald RR#, St. Address, Box # : 655 3rd Road City, State, ZIP Code : Ellinwood, KS 67526				

<b>3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:</b>	<p><b>4 DEPTH OF COMPLETED WELL</b> 105 ft.</p> <p>Depth(s) Groundwater Encountered (1) _____ ft. (2) _____ ft. (3) _____ ft.</p> <p>WELL'S STATIC WATER LEVEL 20 ft. below land surface measured on mo/day/yr. 06-09-08</p> <p>Pump test data: Well water was Not checked ft. after _____ hours pumping _____ gpm</p> <p>Est. Yield Unknown gpm: Well water was _____ ft. after _____ hours pumping _____ gpm</p> <p>WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well</p> <p>1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)</p> <p><b>(2)</b> Irrigation 4 Industrial 7 Domestic (lawn &amp; garden) 10 Monitoring well</p> <p>Was a chemical/bacteriological sample submitted to Department? Yes _____ No <input checked="" type="checkbox"/> If yes, mo/day/yr _____</p> <p>Sample was submitted _____ Water well disinfected? Yes <input checked="" type="checkbox"/> No _____</p>
---	---



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

Blank casing diameter 12 in. to 74 ft., Diameter in. to \_\_\_\_\_ ft., Diameter in. to \_\_\_\_\_ ft.  
 Casing height above land surface 12 in., weight 12.71 lbs./ft. Wall thickness or gauge No. 490

**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 Gauzed 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 74 ft. to 104 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**GRAVEL PACK INTERVALS:** From 20 ft. to 105 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 0 ft. to 20 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 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? **Northeast** How many feet? **Approximately 300'**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Topsoil	78	97	Sandstone, soft, tan
5	16	Sand, coarse to very fine, loose	97	98	Clay, yellow, with streaks of sandstone
16	19	Clay, brown, sandy, soft	98	100	Sandstone, with iron pyrite streaks
19	33	Sand, coarse to very fine, loose	100	102	Clay, dark, hard
33	36	Clay, brown, white, hard	102	105	Shale, dark, hard
36	52	Clay, grayish, white, hard, sandy, with streaks of sandstone			
52	74	Clay, brown, medium, soft			
74	76	Sandstone, fine, soft, tan			
76	78	Clay, yellow and white, hard, with streaks of limestone			

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was **(1) constructed** **(2)** reconstructed **(3)** plugged under my jurisdiction and was completed on (mo/day/year) **06-09-08** and this record is true to the best of my knowledge and belief.  
 Kansas Water Well Contractor's License No. **185** This Water Well Record was completed on (mo/day/year) **06-18-08**  
 Under the business name of **Clarke Well & Equipment, 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, 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.

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

May 22, 2017

JOHN BALDWIN FAMILY TRUST #1  
ONE NORTH MAIN  
HUTCHINSON KS 67504

**FILE COPY**

RE: Application  
File No. 49843

Dear Sir or Madam:

Your application for permit to appropriate water in 17-20S-10W in Rice 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 "Kristen A. Baum". The signature is written in a cursive style.

Kristen A. Baum  
New Applications Unit Supervisor  
Water Appropriation Program

BAT: dlw  
pc: STAFFORD Field Office  
GMD

SCANNED

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

WATER RESOURCES  
RECEIVED

May 3, 2017

MAY 22 2017

JOHN BALDWIN FAMILY TRUST 1  
ONE NORTH MAIN  
HUTCHINSON KS 67504

KS DEPT OF AGRICULTURE

Re: Unacceptable Application

Dear Sir or Madam:

Returned herewith is your Application for Permit to Appropriate Water for Beneficial Use and Application for Approval to Change the Place of Use, the Point of Diversion or the Use Made of Water Under and Existing Water Right received by the Division of Water Resources on May 3, 2017. These applications are not acceptable for filing in their present form.

The required fee as stated on the enclosed fee schedule OR as stated on the bottom of the signature page of the application was not included. Therefore, we find it necessary to return the applications to you. Upon submitting the applications to this office with the required fee, they will be further examined and processed. Based on the information received, \$500 is needed for the filing fee, \$300 for the New Application and \$200 for the Change Application.

In order to be acceptable for filing, change applications shall be signed by at least one owner of the water right, or a duly authorized agent of an owner. Prior to approval, change applications shall be signed by all of the water right owners, including their spouses, or a duly authorized agent of the owners of the right. If the property is held by a different party, please provide documentation in the form of a copy of the recorded deed. Please be reminded that **all signatures must be notarized, and photocopies or fax signatures are not acceptable.**

Upon return of the acceptable application with required original signatures and information, it will be assigned a priority based upon the date and time it is received in the office of the Chief Engineer. If you have any questions, please contact me at (785) 564-6631 or [alex.whitesell@ks.gov](mailto:alex.whitesell@ks.gov).

