

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

1. File Number: 49,896	2. Status Change Date: <i>11/17/2018</i>	3. Field Office: 01	4. GMD: 0
5. Status: <input checked="checked" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input checked="checked" type="checkbox"/> Check Valve <input checked="checked" type="checkbox"/> N of C Form <input checked="checked" type="checkbox"/> Water Tube <input checked="checked" type="checkbox"/> Driller Copy <input checked="checked" type="checkbox"/> Meter			
7a. Applicant(s) New to system <input type="checkbox"/> JOHN H & BARBARA D TAYLOR 2860 ZEANDALE RD MANHATTAN KS 66502-9383		7c. Landowner(s) New to system <input type="checkbox"/> 7d. Misc. New to system <input type="checkbox"/> VENTRIA BIOSCIENCE % ALLEN FRIEDRICHS 2718 INDUSTRIAL DRIVE JUNCTION CITY KS 66441	
7b. Landowner(s) 7a.		Person ID _____ Add Seq# _____	
8. WUR Correspondent New to system <input type="checkbox"/> Overlap File (s) WUC Agree <input type="checkbox"/> Yes <input type="checkbox"/> No 7a.		9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="checked" type="checkbox"/> No <input checked="checked" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input checked="checked" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN <input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON <input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG <input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____	
10. Completion Date: <u>12/31/2019</u>		11. Perfection Date: <u>12/31/2023</u>	
12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="checked" type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="checked" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
Date Prepared: 12/5/2017 By: DWS Date Entered: <i>11/19/2018</i> By: <i>UM</i>			

File No. 49,896	15. Formation Code: 113	Drainage Basin: KANSAS River	County: RL	Special Use:	Stream:																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> 16. Points of Diversion T MOD DEL ENT </td> <td style="width:50%; vertical-align: top;"> 17. Rate and Quantity Authorized Additional Rate gpm Quantity AF Rate gpm Quantity AF Overlap PD Files </td> </tr> <tr> <td style="text-align: center;"> PDIV Qualifier S T R ID 'N 'W </td> <td></td> </tr> <tr> <td> MOD 86318 SE NW NE 26 10 8E 1 4020 1410 </td> <td> 1800 99 1800 99 20179059 </td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>						16. Points of Diversion T MOD DEL ENT	17. Rate and Quantity Authorized Additional Rate gpm Quantity AF Rate gpm Quantity AF Overlap PD Files	PDIV Qualifier S T R ID 'N 'W		MOD 86318 SE NW NE 26 10 8E 1 4020 1410	1800 99 1800 99 20179059											
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MOD 86318 SE NW NE 26 10 8E 1 4020 1410	1800 99 1800 99 20179059																					
18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft																						
19. Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____ Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____																						
20. Meter Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To be installed by <u>12/31/2019</u> Date Acceptable Meter Installed _____																						
21. Place of Use T MOD DEL ENT		NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files	
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						
√ 68538 26 10 8E 1		40	10	40														90	7a.	No	20179059	

Comments:

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

M E M O R A N D U M

TO: Files

DATE: December 5, 2017

FROM: Doug Schemm

RE: Application, File No. 49,896, and Term Permit Application, File No. 20179059

John H. and Barbara D. Taylor have filed the referenced application (File No. 49,896) to appropriate 99 acre-feet of groundwater from a proposed new well, at a rate of diversion of 1,800 gallons per minute for irrigation use on 90 acres. The well is located near the center of the Northeast Quarter of Section 26, Township 10 South, Range 8 East, Riley County, within the Kansas River Basin. The proposed place of use is wholly owned by the applicants, and the application has been signed stating they have access to the point of diversion. In addition, Ventría Bioscience has filed Term Permit Application, File No. 20179059 requesting 261 acre-feet at a diversion rate of 1,800 gallons per minute, which overlaps in both point of diversion and place of use with File No. 49,896. The quantity of water requested under File No. 49,896 of 99 acre-feet to irrigate 90 acres is the maximum allowable 1.1 acre-feet per acre for Riley County, per K.A.R. 5-3-19. The applicants were assisted by Topeka Field Office staff in preparation of the applications.

This irrigation project was discussed in greater detail with the applicant (John Taylor) on November 28, 2017 to more clearly elucidate specific issues, especially related to perfection of File No. 49,896. Mr. Taylor was informed that perfection is related to the maximum annual quantity of water actually applied to beneficial use in any one calendar year in accordance with the terms, conditions, and limitations of the approval of the application during the perfection period (i.e. on the authorized place of use). The perfected quantity of water would be reduced to the maximum allowable quantity, which is determined by multiplying the number of acres actually irrigated during the year of record by the quantity per acre as set forth in K.A.R. 5-3-19 (1.1 AF/acre).

Please note that the purpose of the overlapping term permit is to provide an additional quantity of water, in excess of what is considered to be a reasonable quantity for a normal Kansas field crop. The Term Permit Application is requesting 261 acre-feet to irrigate the same 90 acres proposed under File No. 49,896. The combined quantity of water of 360 acre-feet (99 AF + 261 AF) will provide for 4 acre-feet per acre, obviously exceeding the maximum allowable 1.1 acre-feet per acre for Riley County, per K.A.R. 5-3-19. However, Ventría Bioscience is proposing to grow rice on the property, and per K.A.R. 5-3-20, the quantity of water reasonably necessary to irrigate crops may be exceeded if the applicant demonstrates both of the following to the chief engineer: (1) Because of specialty crops or other unusual conditions, the quantity specified in K.A.R. 5-3-19 is insufficient. (2) The requested quantity is reasonable for the intended irrigation use, is not wasteful, and will not otherwise prejudicially and unreasonably affect the public interest.

Fortunately, there are nearby properties currently producing rice, and the necessary quantity of water for growing rice in this area of the state has been reviewed and documented by the Division of Water Resources (see specifically Appropriation of Water, File Nos. 46,984 and 49,546). Water requirements for rice production were established under these files, and ranged from 4.1 acre-feet to 4.7 acre-feet per acre. The requested quantity of 4 acre-feet per acre under this pending application is within this established range of values. Therefore, because rice is a specialty crop and the requested quantity of water is reasonable for the intended irrigation use, is not wasteful, and will not otherwise prejudicially and unreasonably affect the public interest, this application complies with K.A.R. 5-3-20.

