

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

1. File Number: <p style="text-align: center;">49,900</p>	2. Status Change Date: <p style="text-align: center;">5/30/2019</p>	3. Field Office: <p style="text-align: center;">02</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 **53552**
New to system Add Seq# _____

THOMAS C SNELL
509 W 6TH ST
ELLINWOOD KS 67526

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

7b. Landowner(s) Person ID **53551**
New to system Add Seq# _____

JOLENE K GATTON SNELL TRUST
509 W 6TH ST
ELLINWOOD KS 67526

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: **12/31/2020** 11. Perfection Date: **12/31/2024** 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: **12/31/2020** Date WLMD Installed: _____

Date Prepared: **5/1/19** By: **MJM**
Date Entered: **6/4/2019** By: **UM**

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

MEMORANDUM

TO: Files

DATE: May 1, 2019

FROM: Matt Meier

RE: Application, File No. 49,900

Thomas Snell has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 224 acre-feet (54.6 acre-feet of which will be additional), and a diversion rate of 800 gallons per minute (240 gallons per minute additional). The geo-center of the well battery is to be located in the Northwest Quarter of the Northwest Quarter of the Northwest Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section 9, more particularly described as being near a point 4,831 feet North and 5,078 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, within the Cow River drainage basin. Water Right, File No. 45,835 overlaps the proposed place of use and point of diversion. A place of use change has been filed for Water Right, File No. 45,835 which is being processed separately. The proposed place of use is owned the Jolene K Gatton-Snell 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. 43,570) is located over 5,251 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. 45,835 (which the application overlaps), shows topsoil from 0 to 2 feet, hard clay from 2 to 11 feet, brown clay from 16 to 19 feet, sandy clay/fine sand from 19 to 71 feet, clay from 71 to 84 feet, sandy clay/fine sand from 84 to 90 feet, brown clay with sandrock streaks from 90 to 105 feet, sandrock from 105 to 123 feet, and blue shale from 123 to 124 feet below ground. The static water level was listed at 12 feet, the screened interval runs from 44 to 124 feet, and saturated thickness would be around 111 feet. The aquifer was previously identified as Kiowa formation. *Quaternary + confined Dakota*

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 717.1 acre-feet, providing a difference of 137.41 acre-feet available for appropriation, and the application requesting 224 (Only 54.6 of which is additional and counts towards safe yield) acre-feet complies with safe yield.

The requested quantity of water, 224 acre-feet (54.6 add), is to irrigate the proposed 160 acres identified in the application. When combined with Water Right, File No. 45835, the combined quantity authorized on the proposed place of use is 224 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 April 30, 2019. 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

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



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

Mike Beam, Secretary

Laura Kelly, Governor

June 7, 2019

THOMAS C SNELL
509 W 6TH ST
ELLINWOOD KS 67526

FILE COPY

RE: Application, File No. 49,900

Dear Mr. Snell:

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

KAB:MJM:li

Enclosures

pc: Stafford Field Office

THE STATE  OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, 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. **49,900** of the applicant

THOMAS C SNELL
509 W 6TH ST
ELLINWOOD KS 67526

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 **September 5, 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	
9	20S	10W					40	40	40	40									160

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 Northwest Quarter of the Northwest Quarter (NW¼ NW¼ NW¼) of Section 9, more particularly described as being near a point 4,831 feet North and 5,078 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 **224 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, 2020** 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, 2024** 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.

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.

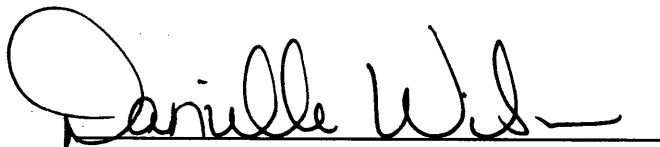
CERTIFICATE OF SERVICE

On this 7th day of June, 2019, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,900, dated May 30th, 2019 was mailed postage prepaid, first class, US mail to the following:

THOMAS C SNELL
509 W 6TH ST
ELLINWOOD KS 67526

With photocopies to:

Stafford Field Office



Division of Water Resources

SEP 05 2017

1:30

KS DEPT OF AGRICULTURE

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES David W. Barfield, Chief Engineer

File Number 49900

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

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application (Please refer to Fee Schedule attached to this application form.)

5-24-19 APPLICATION COMPLETE 9/5/17 Reviewer MTM/SFFO

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

1. Name of Applicant (Please Print): Thomas C Snell Address: 509 W 6th St City: Ellinwood State KS Zip Code 67526 Telephone Number: (620) 564-3312

2. The source of water is: [] surface water (stream) OR [x] groundwater in Cow Creek (drainage basin)

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

54.6 AF Additional Quantity

3. The maximum quantity of water desired is 224 acre-feet OR gallons per calendar year, to be diverted at a maximum rate of 500 (limited) gallons per minute OR cubic feet per second.