Sincerely,

Alex Whitesell  
Environmental Scientist  
Water Appropriation Program

enclosure

400

49843

Parent Order No  
Sprinkler Order No RINGWALD, MIKE #4 WITH III PROFILE

Dealer Inman Irrigation, Inc.  
Customer: R-5 OPERATIONS, LP  
Field Name RINGWALD, MIKE #4 NW 1/4 SECTION 17

*Renozzled to 400 gpm*

Valley Standard Pivot 8000 Machine Setup Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Nozzle Size	Color	Spk Model	Wear Pad	Drop Len (in)	Regulator
--------	----------------------	--------	-------------	-------	-----------	----------	---------------	-----------

1	5.4			Gauge				
2	14.4			Plug				

Sprinkler : Senninger Xi-Wob



3	23.4	1	7	Lime	Xi-Wob - UP3	610 Blue	66	PSR 10A
4	32.4		Plug					
5	41.4	2	7	Lime	Xi-Wob - UP3	610 Blue	78	PSR 10A
6	50.4		Plug					
7	59.4	3	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
8	68.4		Plug					
9	77.4	4	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
10	86.4		Plug					
11	95.3	5	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
12	104.3		Plug					
13	113.3	6	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
14	122.3		Plug					
15	131.3	7	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
16	140.2		Plug					
17	149.2	8	7	Lime	Xi-Wob - UP3	610 Blue	78	PSR 10A
18	158.2		Plug					
19	167.2	9	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	66	PSR 10A
20	176.2		Plug					

180.9 Tower Number : 1 Span Length (ft): 179.9 Hose Slings: Qty 0.

21	185.5	10	7	Lime	Xi-Wob - UP3	610 Blue	60	PSR 10A
22	194.5	11	7	Lime	Xi-Wob - UP3	610 Blue	66	PSR 10A
23	203.5	12	7	Lime	Xi-Wob - UP3	610 Blue	72	PSR 10A
24	212.5	13	7	Lime	Xi-Wob - UP3	610 Blue	78	PSR 10A
25	221.5	14	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
26	230.5	15	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
27	239.5	16	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
28	248.5	17	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
29	257.5	18	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
30	266.5	19	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
31	275.4	20	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
32	284.4	21	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
33	293.4	22	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
34	302.4	23	7	Lime	Xi-Wob - UP3	610 Blue	90	PSR 10A
35	311.4	24	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
36	320.3	25	7	Lime	Xi-Wob - UP3	610 Blue	84	PSR 10A
37	329.3	26	7	Lime	Xi-Wob - UP3	610 Blue	78	PSR 10A

WATER RESOURCES RECEIVED

Setup Sprinkler Chart - 07/09/2013

MAY 22 2017



49843

Parent Order No  
 Sprinkler Order No RINGWALD, MIKE #4 WITH HI PROFILE

Dealer Inman Irrigation, Inc.  
 Customer R-S OPERATIONS, LP  
 Field Name RINGWALD, MIKE #4 NW 1/4 SECTION 17

**Valley Standard Pivot 8000 Machine Setup Sprinkler Chart**

Cpl No	Dist From Pivot (ft)	Spk No	Nozzle Size	Color	Spk Model	Wear Pad	Drop Len (in)	Regulator
38	338.3	27	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	72	PSR 10A
39	347.3	28	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	66	PSR 10A
40	356.3	29	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	60	PSR 10A
361.0 Tower Number : 2 Span Length (ft): 180.1 Hose Slings: Otv 0.								
41	365.6	30	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	60	PSR 10A
42	374.6	31	7.5	Lime Notched	Xi-Wob - UP3	610 Blue	66	PSR 10A
43	383.6	32	8	Lavender	Xi-Wob - UP3	610 Blue	72	PSR 10A
44	392.6	33	8	Lavender	Xi-Wob - UP3	610 Blue	78	PSR 10A
45	401.6	34	8	Lavender	Xi-Wob - UP3	610 Blue	84	PSR 10A
46	410.6	35	8	Lavender	Xi-Wob - UP3	610 Blue	84	PSR 10A
47	419.6	36	8	Lavender	Xi-Wob - UP3	610 Blue	90	PSR 10A
48	428.6	37	8	Lavender	Xi-Wob - UP3	610 Blue	90	PSR 10A
49	437.6	38	8	Lavender	Xi-Wob - UP3	610 Blue	90	PSR 10A
50	446.6	39	8.5	Lavender Notched	Xi-Wob - UP3	610 Blue	90	PSR 10A
51	455.5	40	8.5	Lavender Notched	Xi-Wob - UP3	610 Blue	90	PSR 10A
52	464.5	41	8.5	Lavender Notched	Xi-Wob - UP3	610 Blue	90	PSR 10A
53	473.5	42	8.5	Lavender Notched	Xi-Wob - UP3	610 Blue	90	PSR 10A
54	482.5	43	9	Grey	Xi-Wob - UP3	610 Blue	90	PSR 10A
55	491.5	44	8.5	Lavender Notched	Xi-Wob - UP3	610 Blue	84	PSR 10A
56	500.4	45	9	Grey	Xi-Wob - UP3	610 Blue	84	PSR 10A
57	509.4	46	9	Grey	Xi-Wob - UP3	610 Blue	78	PSR 10A
58	518.4	47	9	Grey	Xi-Wob - UP3	610 Blue	72	PSR 10A
59	527.4	48	9	Grey	Xi-Wob - UP3	610 Blue	66	PSR 10A
60	536.4	49	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	60	PSR 10A
541.1 Tower Number : 3 Span Length (ft): 180.1 Hose Slings: Otv 0.								
61	545.7	50	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	60	PSR 10A
62	554.7	51	9	Grey	Xi-Wob - UP3	610 Blue	66	PSR 10A
63	563.7	52	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	72	PSR 10A
64	572.7	53	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	78	PSR 10A
65	581.7	54	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	84	PSR 10A
66	590.7	55	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	84	PSR 10A
67	599.7	56	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
68	608.7	57	9.5	Grey Notched	Xi-Wob - UP3	610 Blue	90	PSR 10A
69	617.7	58	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
70	626.7	59	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
71	635.6	60	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
72	644.6	61	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
73	653.6	62	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
74	662.6	63	10	Turquoise	Xi-Wob - UP3	615 Black	90	PSR 10A
75	671.6	64	10.5	Turq Notched	Xi-Wob - UP3	615 Black	84	PSR 10A
76	680.5	65	10.5	Turq Notched	Xi-Wob - UP3	615 Black	84	PSR 10A