The term application has requested a 5-year term permit, to extend from March 1, 2018 to March 1, 2023. Because the period of use for the term permit is less than five (5) years, the safe yield requirements of K.A.R. 5-3-10 and 5-3-11 do not apply.

Short term 5-10 yr lease
KAB/DWR

The applicant provided the names and addresses of four domestic well owners within one-half mile of the proposed point of diversion, which complies with K.A.R. 5-3-4 (including one owned by the applicants). Nearby well owner letters were sent out on November 8, 2017. No responses of any kind were received.

The proposed point of diversion meets minimum well spacing of 660 feet to all existing domestic wells (nearest domestic well is over 1,500 feet away), while the nearest non-domestic well (File No. 7,660) is located over 2,800 feet away. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be one-quarter mile to non-domestic wells.

Well logs were not submitted with the application, which is typical for wells sourcing the Kansas River alluvium. Nearby well logs display the typical alluvium lithology ranging from medium sand to gravel generally extending from 30 feet to more than 80 feet below ground where shale or limestone bedrock was encountered. Static water levels in area wells range from 25 feet to 30 feet below ground level.

Based on these well logs and the physical location of the wells, the source will be the Kansas River alluvium. K.A.R. 5-3-11 states that calculated recharge in the Kansas River alluvium shall be determined by taking 25% of the average annual rainfall in the area of consideration. For this application, there would be 8.3 inches of recharge. The extent of the alluvium for the area of consideration provides a total of 4,430 acres. With a potential recharge of 8.3 inches, and 75% available for appropriation, safe yield was determined to be 2,298 acre-feet. Prior appropriations in this area of consideration total 2,129.6 acre-feet, leaving 168.4 acre-feet available, and Application, File No. 49,896 requesting 99 acre-feet meets safe yield.

The proposed well is located over one-quarter mile from the Kansas River; therefore per the Kansas River Water Assurance Program Operations Agreement, the KRWAD was not notified of these pending applications.

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 these permits, a check valve will also need to be installed.

In a December 5, 2017 e-mail, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced applications. Based on the above discussion, well spacing and safe yield criteria are met, the requested quantity of water for rice production is reasonable and justified, and approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that both of the referenced new applications be approved.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback
FILE COPY

January 23, 2018

JOHN H & BARBARA D TAYLOR
2860 ZEANDALE RD
MANHATTAN KS 66502-9383

RE: Appropriation of Water, File No. 49,896

Dear Mr. and Mrs. Taylor:

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

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

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

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

Sincerely,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws

Enclosures

pc: Topeka Field Office
Allen Friedrichs – Ventria Bioscience

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. 49,896** of the applicant

JOHN H & BARBARA D TAYLOR
2860 ZEANDALE RD
MANHATTAN KS 66502-9383

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 **August 30, 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	
26 10S 8E		40	10	40													90

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located in the Southeast Quarter of the Northwest Quarter of the Northeast Quarter (SE¼ NW¼ NE¼) of Section 26, more particularly described as being near a point 4,020 feet North and 1,410 feet West of the Southeast corner of said section, in Township 10 South, Range 8 East, Riley County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **1,800 gallons per minute** (4.01 c.f.s.) and to a quantity not to exceed **99 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, which is currently \$400.00, when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 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, which is currently \$100.00.

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

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

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

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

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

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

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

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

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

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

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 perfected and certified under this permit will be restricted to the quantity determined by multiplying the number of acres actually irrigated (base acres) by the allowable quantity per acre as set forth in K.A.R. 5-3-19(b), for irrigation of normal row crops (1.1 AF per base acre).

RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

- 1) request an evidentiary hearing before the Chief Engineer, or
- 2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary. To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (i.e., **within a total of 18 days after this Order was mailed to you**), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (i.e., **within a total of 33 days after this Order was mailed to you**), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

Ordered this 17th day of January, 2018, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

Lane P. Letourneau, P.G.
Program Manager
Water Appropriation Program
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 17th day of January, 2018, by Lane P. Letourneau, P.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



Danielle Wilson

Notary Public

CERTIFICATE OF SERVICE

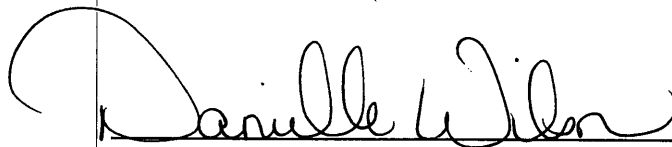
On this 23rd day of January, 2018, I hereby certify that the foregoing Approval of Application, File No. 49,896, dated January 17, 2018 was mailed postage prepaid, first class, US mail to the following:

JOHN H & BARBARA D TAYLOR
2860 ZEANDALE RD
MANHATTAN KS 66502-9383

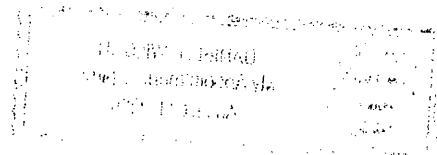
With photocopies to:

VENTRIA BIOSCIENCE
ALLEN FRIEDRICHS
2718 INDUSTRIAL DRIVE
JUNCTION CITY KS 66441

Topeka Field Office



Division of Water Resources



THE STATE

OF



KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

APPLICATION COMPLETE
11/28/17
Reviewer DWS

File Number 49,896
This item to be completed by the Division of Water Resources.

WATER RESOURCES
RECEIVED

AUG 30 2017
10:09

**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.)

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 H & BARBARA D TAYLOR
Address: 2860 ZEANDALE RD
City: MANHATTAN State: KS Zip Code 66502-9383
Telephone Number: (785) 776-0260

2. The source of water is: surface water in _____ (stream)
OR groundwater in KANSAS RIVER BASIN (drainage basin)

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

3. The maximum quantity of water desired is 99 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 1800 gallons per minute OR _____ cubic feet per second.

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

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

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

For Office Use Only:
F.O. 1 GMD 0 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County RL By KAB Date 8/30/17
Code _____ REG _____ Fee \$ 200 TR # _____ Receipt Date 8/30/17 Check # credit

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 SE quarter of the NW quarter of the NE Qtr East Half of Section 26, more particularly described as being near a point 4020 feet North and 1410 feet West of the Southeast corner of said section, in Township 10 South, Range 8 EAST, RILEY County, Kansas.