*GAT/SFFO 8/31/17 JCB 8-31-17

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) [x] Irrigation (c) [] Recreational (d) [] Water Power (e) [] Industrial (f) [] Municipal (g) [] Stockwatering (h) [] Sediment Control (i) [] Domestic (j) [] Dewatering (k) [] Hydraulic Dredging (l) [] Fire Protection (m) [] Thermal Exchange (n) [] Contamination Remediation

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

For Office Use Only: F.O. 2 GMD Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County RC By KAB Date 9-5-17 Code RES Fee \$ 300 TR # Receipt Date 9/5/17 Check # 8030

SCANNED

9/8/2017 UCM

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.

Note: Geographic Center of a battery of four (4) wells in the NW NW NW Sec. 9 T20S R10W-4831 ft N, 5078 ft W (DWR ID 9)

- (A) One in the NW quarter of the NW quarter of the NW quarter of Section 9, more particularly described as being near a point 4843 feet North and 5147 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, Kansas. (DWR ID #10) *Bat 1 of 4*
- (B) One in the NW quarter of the NW quarter of the NW quarter of Section 9, more particularly described as being near a point 5120 feet North and 5159 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, Kansas. (DWR ID #11) *Bat 2 of 4*
- (C) One in the NW quarter of the NW quarter of the NW quarter of Section 9, more particularly described as being near a point 4839 feet North and 4851 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, Kansas. (DWR ID#13) *Bat 3 of 4*
- (D) One in the SW quarter of the NW quarter of the NW quarter of Section 9, more particularly described as being near a point 4523 feet North and 5153 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, Kansas. (DWR ID #14) *Bat 4 of 4*

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):

Jolene K Gatton-Snell Trust, 509 W 6th St, Ellinwood KS 67526
(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 8-31, 2017. x Jolene K Gatton-Snell
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner.
Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of Battery of four (4) wells
(number of wells, pumps or dams, etc.)

and was completed on 8/27/07
(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 WATER RESOURCES RECEIVED

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 NA

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

Overlaps point of diversion and place of use with Water Right, File No. 45835. A change in place of use
application will be submitted for Water Right, File No. 45835 to form a complete overlap with the new
application.

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SEP 05 2017
**KS DEPT OF AGRICULTURE
SCANNED**

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	_____	_____	_____	_____
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 Husband
(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):
Jolene K Gatton-Snell Trust, 509 W 6th St, Ellinwood KS 67526
(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 Stafford, Kansas, this 31st day of Aug., 2017
(month) (year)

Jolene K Gatton-Snell
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by Tyler Saryerwinnie SFFO/ES Date: 8/2/2017
(office/title)

WATER RESOURCES
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SEP 05 2017
KS DEPT OF AGRICULTURE
SCANNED

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 499.00

Name of Applicant (Please Print): Thomas C Snell

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: Jolene K Gatton-Snell Trust

ADDRESS: 509 W 6th St, Ellinwood KS 67526

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9	20S	10W					40	40	40	40									160

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**

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

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

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

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

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

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

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

Other, please describe: sub surface drip

d. System design features:

i. Describe how you will control tailwater: by not having any / using appropriate rates application

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:

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).

crop consultant
soil probes

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

EF/SFFD
8/31/17

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

4831 ft N and 5078 ft W of the SE Corner of Section 9, T 20S, R 10W

Located at: 98.441818 West Longitude and 38.331747 North Latitude

GROUNDWATER ONLY

*#49,900
meet
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__ 43570	00	IRR	NK	G	5251	--	SW	NE	SE	1418	1088	9	20	10W	1	G	4	195.00	195.00	AF
Same					5443	--	NW	SE	SE	1170	1050	9	20	10W	2	B	4			
Same					5234	--	SW	NE	SE	1430	1100	9	20	10W	3	B	4			
Same					5152	--	SW	NE	SE	1350	1280	9	20	10W	4	B	4			
Same					5193	--	SW	NE	SE	1720	920	9	20	10W	5	B	4			
A__ 43781	00	IRR	NK	G	7191	--	NE	NW	NW	5109	4309	5	20	10W	2	G	4	166.50	166.50	AF
Same					7008	--	NW	NE	NW	5114	4008	5	20	10W	3	B	4			
Same					7131	--	NE	NW	NW	5110	4212	5	20	10W	4	B	4			
Same					7253	--	NE	NW	NW	5106	4410	5	20	10W	5	B	4			
Same					7381	--	NE	NW	NW	5106	4607	5	20	10W	6	B	4			
A__ 45835	00	IRR	NK	G*	0	--	NW	NW	NW	4831	5078	9	20	10W	9	G	4	169.40	169.40	AF
Same					70	--	NW	NW	NW	4843	5147	9	20	10W	10	B	4			
Same					300	--	NW	NW	NW	5120	5159	9	20	10W	11	B	4			
Same					227	--	NW	NW	NW	4839	4851	9	20	10W	13	B	4			
Same					317	--	SW	NW	NW	4523	5153	9	20	10W	14	B	4			
A__ 46878	00	IRR	NK	G	6281	--	NW	NE	NW	5155	3531	17	20	10W	1	G	4	92.40	92.40	AF
Same					6207	--	NW	NE	NW	5236	3515	17	20	10W	2	B	4			
Same					6359	--	NW	NE	NW	5214	3736	17	20	10W	3	B	4			
Same					6103	--	NW	NE	NW	5236	3340	17	20	10W	4	B	4			
Same					6462	--	NW	NE	NW	4934	3535	17	20	10W	5	B	4			
A__ 49843	00	IRR	GY	G	6281	--	NW	NE	NW	5155	3531	17	20	10W	1	G	4	186.20	93.80	AF
Same					6207	--	NW	NE	NW	5236	3515	17	20	10W	2	B	4			
Same					6359	--	NW	NE	NW	5214	3736	17	20	10W	3	B	4			
Same					6103	--	NW	NE	NW	5236	3340	17	20	10W	4	B	4			
Same					6462	--	NW	NE	NW	4934	3535	17	20	10W	5	B	4			
A__ 49900	00	IRR	AY	G	0	--	NW	NW	NW	4831	5078	9	20	10W	9	G	4	224.00	54.60	AF
Same					70	--	NW	NW	NW	4843	5147	9	20	10W	10	B	4			
Same					300	--	NW	NW	NW	5120	5159	9	20	10W	11	B	4			
Same					227	--	NW	NW	NW	4839	4851	9	20	10W	13	B	4			
Same					317	--	SW	NW	NW	4523	5153	9	20	10W	14	B	4			