WATER RESOURCES RECEIVED

MAY 22 2017

49843

Parent Order No  
 Sprinkler Order No RINGWALD, MIKE #4 WITH HI PROFILE

Dealer Inman Irrigation, Inc.  
 Customer R-5 OPERATIONS, LP  
 Field Name RINGWALD, MIKE #4 NW 1/4 SECTION 17

**Valley Standard Pivot 8000 Machine Setup Sprinkler Chart**

Cpl No	Dist From Pivot (ft)	Spk No	Nozzle Size	Color	Spk Model	Wear Pad	Drop Len (in)	Regulator
77	689.5	66	10.5	Turq Notched	Xi-Wob - UP3	615 Black	78	PSR 10A
78	698.5	67	10.5	Turq Notched	Xi-Wob - UP3	615 Black	72	PSR 10A
79	707.5	68	10.5	Turq Notched	Xi-Wob - UP3	615 Black	66	PSR 10A
80	716.5	69	10.5	Turq Notched	Xi-Wob - UP3	615 Black	60	PSR 10A
721.2 Tower Number : 4 Span Length (ft): 180.1 Hose Slings: Qty 0.								
81	725.8	70	11	Yellow	Xi-Wob - UP3	615 Black	60	PSR 10A
82	734.8	71	10.5	Turq Notched	Xi-Wob - UP3	615 Black	66	PSR 10A
83	743.8	72	11	Yellow	Xi-Wob - UP3	615 Black	72	PSR 10A
84	752.8	73	11	Yellow	Xi-Wob - UP3	615 Black	78	PSR 10A
85	761.8	74	11	Yellow	Xi-Wob - UP3	615 Black	84	PSR 10A
86	770.8	75	11	Yellow	Xi-Wob - UP3	615 Black	84	PSR 10A
87	779.8	76	11	Yellow	Xi-Wob - UP3	615 Black	90	PSR 10A
88	788.8	77	11	Yellow	Xi-Wob - UP3	615 Black	90	PSR 10A
89	797.8	78	11	Yellow	Xi-Wob - UP3	615 Black	90	PSR 10A
90	806.8	79	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	90	PSR 10A
91	815.7	80	11	Yellow	Xi-Wob - UP3	615 Black	90	PSR 10A
92	824.7	81	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	90	PSR 10A
93	833.7	82	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	90	PSR 10A
94	842.7	83	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	90	PSR 10A
95	851.7	84	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	84	PSR 10A
96	860.6	85	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	84	PSR 10A
97	869.6	86	11.5	Yellow Notched	Xi-Wob - UP3	615 Black	78	PSR 10A
98	878.6	87	12	Red	Xi-Wob - UP3	615 Black	72	PSR 10A
99	887.6	88	12	Red	Xi-Wob - UP3	615 Black	66	PSR 10A
100	896.6	89	12	Red	Xi-Wob - UP3	615 Black	60	PSR 10A
901.3 Tower Number : 5 Span Length (ft): 180.1 Hose Slings: Qty 0.								
101	906.0	90	12	Red	Xi-Wob - UP3	615 Black	60	PSR 10A
102	915.0	91	12	Red	Xi-Wob - UP3	615 Black	72	PSR 10A
103	924.0	92	12	Red	Xi-Wob - UP3	615 Black	78	PSR 10A
104	933.0	93	12	Red	Xi-Wob - UP3	615 Black	84	PSR 10A
105	942.0	94	12	Red	Xi-Wob - UP3	615 Black	90	PSR 10A
106	951.0	95	12.5	Red Notched	Xi-Wob - UP3	615 Black	96	PSR 10A
107	960.0	96	12.5	Red Notched	Xi-Wob - UP3	615 Black	102	PSR 10A
108	969.0	97	12	Red	Xi-Wob - UP3	615 Black	108	PSR 10A
109	978.0	98	12.5	Red Notched	Xi-Wob - UP3	615 Black	108	PSR 10A
110	987.0	99	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
111	995.8	100	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
112	1004.8	101	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
113	1013.8	102	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
114	1022.8	103	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
115	1031.8	104	13	White	Xi-Wob - UP3	615 Black	114	PSR 10A