***60 DAYS TO LOCATE (See Site Map for test hole tract)**

(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):

Ventria Bioscience (c/o Allen Friedrichs) 2718 Industrial Dr. Junction City, KS 66441 (785) 238-1101
(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 30 Aug, 2017. Allen Friedrichs
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE WELL
(number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) SPRING 2018
(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 SPRING 2018
(Mo/Day/Year)

WATER RESOURCES RECEIVED
AUG 30 2017
KS DEPT OF AGRICULTURE

- 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 _____

GROUNDWATER WELL

- 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.

TERM PERMIT * 20179059

WATER RESOURCES RECEIVED

AUG 30 2017

KS DEPT OF AGRICULTURE

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>30JAN15</u>	_____	_____	_____
Total depth of well	<u>87 ft</u>	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

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

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

(name, address and telephone number)

(name, address and telephone number)

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

Dated at _____, Kansas, this 30 day of August, 2017.
(month) (year)

John H. Taylor
(Applicant Signature)



APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By _____
(Agent or Officer Signature)

and/or
APPLICANT(S) TAXPAYER I.D. NO.(S)

(Agent or Officer - Please Print)

Assisted by DWS

TOPEKA FO
(office/title)

Date: 1/7/2016

WATER RESOURCES RECEIVED

AUG 30 2017

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49,896

Name of Applicant (Please Print): JOHN H & BARBARA D TAYLOR

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: JOHN H & BARBARA D TAYLOR

ADDRESS: 2860 ZEANDALE RD, MANHATTAN, KS 66502-9383

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
26	10	8E		40	10	40													90

Landowner of Record NAME: _____

ADDRESS: _____

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

Landowner of Record NAME: _____

ADDRESS: _____

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

WATER RESOURCES
RECEIVED

AUG 30 2017

KS DEPT OF AGRICULTURE

Schemm, Doug

From: Tietsort, Katie
Sent: Tuesday, December 5, 2017 8:36 AM
To: Schemm, Doug
Subject: RE: Taylor File No. 49,896 and Term Permit, File No. 20179059

Doug,

Thanks for working this up. I do agree with the approval as worded. The condition is very clear about what can be certified. I appreciate that you elucidated the discussion we had with John in which we articulated how the base acres works developed, whether by the rice growth or traditional row crops should he grow them or extend the perfection period times the 1.1 AF/A if actually used, would be the certifiable value. He also knows to contact us about this at the time the perfection window is about to expire to make sure we are all on the same page with the final development numbers.

You can move this forward,
Thanks, Katie

Katie Tietsort

Kansas Department of Agriculture
6531 SE Forbes Ave Ste B
Topeka, KS 66619
katie.tietsort@ks.gov
Phone 785-296-5733

Achiever~Responsibility~Input~Relator~Arranger

From: Schemm, Doug
Sent: Monday, December 4, 2017 4:29 PM
To: Tietsort, Katie <Katie.Tietsort@ks.gov>
Subject: FW: Taylor File No. 49,896 and Term Permit, File No. 20179059

Brett's on board with the language.

From: Bunger, Brett
Sent: Monday, December 4, 2017 3:29 PM
To: Schemm, Doug <Doug.Schemm@ks.gov>
Cc: Tietsort, Katie <Katie.Tietsort@ks.gov>
Subject: RE: Taylor File No. 49,896

I think that will work

From: Schemm, Doug
Sent: Monday, December 4, 2017 2:01 PM
To: Bunger, Brett <Brett.Bunger@ks.gov>
Cc: Tietsort, Katie <Katie.Tietsort@ks.gov>
Subject: Taylor File No. 49,896

This is a Ventria Rice project where we have a regular appropriation to be approved for the allowable 99 AF on 90 acres,
And then Ventria has a term permit on top of it for 261 AF to get to the 4 AF/acre.
Does the condition #18 work ok for determining the ultimate perfection of the water right?
Thanks, Doug

File #49,896

Requesting 99 AF
meets safe
Yield

Analysis Results

The selected PD is in an area to new appropriations.
The safe yield, based on the variables listed below is 2,298.06 AF.
Total prior appropriation in the circle is 2,178.56 AF. - 99 AF = 2,079.6 + 50 AF = 2,129.6
Total quantity of water available for appropriation is 119.50 AF.

168.4 AF

Safe Yield Variables

The area used for the analysis is set at 4430 acres.
Potential annual recharge of the area is estimated to be 8.3 inches.
The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 13-NOV-2017 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded. There are 20 water right(s) and 18 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth_Quant	Add_Quant	Tacres	Nacres
A 3017	00	IRR	NK	G		NW	SW NE	3955	2630	19	10	09E	4	WR	160.00	160.00	160.00	160.00
A 7660	00	IRR	NK	G			CS SW	50	3948	23	10	08E	2	WR	136.00	136.00	118.00	118.00
A 8319	00	IRR	NK	G		SE	SE SE	0	0	22	10	08E	1	WR	109.00	109.00	100.00	100.00
A 12684	00	IRR	NK	G				5288	1933	24	10	08E	6	WR	100.00	100.00	638.00	638.00
A 12685	00	IRR	NK	G		SE	SW NW	2743	3855	13	10	08E	2	WR	267.00	267.00	638.00	0.00
A 12686	00	IRR	NK	G			NC W2	2600	4000	14	10	08E	2	PD	77.00	77.00	707.50	707.50
Same		IRR	NK	G				900	2350	15	10	08E	3	PD	48.00	48.00		
A 13172	00	IRR	NK	G		SW	NE SW	0	0	19	10	09E	2	WR	124.00	124.00	162.00	162.00
A 27122	00	IRR	NK	G		NW	SW NE	3955	2630	19	10	09E	4	WR	160.00	0.00	160.00	0.00
A 28665	00	IRR	NK	G				520	3400	24	10	08E	1	WR	72.00	72.00	176.00	176.00
A 28786	00	IRR	NK	G		NC	E2 SW NE	3340	1750	25	10	08E	3	PD	111.00	111.00	280.00	280.00
Same		IRR	NK	G			SE NW NE	4050	1700	25	10	08E	1	PD	153.00	153.00		
A 38540	00	IRR	NK	G			NC W2	2600	4000	14	10	08E	2	WR	38.00	38.00	707.50	0.00
A 38542	00	IRR	NK	G				900	2350	15	10	08E	3	WR	86.00	86.00	707.50	0.00
A 38543	00	IRR	NK	G				436	5275	14	10	08E	3	WR	*185.00	+41 144.00	707.50	0.00
A 38793	00	IRR	NK	G				4800	1600	24	10	08E	3	WR	117.00	103.00	638.00	0.00
A 42188	00	IRR	NK	G				2400	1618	14	10	08E	12	WR	130.00	130.00	707.50	0.00
A 42215	00	IRR	NK	G			NC	2728	2579	13	10	08E	4	WR	170.00	+9 15.00	638.00	0.00
A 44262	00	IRR	NK	G		NE	SE NW	3925	2725	30	10	09E	1	WR	125.00	125.00	134.00	134.00
A 45445	00	IRR	NK	G			NC	2728	2579	13	10	08E	4	WR	94.00	23.00	638.00	0.00
A 46676	00	IRR	NK	G		SE	NW NE	4093	1524	14	10	08E	16	WRF	58.56	58.56	55.00	55.00
A 49896	00	IRR	AY	G		SE	NW NE	3960	1320	26	10	08E	1	WR	99.00	99.00	90.00	90.00