WATER RESOURCES RECEIVED

49843

Parent Order No  
 Sprinkler Order No RINGWALD, MIKE #4 WITH HI PROFILE

Dealer Inman Irrigation, Inc.  
 Customer R-5 OPERATIONS, LP  
 Field Name RINGWALD, MIKE #4 NW 1/4 SECTION 17

**Valley Standard Pivot 8000 Machine Setup Sprinkler Chart**

Cpl No	Dist From Pivot (ft)	Spk No	Nozzle Size	Color	Spk Model	Wear Pad	Drop Len (in)	Regulator
116	1040.7	105	13	White	Xi-Wob - UP3	615 Black	114	PSR 10A
117	1049.7	106	12.5	Red Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
118	1058.7	107	13	White	Xi-Wob - UP3	615 Black	108	PSR 10A
119	1067.7	108	13	White	Xi-Wob - UP3	615 Black	108	PSR 10A
120	1076.7	109	13	White	Xi-Wob - UP3	615 Black	102	PSR 10A
1081.4 Tower Number : 6 Span Length (ft): 180.1 Hose Slings: Qty 0.								
121	1086.1	110	13	White	Xi-Wob - UP3	615 Black	102	PSR 10A
122	1095.1	111	13	White	Xi-Wob - UP3	615 Black	108	PSR 10A
123	1104.1	112	13.5	White Notched	Xi-Wob - UP3	615 Black	114	PSR 10A
124	1113.1	113	13	White	Xi-Wob - UP3	615 Black	120	PSR 10A
125	1122.1	114	13.5	White Notched	Xi-Wob - UP3	615 Black	126	PSR 10A
126	1131.1	115	13.5	White Notched	Xi-Wob - UP3	615 Black	126	PSR 10A
127	1140.1	116	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
128	1149.1	117	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
129	1158.1	118	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
130	1167.1	119	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
131	1176.0	120	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
132	1185.0	121	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
133	1194.0	122	13.5	White Notched	Xi-Wob - UP3	615 Black	132	PSR 10A
134	1203.0	123	14	Blue	Xi-Wob - UP3	615 Black	132	PSR 10A
135	1212.0	124	13.5	White Notched	Xi-Wob - UP3	615 Black	126	PSR 10A
136	1220.8	125	14	Blue	Xi-Wob - UP3	615 Black	126	PSR 10A
137	1229.8	126	14	Blue	Xi-Wob - UP3	615 Black	120	PSR 10A
138	1238.8	127	14	Blue	Xi-Wob - UP3	615 Black	114	PSR 10A
139	1247.8	128	14	Blue	Xi-Wob - UP3	615 Black	108	PSR 10A
140	1256.8	129	14	Blue	Xi-Wob - UP3	615 Black	102	PSR 10A
141	1260.6		B.P.					
1261.2 Tower Number : 7 Span Length (ft): 179.8 Hose Slings: Qty 0.								
142	1265.8	130	14	Blue	Xi-Wob - UP3	615 Black	102	PSR 10A
143	1275.0	131	14.5	Blue Notched	Xi-Wob - UP3	615 Black	108	PSR 10A
144	1284.1	132	15	Dark Brown	Xi-Wob - UP3	615 Black	108	PSR 10A
Sprinkler : Senninger Spray								
145	1287.7	133	14	Blue	Directional			
1288.7 Overhang Span Length (ft): 27.4 Hose Slings: Qty 0.								
Sprinkler : Nelson Endgun								
146	1288.7	134	0.45		SR75			
Hose Slings: Qty 0.								

Endgun Arc Settings: Forward Angle: 45 Reverse Angle: 80

WATER RESOURCES RECEIVED

MAY 22 2017

Parent Order No

Dealer Inman Irrigation, Inc.

Sprinkler Order No RINGWALD, MIKE #4 WITH HI PROFILE

Customer R-5 OPERATIONS, LP

Field Name RINGWALD, MIKE #4 NW 1/4 SECTION 17

Valley Standard Pivot 8000 Percent Timer Data

Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.093(in)

Hours Per Revolution = 14.0

Based on Inches

Inches Per 360 Degrees	Pivot % Timer	Hours Per 360 Degrees
0.093	100.0	14.0
0.10	93.2	15.0
0.20	46.6	30.0
0.30	31.1	45.0
0.40	23.3	60.1
0.50	18.6	75.3
0.60	15.5	90.3
0.70	13.3	105.3
0.80	11.6	120.7
0.90	10.4	134.6
1.00	9.3	150.5
1.25	7.5	186.7
1.50	6.2	225.8
1.75	5.3	264.2

Based on % Timer

Pivot % Timer	Inches Per 360 Degrees	Hours Per 360 Degrees
100.0	0.093	14.0
90.0	0.10	15.6
80.0	0.12	17.5
70.0	0.13	20.0
60.0	0.16	23.3
50.0	0.19	28.0
45.0	0.21	31.1
40.0	0.23	35.0
35.0	0.27	40.0
30.0	0.31	46.7
25.0	0.37	56.0
20.0	0.47	70.0
17.5	0.53	80.0
15.0	0.62	93.3
12.5	0.75	112.0
10.0	0.93	140.0
7.5	1.24	186.7
5.0	1.86	280.0

WATER RESOURCES RECEIVED

MAY 22 2017 SCANNED

KS DEPT OF AGRICULTURE

Field Area

Flow

Pressure

LRDU Drive Train

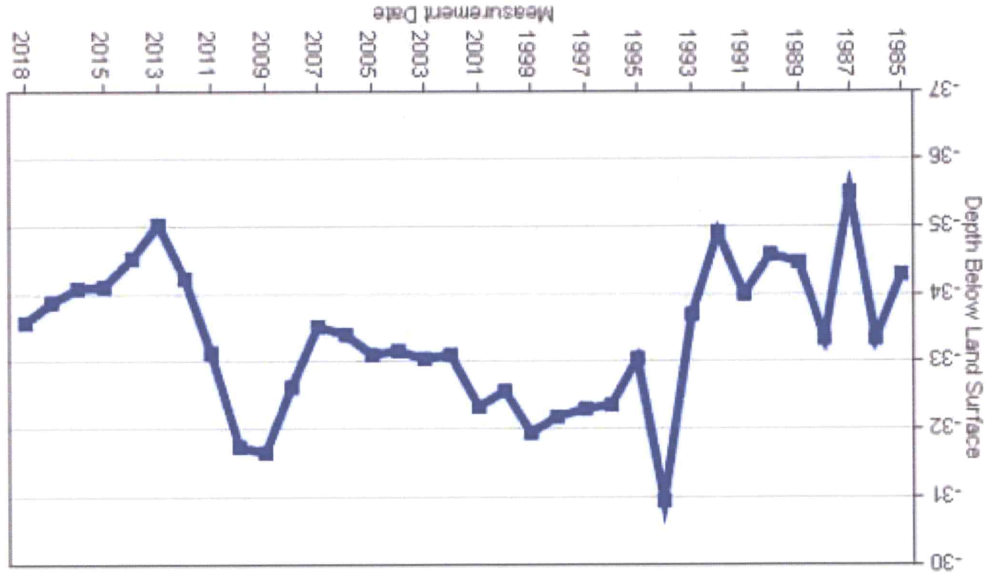
132.8 Acres Total	400 (GPM)	25 PSI Pivot Pressure	34 RPM Center Drive @ 60 Hz freq.
119.8 (Ac/Pivot 360°)	3.01 (GPM per Acre)	Inlet Pressure	11.2 x 38 Tire
13.1 EG on 100%	0.16 (In per Day) App Rate	15.0 (ft) Highest Elevation	52:1 Wheel GB Ratio, LRDU Dist 1761.7 Ft.
1288.7 (ft) Machine Length	0.093 (in) App Depth @ 100%	15.0 (ft) Lowest Elevation	14.0 Hrs/360 @ 100% (9.45) Ft/Min
68.4 (ft) End Gun Radius	39.8 (GPM) End Gun		

Disclaimer

The information presented in the attached Percent Timer Report is based on variables which cannot be totally controlled by Valmont (including, but not limited to: pivot pressure, inside pipeline surface, end gun throw, end gun arc setting, tire slippage, tire pressure, field slopes, soil variations, sprinkler package installation, well capacity, center drive motor voltage, center drive motor frequency, climatic conditions and other elements and circumstances beyond Valmont's reasonable control). Valmont recommends monitoring the machine for at least one pass through field to obtain an accurate rotation time.

49843

3 miles SE  
Site 27 T205 R10W



Water Rights and Points of Diversion Within 2.00 miles of point defined as:  
 5155 ft N and 3531 ft W of the SE Corner of Section 17, T 20S, R 10W  
 Located at: 98.454917 West Longitude and 38.317927 North Latitude  
 GROUNDWATER ONLY