o/l 3017

o/l 12,686
38,540, 2
38,542

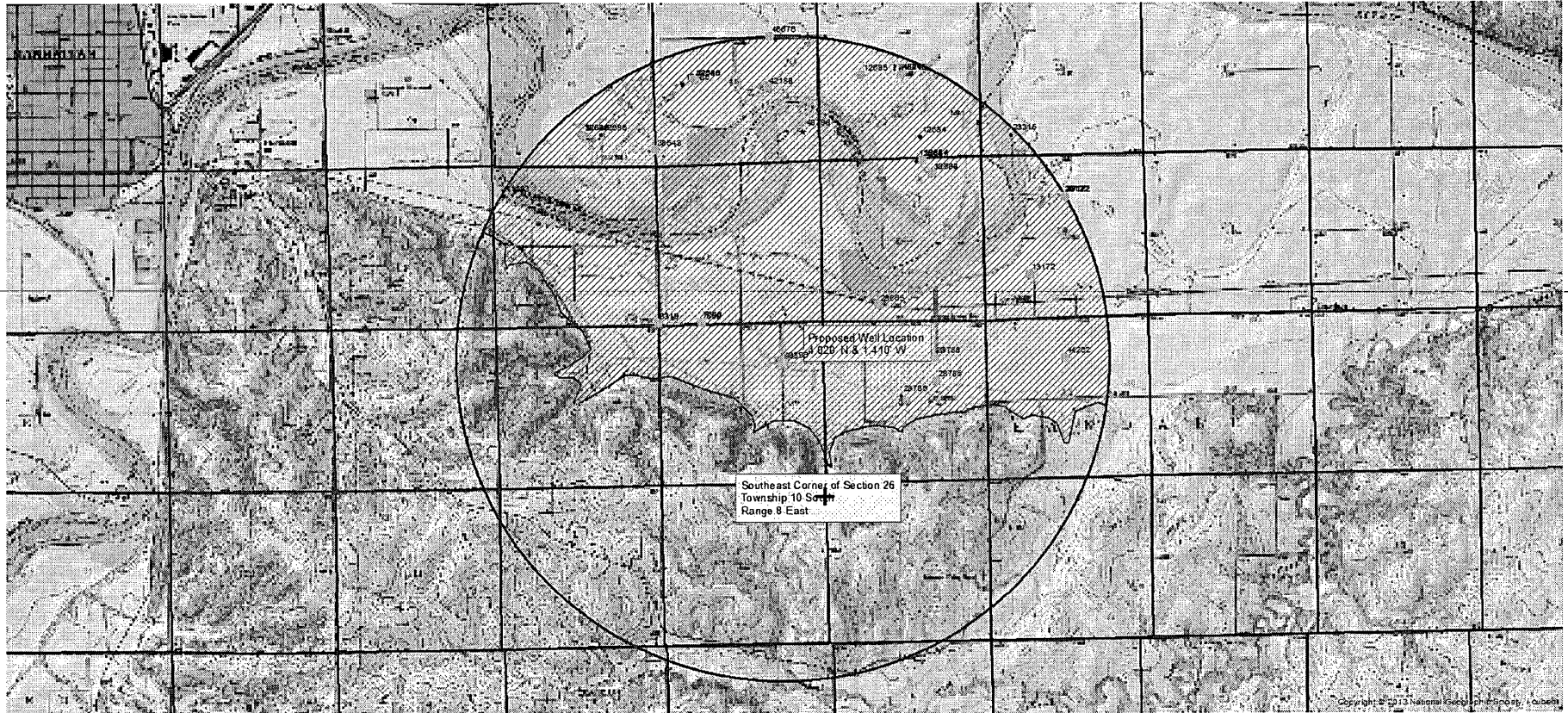
o/l 42,215

PU overlap with 38,541 (outside 2-mile circle)-124AF

77 AF + 38 + 86 AF = 201 AF

#38,543 Limited to 517 AF 185AF - 144AF = 41AF add'l could be pumped

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in SWSWENE 26-10S-08E
(4,020' N & 1,410' W)



Water Rights and Points of Diversion Within 2.00 miles of point defined as:
 4020 ft N and 1410 ft W of the SE Corner of Section 26, T 10S, R 8E
 Located at: 96.487226 West Longitude and 39.156026 North Latitude
 GROUNDWATER ONLY