#49,843  
 meets spacing

File Number	Use	ST	SR	Dist (mi)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit		
A__ 43570	00	IRR	NK	G	1.50	--	SW	NE	SE	1418	1088	9	20	10W	1	G	4	195.00	195.00	AF
Same					1.50	--	NW	SE	SE	1170	1050	9	20	10W	2	B	4			
Same					1.50	--	SW	NE	SE	1430	1100	9	20	10W	3	B	4			
Same					1.46	--	SW	NE	SE	1350	1280	9	20	10W	4	B	4			
Same					1.54	--	SW	NE	SE	1720	920	9	20	10W	5	B	4			
A__ 45835	00	IRR	NK	G*	1.19	--	NW	NW	NW	4831	5078	9	20	10W	9	G	4	169.40	169.40	AF
Same					1.18	--	NW	NW	NW	4843	5147	9	20	10W	10	B	4			
Same					1.23	--	NW	NW	NW	5120	5159	9	20	10W	11	B	4			
Same					1.22	--	NW	NW	NW	4839	4851	9	20	10W	13	B	4			
Same					1.13	--	SW	NW	NW	4523	5153	9	20	10W	14	B	4			
A__ 46878	00	IRR	NK	G*	.00	--	NW	NE	NW	5155	3531	17	20	10W	1	G	4	92.40	92.40	AF
Same					.02	--	NW	NE	NW	5236	3515	17	20	10W	2	B	4			
Same					.04	--	NW	NE	NW	5214	3736	17	20	10W	3	B	4			
Same					.04	--	NW	NE	NW	5236	3340	17	20	10W	4	B	4			
Same					.04	--	NW	NE	NW	4934	3535	17	20	10W	5	B	4			
A__ 49843	00	IRR	AY	G	.00	--	NW	NE	NW	5155	3531	17	20	10W	1	G	4	186.20	93.80	AF
Same					.02	--	NW	NE	NW	5236	3515	17	20	10W	2	B	4			
Same					.04	--	NW	NE	NW	5214	3736	17	20	10W	3	B	4			
Same					.04	--	NW	NE	NW	5236	3340	17	20	10W	4	B	4			
Same					.04	--	NW	NE	NW	4934	3535	17	20	10W	5	B	4			
A__ 49900	00	IRR	AY	G	1.19	--	NW	NW	NW	4831	5078	9	20	10W	9	G	4	224.00	54.60	AF
Same					1.18	--	NW	NW	NW	4843	5147	9	20	10W	10	B	4			
Same					1.23	--	NW	NW	NW	5120	5159	9	20	10W	11	B	4			
Same					1.22	--	NW	NW	NW	4839	4851	9	20	10W	13	B	4			
Same					1.13	--	SW	NW	NW	4523	5153	9	20	10W	14	B	4			

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	148.40	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	456.80	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	605.20	.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:  
 98.454917 West Longitude and 38.317927 North Latitude  
 GROUNDWATER ONLY  
 WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 43570	00	IRR	NK G

> CELESTINE C DEPENBUSCH TRUST  
> PEOPLES BK&TRT-TRUST DEPT  
> 601 E 30TH AVE  
> HUTCHINSON KS 67502

-----  
A\_\_ 45835 00 IRR NK G

> THOMAS C SNELL  
>  
> 509 W 6TH ST  
> ELLINWOOD KS 67526

-----  
A\_\_ 46878 00 IRR NK G

> FIRST NATIONAL BANK (HUTCHINSON)  
> JOHN BALDWIN FMLY TR NO 1  
> PO BOX 913  
> HUTCHINSON KS 67504

-----  
A\_\_ 49843 00 IRR AY G

> FIRST NATIONAL BANK (HUTCHINSON)  
> JOHN BALDWIN FMLY TR NO 1  
> PO BOX 913  
> HUTCHINSON KS 67504

-----  
A\_\_ 49900 00 IRR AY G

> THOMAS C SNELL  
>  
> 509 W 6TH ST  
> ELLINWOOD KS 67526

-----  
=====

# Analysis Results

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 854.51 AF. *-456.8 = 397.71 AF available*

Total prior appropriations in the circle is 605.20 AF.

Total quantity of water available for appropriation is 249.31 AF.

*#49,843  
meet Safe Yield*

## Safe Yield Variables

The area used for the analysis is set at 8,042 acres.

The potential annual recharge at the circle center is estimated to be 1.7 inches.

The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 10-JUL-2018 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 5 water rights and 15 points of diversion within the circle.

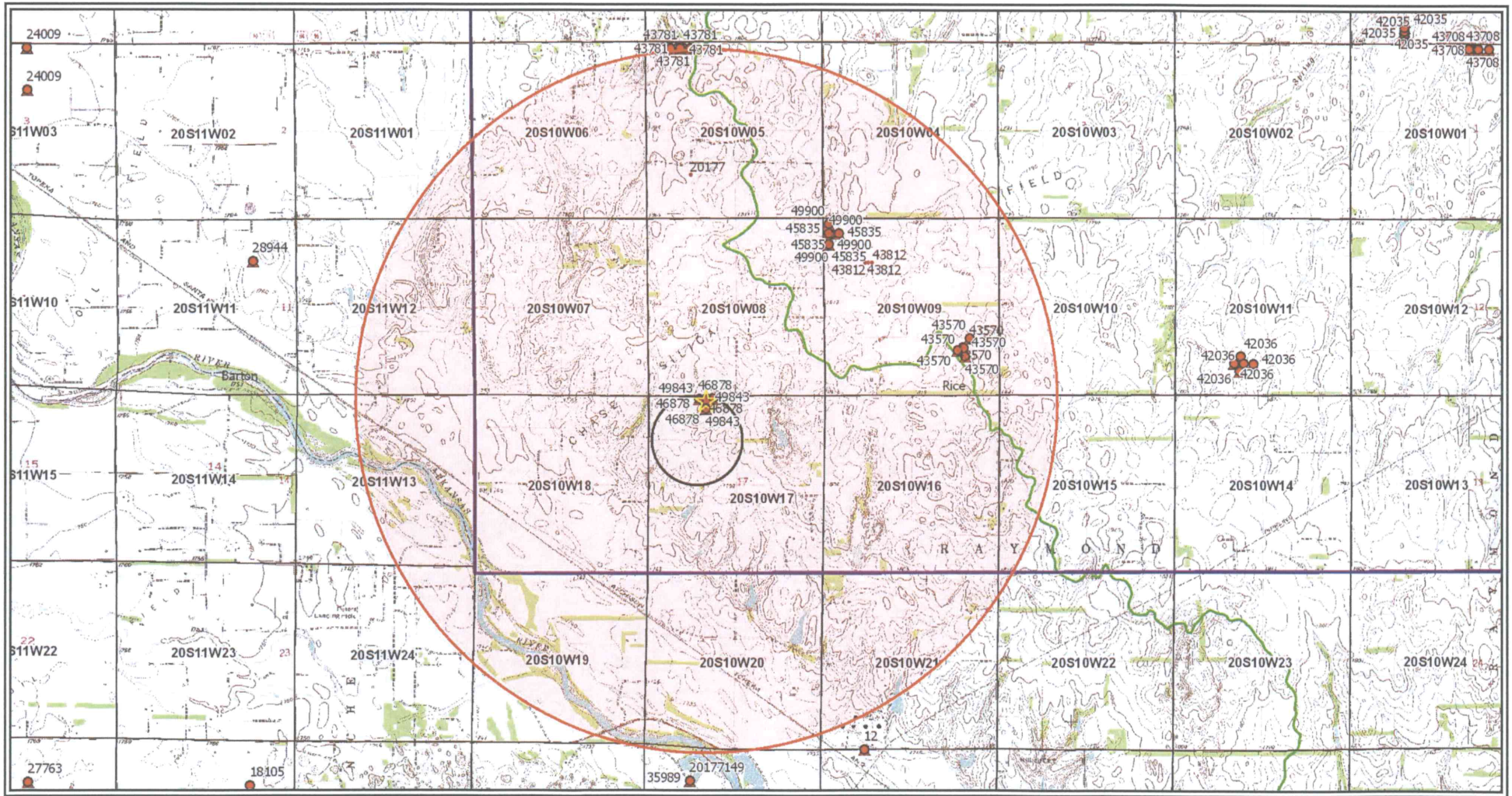
File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 43570 00	IRR	NK	G		SW	NE	SE	1418	1088	09	20	10W	1	WR	195.00	195.00	130.00	130.00
Same	IRR	NK	G		NW	SE	SE	1170	1050	09	20	10W	2	WR				
Same	IRR	NK	G		SW	NE	SE	1430	1100	09	20	10W	3	WR				
Same	IRR	NK	G		SW	NE	SE	1350	1280	09	20	10W	4	WR				
Same	IRR	NK	G		SW	NE	SE	1720	920	09	20	10W	5	WR				
A 45835 00	IRR	NK	G		NW	NW	NW	4831	5078	09	20	10W	9	WR	169.40	169.40	121.00	121.00
Same	IRR	NK	G		NW	NW	NW	4843	5147	09	20	10W	10	WR				
Same	IRR	NK	G		NW	NW	NW	5120	5159	09	20	10W	11	WR				
Same	IRR	NK	G		NW	NW	NW	4839	4851	09	20	10W	13	WR				
Same	IRR	NK	G		SW	NW	NW	4523	5153	09	20	10W	14	WR				
A 46878 00	IRR	NK	G		NW	NE	NW	5155	3531	17	20	10W	1	WR	92.40	92.40	66.00	66.00
Same	IRR	NK	G		NW	NE	NW	5236	3515	17	20	10W	2	WR				
Same	IRR	NK	G		NW	NE	NW	5214	3736	17	20	10W	3	WR				
Same	IRR	NK	G		NW	NE	NW	5236	3340	17	20	10W	4	WR				
Same	IRR	NK	G		NW	NE	NW	4934	3535	17	20	10W	5	WR				
A 49843 00	IRR	AY	G		NW	NE	NW	5155	3531	17	20	10W	1	WR	186.20	93.80	133.00	67.00
Same	IRR	AY	G		NW	NE	NW	5236	3515	17	20	10W	2	WR				
Same	IRR	AY	G		NW	NE	NW	5214	3736	17	20	10W	3	WR				
Same	IRR	AY	G		NW	NE	NW	5236	3340	17	20	10W	4	WR				
Same	IRR	AY	G		NW	NE	NW	4934	3535	17	20	10W	5	WR				
A 49900 00	IRR	AY	G		NW	NW	NW	4831	5078	09	20	10W	9	WR	224.00	54.60	160.00	0.00
Same	IRR	AY	G		NW	NW	NW	4843	5147	09	20	10W	10	WR				
Same	IRR	AY	G		NW	NW	NW	5120	5159	09	20	10W	11	WR				
Same	IRR	AY	G		NW	NW	NW	4839	4851	09	20	10W	13	WR				
Same	IRR	AY	G		SW	NW	NW	4523	5153	09	20	10W	14	WR				