*All wells > 1,320' meets
 spacing*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 7660	00	IRR	NK	G	2834	--	--	CS	SW	50	3948	23	10	8E	2	136.00	136.00	AF
A__ 8319	00	IRR	NK	G	4461	--	SE	SE	SE	-----	-----	22	10	8E	1	109.00	109.00	AF
A__ 12684	00	IRR	NK	G	8050	--	--	--	--	5288	1933	24	10	8E	6	100.00	100.00	AF
A__ 12685	00	IRR	NK	G	9767	--	SE	SW	NW	2743	3855	13	10	8E	2	267.00	267.00	AF
A__ 12686	00	IRR	NK	G	9518	--	--	NC	W2	2600	4000	14	10	8E	2	77.00	77.00	AF
Same					9779	--	--	--	--	900	2350	15	10	8E	3	48.00	48.00	AF
A__ 13172	00	IRR	NK	G	8850	--	SW	NE	SW	-----	-----	19	10	9E	2	124.00	124.00	AF
A__ 28665	00	IRR	NK	G	3717	--	--	--	--	520	3400	24	10	8E	1	72.00	72.00	AF
A__ 28786	00	IRR	NK	G	5033	--	SE	NW	NE	4050	1700	25	10	8E	1	153.00	153.00	AF
Same					5029	NC	E2	SW	NE	3340	1750	25	10	8E	3	111.00	111.00	AF
A__ 38540	00	IRR	NK	G	9518	--	--	NC	W2	2600	4000	14	10	8E	2	38.00	38.00	AF
A__ 38542	00	IRR	NK	G	9779	--	--	--	--	900	2350	15	10	8E	3	86.00	86.00	AF
A__ 38543	00	IRR	NK	G	7996	--	--	--	--	436	5275	14	10	8E	3	185.00	144.00	AF
A__ 38793	00	IRR	NK	G	7873	--	--	--	--	4800	1600	24	10	8E	3	117.00	103.00	AF
A__ 42188	00	IRR	NK	G	8975	--	--	--	--	2400	1618	14	10	8E	12	130.00	130.00	AF
A__ 42215	00	IRR	NK	G	10199	--	--	NC		2728	2579	13	10	8E	4	170.00	15.00	AF
A__ 44262	00	IRR	NK	G	9322	--	NE	SE	NW	3925	2725	30	10	9E	1	125.00	125.00	AF
A__ 45445	00	IRR	NK	G	10199	--	--	NC		2728	2579	13	10	8E	4	94.00	23.00	AF
A__ 49896	00	IRR	AY	G	108	--	SE	NW	NE	3960	1320	26	10	8E	1	99.00	99.00	AF
T__ 20179059	00	IRR	AY	G	108	--	SE	NW	NE	3960	1320	26	10	8E	1	261.00	261.00	AF

> 1/2 mile

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	360.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	1861.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2221.00	.00

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

Water Rights and Points of Diversion Within 2.00 miles of point defined as:
 96.487226 West Longitude and 39.156026 North Latitude
 GROUNDWATER ONLY
 WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 7660	00	IRR	NK G
> DWIGHT W JOHNSON			
>			
> 90 TUTTLE CREEK VW			
> MANHATTAN KS 66502			
>-----			

A__ 8319 00 IRR NK G
> DWIGHT W JOHNSON
>
> 90 TUTTLE CREEK VW
> MANHATTAN KS 66502
>-----

A__ 12684 00 IRR NK G
> STAR A INC
> DBA CK PROCESSING
> 3490 SWAMP ANGEL RD
> MANHATTAN KS 66502
>-----

A__ 12685 00 IRR NK G
> STAR A INC
> DBA CK PROCESSING
> 3490 SWAMP ANGEL RD
> MANHATTAN KS 66502
>-----

A__ 12686 00 IRR NK G
> STAR A INC
> DBA CK PROCESSING
> 3490 SWAMP ANGEL RD
> MANHATTAN KS 66502
>-----

A__ 13172 00 IRR NK G
> JERRY L MOREHEAD
>
> 400 MOREHEAD RD
> MANHATTAN KS 66502
>-----

A__ 28665 00 IRR NK G
> JERRY L MOREHEAD
>
> 400 MOREHEAD RD
> MANHATTAN KS 66502
>-----

A__ 28786 00 IRR NK G
> JANET CROCKER
>
> 1048 BRIANNA CT
> MANHATTAN KS 66503
>-----

A__ 38540 00 IRR NK G
> STAR A INC
> DBA CK PROCESSING
> 3490 SWAMP ANGEL RD
> MANHATTAN KS 66502
>-----

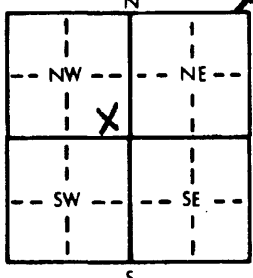
A__ 38542 00 IRR NK G
> STAR A INC
> DBA CK PROCESSING
> 3490 SWAMP ANGEL RD

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

1] LOCATION OF WATER WELL: County: Riley Fraction: SE 1/4 NW 1/4 SE 1/4 Section Number: 26 Township Number: T 10 S Range Number: R 8 E

Distance and direction from nearest town or city street address of well if located within city? 3 1/2 W 1/2 S OF ZEANDALE

2] WATER WELL OWNER: DARRELL PARKS
 RR#, St. Address, Box #: RR3 Box 182 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: MANHATTAN 66502 Application Number:

3] LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4] DEPTH OF COMPLETED WELL: 65 ft. ELEVATION: _____

Depth(s) Groundwater Encountered 1. 7.5 ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 33 ft. below land surface measured on mo/day/yr 7-8-82
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield: 100 gpm; Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 12 in. to 6.5 ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No X; If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes _____ No _____

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

Blank casing diameter: 5 in. to 0.55 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 2.9 in., weight _____ lbs./ft. Wall thickness or gauge No. 258

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) _____
 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____

SCREEN-PERFORATED INTERVALS: From 55 ft. to 65 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 10 ft. to 65 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 0 ft. to 1.0 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage

Direction from well? S How many feet? 110

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	6	TOP SOIL			
6	43	CLAY, BROWN			
43	55	FINE SAND, YELLOW			
55	65	FINE SAND, COARSE SAND, GRAVEL, YELLOW			

7] CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 4-8-82 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 5-4-82 under the business name of Strader Drlg Co., Inc. by (signature) Dale Parker

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
 T 10
 R 8
 E
 SEC. 26
 SE 1/4
 SE 1/4
 NW 1/4

1] LOCATION OF WATER WELL: County: Riley	Fraction NE 1/4 SE 1/4 NW 1/4	Section Number 26	Township Number T 10 S	Range Number R 8-9 EW
--	---	-----------------------------	----------------------------------	---

Distance and direction from nearest town or city street address of well if located within city?
4 Southeast of Manhattan, KS.

2] WATER WELL OWNER: **Roger Seymour**
 RR#, St. Address, Box # : **802 Elliott** Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : **Manhattan, Ks, 66502** Application Number:

3] LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4] DEPTH OF COMPLETED WELL 76' ft. ELEVATION:
---	--

1 Mile

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

WELL'S STATIC WATER LEVEL **18** ft. below land surface measured on **mo/day/yr 6/28/93**

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

Est. Yield **1.00** gpm: Well water was ft. after hours pumping gpm

Bore Hole Diameter . . . **1.0** . . . in. to **82** ft., and in. to ft.