*456.8 AF appropriated*



#49843

Safe Yield Report Sheet  
Water Right- Proposed Point of Diversion  
Point of Diversion in 17-20S-10W  
Footages from SE corner- 5,155 feet North 3,531 feet West







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. **MAY 22 2017**

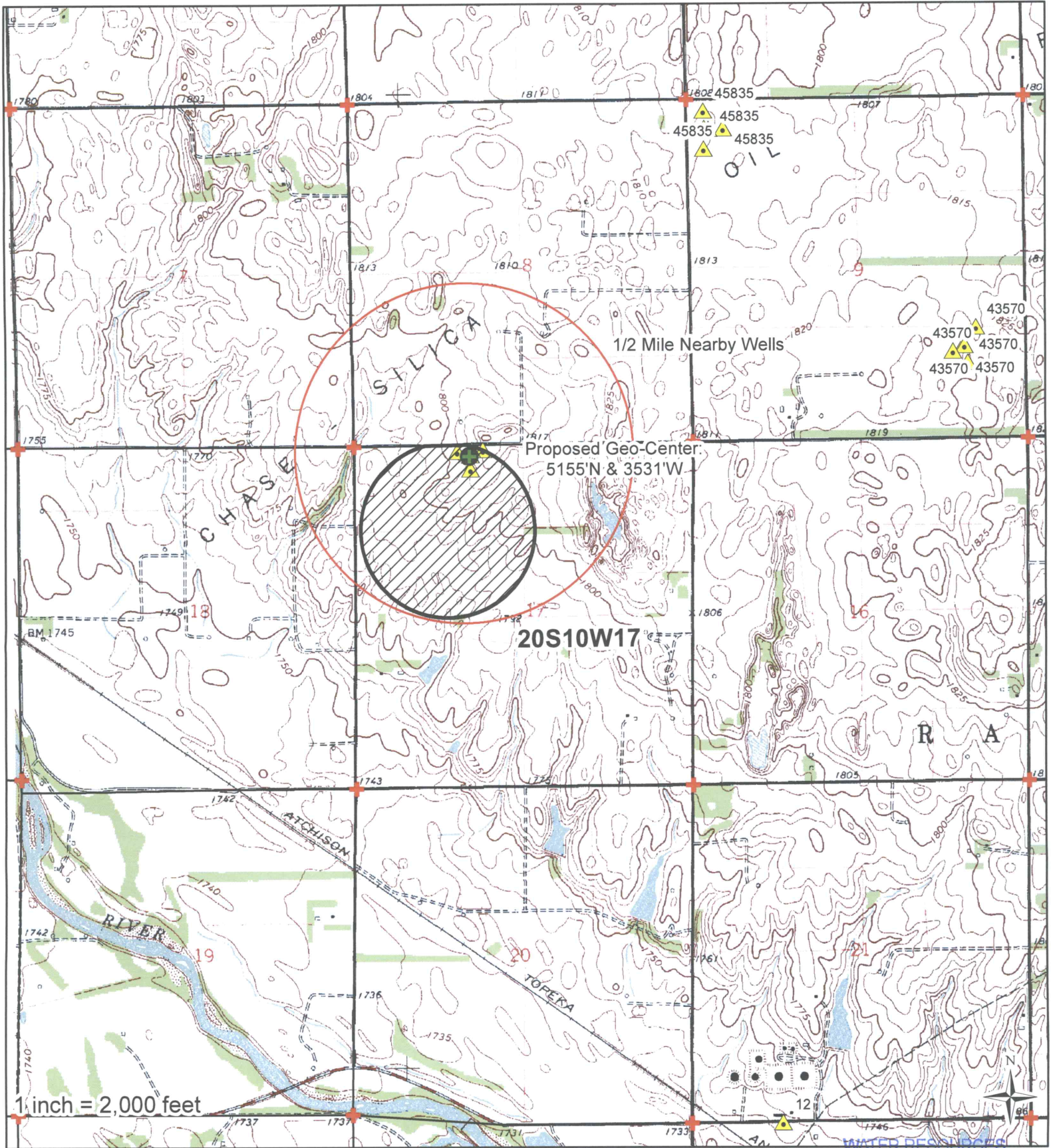
- Proposed PD
- Proposed Place Of Use
- Domestic Wells
- Water Rights
- SFFOsec\_corners

\_\_\_\_\_ **5-10-17**  
 Signature Date

0 400 800 1,600 2,400 3,200 Feet

**KS DEPT OF AGRICULTURE**  
 Created By: Matt Meier  
 F.O. 2  
 Date: 4/26/2017  
**SCANNED**





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
- Domestic Wells
- Water Rights
- SFFOsec\_corners

\_\_\_\_\_  
Signature Date



MAY 22 2017

Created By: Matt Meier  
F.O. 2  
Date: 4/26/2017  
KS DEPT OF AGRICULTURE  
SCANNED