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

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

2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes No *****; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes ***** No

5] TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)	Welded
2 PVC	4 ABS	7 Fiberglass		Threaded

CASING JOINTS: Glued ***** Clamped

Blank casing diameter . . . **5** in. to **5.6** ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface. . . . **18** in., weight **200** lbs./ft. Wall thickness or gauge No.

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)	11 Other (specify)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

1 Continuous slot	3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify)	

SCREEN-PERFORATED INTERVALS: From **5.6** ft. to **76** ft., From ft. to ft.

GRAVEL PACK INTERVALS: From **30** ft. to **76** ft., From ft. to ft.

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

Grout Intervals: From **0** ft. to **30** ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination:

1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	16 Other (specify below)
			13 Insecticide storage	

Direction from well? **West** How many feet? **300**

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Topsoil			
3	10	Gray Clay			
10	19	Tan Clay			
19	28	Gray Clay			
28	34	Blue Clay			
34	38	Brown Clay			
38	44	Blue Clay			
44	48	Sand (Fine)			
48	80	Sand (Med.)			
80	82	Limestone			

7] CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) . . . **6/28/93** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. . . . **518** This Water Well Record was completed on (mo/day/yr) . . . **7/14/93** under the business name of **BLUE VALLEY DRILLING** by (signature) *[Signature]*

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

OFFICE USE ONLY T R EW SEC. 1/4 1/4 1/4


Kansas
Department of Agriculture
Division of Water Resources

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

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

Phone: (785) 296-5733
Fax: (785) 296-8298
www.agriculture.ks.gov
Sam Brownback, Governor

November 8, 2017

DARRELL PARKS
1001 E 26TH AVE
MANHATTAN KS 66502

Re: Pending New Application, File No. 49,896

Dear Sir or Madam:

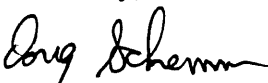
This is to advise you that John & Barbara Taylor have filed the application referred to above for a permit to appropriate 99 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 1,800 gallons per minute. The proposed point of diversion is located as follows:

In the Southeast Quarter of the Northwest Quarter of the Northeast Quarter of Section 26, in Township 10 South, Range 8 East, Riley County, Kansas.

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

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

Sincerely,


Douglas W. Schemm
Environmental Scientist
Topeka Field Office

Enclosure

pc: John & Barbara Taylor
Allen Friedrichs


Kansas
Department of Agriculture
Division of Water Resources

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

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

Phone: (785) 296-5733
Fax: (785) 296-8298
www.agriculture.ks.gov
Sam Brownback, Governor

November 8, 2017

ROGER SEYMOUR (I-70 PROPERTIES)
314-F TUTTLE CREEK PLACE
MANHATTAN KS 66502

Re: Pending New Application, File No. 49,896

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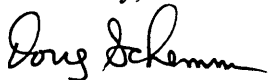
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November 8, 2017

DARRELL G SCHROLL TRUST
3181 ZEANDALE ROAD
MANHATTAN KS 66502

Re: Pending New Application, File No. 49,896

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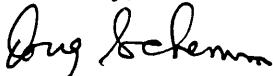
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Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

Enclosure

pc: John & Barbara Taylor
Allen Friedrichs

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

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

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Muscotah silty clay</u>	<u>98.5</u>	<u>0 - 0.06</u>	<u> </u>
<u>Chase silty clay</u>	<u>1.5</u>	<u>0.06 - 0.20</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total:	100 %		

b. Estimate the average land slope in the field(s): 0 - 1 %

Estimate the maximum land slope in the field(s): 1 - 2 %

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

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

Other, please describe: Border containment with intermediate levees and spills.

d. System design features:

i. Describe how you will control tailwater: Tailwater from the fields will be directed to the drainage ditch currently in place at the borders of the area of use.

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: _____ psi
- (2) What is the sprinkler package design rate? _____ gpm
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet
- (4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: The primary crop being irrigated is rice. Soybeans are planted as a rotation crop every third year and would not be irrigated except under very dry conditions.

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). Flush field if insufficient rainfall for germination. Maintain permanent flood for 3 months at a depth of 2-3 inches standing water. Pump additional water when the level drops.

WATER RESOURCES RECEIVED

AUG 30 2017

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

KS DEPT OF AGRICULTURE

Names and Addresses of well owners in 1/2 mile radius.

Darrell Parks
1001 E. 26th Ave.
Manhattan, KS 66502

Roger Seymour (I-70 Properties)
314-F Tuttle Creek PL
Manhattan, KS 66502

John Taylor
2860 Zeandale Rd. - Applicant
Manhattan, KS 66502

~~Janet Crocker (Leroy Miller - deceased)
1048 Brianna CT
Manhattan, KS 66503~~ > 1/2 mile away

DARRELL G. SCHROLL TRUST
3181 ZEANDALE RD
MANHATTAN, KS 66502-9383

WATER RESOURCES
RECEIVED

AUG 30 2017

KS DEPT OF AGRICULTURE

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

(Date)

Re: Application
 File No. 49,896

Minimum Desirable Streamflow
 KANSAS _____ River Assurance District
 Water Reservation Rights

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established, an Assurance District has been formed and established or a Water Reservation Right is held by the Kansas Water Office (**circle the appropriate item**) for the source of supply to which the above referenced application applies, namely the KANSAS RIVER

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, Assurance District or Water Marketing releases are being made from storage in Federal Reservoirs or when a Reservation Right upstream of a Federal Reservoir is being administered.

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.

John H. Taylor
 Signature of Applicant

John H. Taylor
 Print Applicant Name

State of Kansas)
) SS
 County of Riley)

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



Alison Henle
 Notary Public
 WATER RESOURCES RECEIVED

My Commission Expires: 12/15/2020

AUG 30 2017

KS DEPT OF AGRICULTURE

**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

Assurance Districts have been formed on the following rivers:

Kansas River Marias des Cygnes River Neosho River

The Kansas Water Office has Water Reservation Rights for the following reservoirs:

Big Hill Marion
Clinton Melvern
Council Grove Milford
Elk City Perry
Hillsdale Pomona
John Redmond Tuttle Creek

**WATER RESOURCES
RECEIVED**

AUG 30 2017

KS DEPT OF AGRICULTURE



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

August 30, 2017

JOHN H & BARBARA D TAYLOR
2860 ZEANDALE RD
MANHATTAN KS 66502

FILE COPY

RE: Application
File No. 49896

Dear Sir or Madam:

Your application for permit to appropriate water in 26-10S-8E in Riley County, was received and has been assigned the file number noted above.

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

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

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

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

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

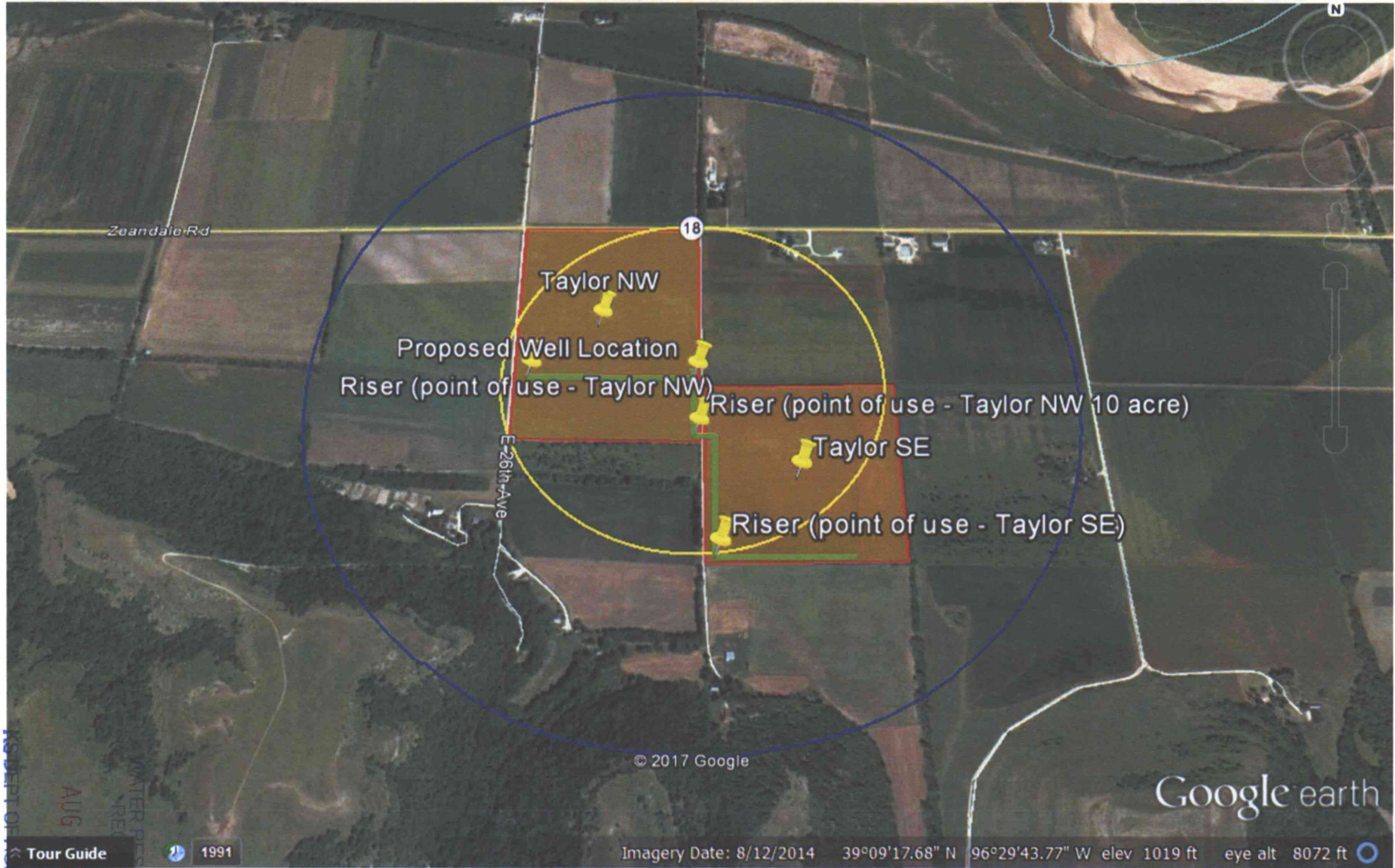
If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

Proposed well location with point of use risers. Well located approximately 1260 ft. south from Hwy. 18 and 1230 ft. east of E. 26th Ave.

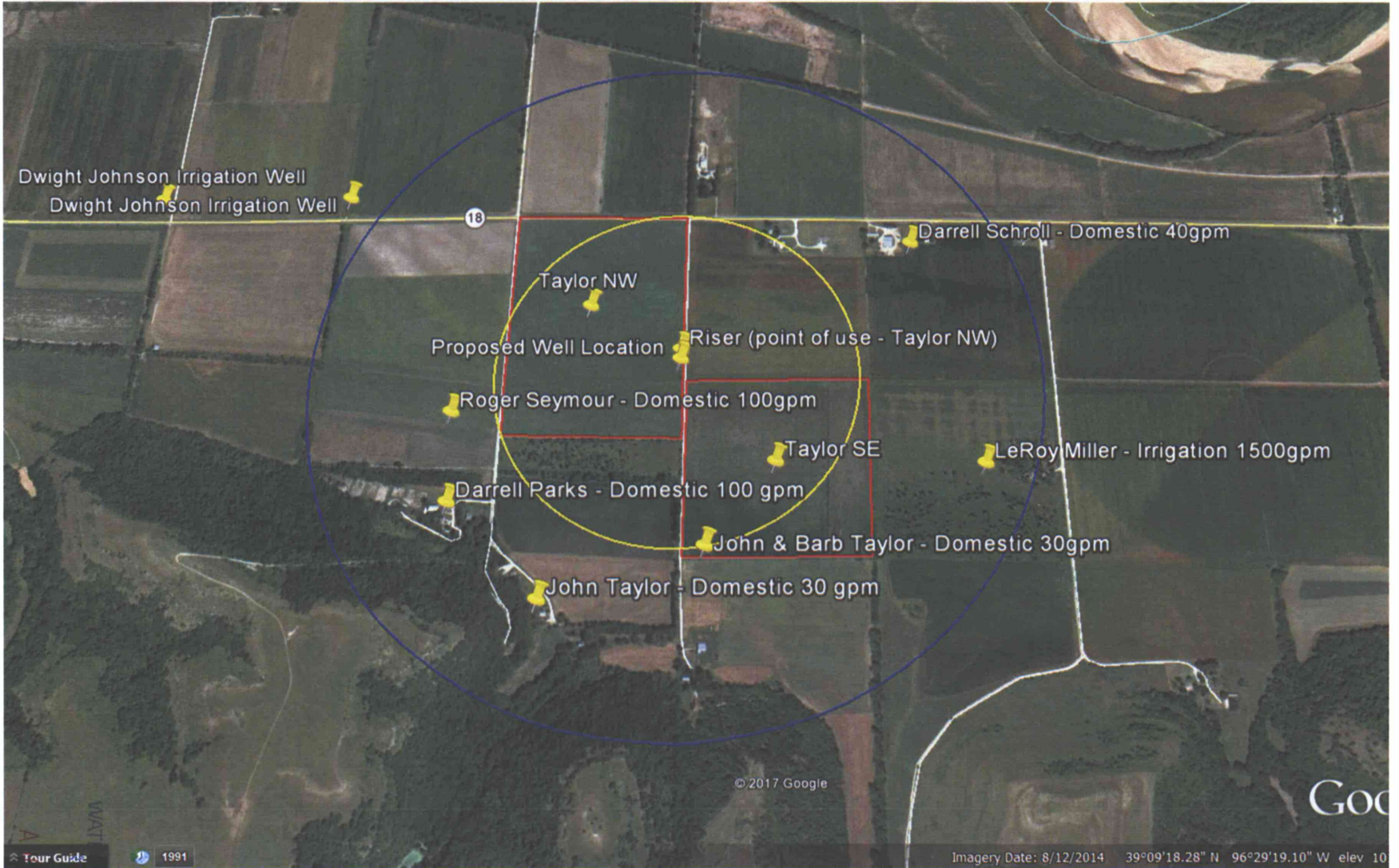


SCANNED

WATER RESOURCES
DIVISION
AUG 2017
DEPARTMENT OF AGRICULTURE

49,896

Proposed well location with ¼ and ½ mile radius. Surrounding wells located using KGS Water wells map.



SCANNED

KS DEPT OF AGRICULTURE

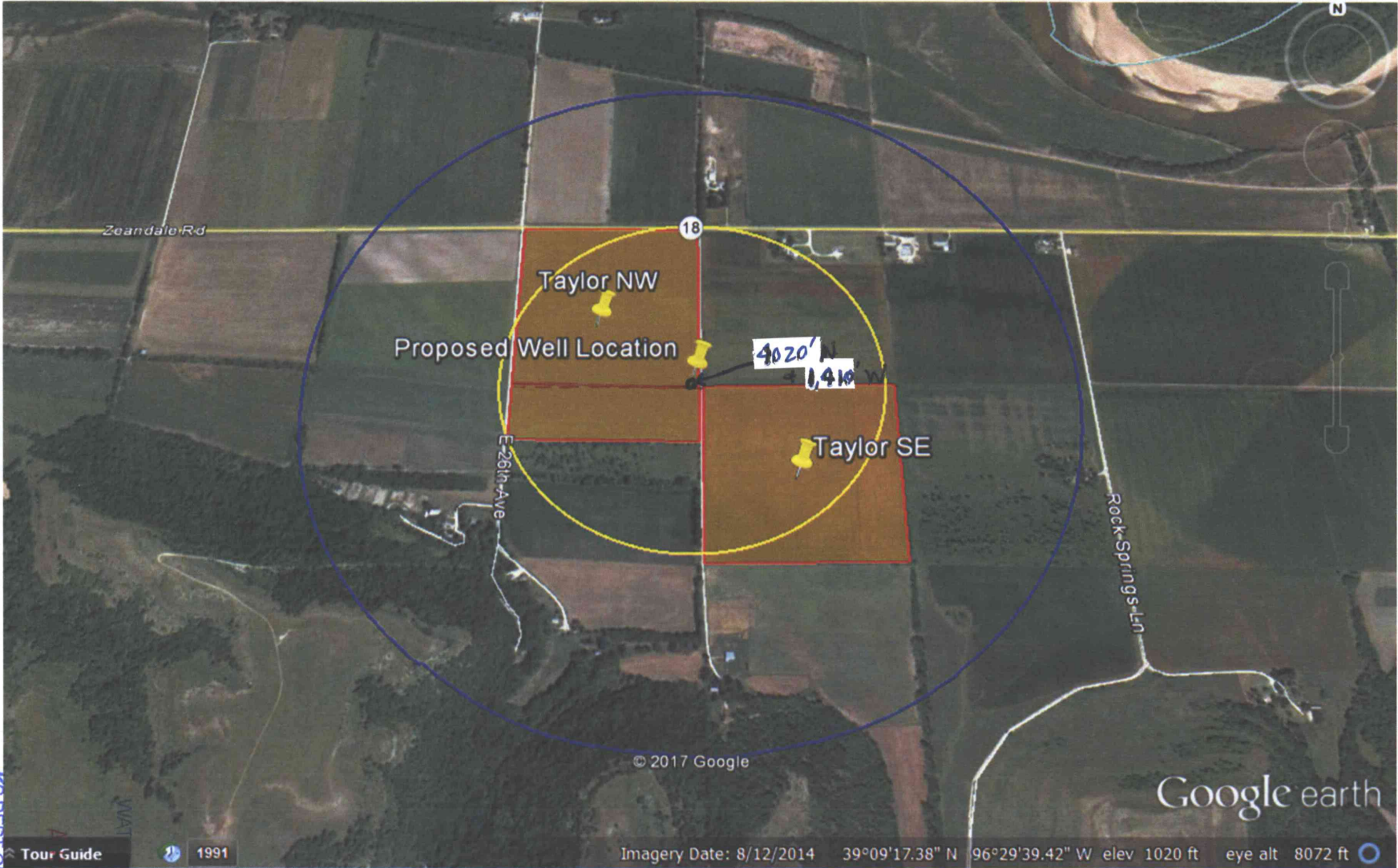
3 0 2017

RESOURCES
RECEIVED

49,896

49,896

Proposed well location with place of use. Well located approximately 1260 ft. south from Hwy. 18 and 1230 ft. east of E. 26th Ave.



KS DEPT OF AGRICULTURE

Tour Guide

3 0 2017

RESOURCES RECEIVED

SCANNED

49,896

JOHN & BARBARA TAYLOR - SITE MAP
SEC. 26, T10S, R8E
RILEY COUNTY

1:12,000



Proposed Well Location
4,020' N & 1,410' W

Southeast Corner of Section 26
Township 10 South
Range 8 East



 - Proposed Place of use

 Proposed Point of Diversion