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	54.60	.00
Total Permitted Amount (AF) =	93.80	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	623.30	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	771.70	.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:

98.441818 West Longitude and 38.331747 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__ 43781 00 IRR NK G
> CROSS REACH FARMS LP
>
> 211 E 2ND ST
> ELLINWOOD KS 67526
>-----

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 GY 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
>-----
=====

Draft

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

M E M O R A N D U M

TO: Files

DATE: April 24, 2019

FROM: Matt Meier

RE: Application, File No. 49,900

Thomas Snell has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 224 acre-feet (54.6 acre-feet of which will be additional), and a diversion rate of 800 gallons per minute (240 gallons per minute additional). The geo-center of the well battery is to be located in the Northwest Quarter of the Northwest Quarter of the Northwest Quarter (NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$) of Section 9, more particularly described as being near a point 4,831 feet North and 5,078 feet West of the Southeast corner of said section, in Township 20 South, Range 10 West, Rice County, within the Cow River drainage basin. Water Right, File No. 45,835 overlaps the proposed place of use and point of diversion. A place of use change has been filed for Water Right, File No. 45,835 which is being processed separately. The proposed place of use is owned the Jolene K Gatton-Snell 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. 43,570) is located over 5,251 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. 45,835 (which the application overlaps), shows topsoil from 0 to 2 feet, hard clay from 2 to 11 feet, brown clay from 16 to 19 feet, sandy clay/fine sand from 19 to 71 feet, clay from 71 to 84 feet, sandy clay/fine sand from 84 to 90 feet, brown clay with sandrock streaks from 90 to 105 feet, sandrock from 105 to 123 feet, and blue shale from 123 to 124 feet below ground. The static water level was listed at 12 feet, the screened interval runs from 44 to 124 feet, and saturated thickness would be around 111 feet. The aquifer was previously identified as Kiowa formation.

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 717.1 acre-feet, providing a difference of 137.41 acre-feet available for appropriation, and the application requesting 224 (Only 54.6 of which is additional and counts towards safe yield) acre-feet complies with safe yield.

The requested quantity of water, 224 acre-feet (54.6 add), is to irrigate the proposed 160 acres identified in the application. When combined with Water Right, File No. 45835, the combined quantity authorized on the proposed place of use is 224 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

*4/30/19
Concur w/ Matt Recommendation
Approve it. JR W.C.*

49900

Well #1- Middle well

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1 LOCATION OF WATER WELL: Fraction NW 1/4 NW 1/4 NW 1/4 Section Number 9 Township Number T 20 S Range Number R 10 EW

Distance and direction from nearest town or city street address of well if located within city? 1 West, 3 1/2 North of Raymond

2 WATER WELL OWNER: Tom Snell RR#, St. Address, Box #: 509 W. 6th City, State, ZIP Code: Ellinwood, Ks. 67526 Board of Agriculture, Division of Water Resources Application Number: 43,812 45835

3 LOCATE WELL'S LOCATION WITH AN 'X' IN SECTION BOX: [Diagram showing a 3x3 grid with 'X' in the NW quadrant] 4 DEPTH OF COMPLETED WELL: 124 ft. ELEVATION: 12 ft. below land surface measured on 1-22-04

5 TYPE OF BLANK CASING USED: 1 Steel, 2 PVC, 3 RMP (SR), 4 ABS, 5 Wrought iron, 6 Asbestos-Cement, 7 Fiberglass, 8 Concrete tile, 9 Other (specify below), 10 Asbestos-Cement, 11 Other (Specify), 12 None used (open hole)

6 GROUT MATERIAL: 1 Neat cement, 2 Cement grout, 3 Bentonite, 4 Other hole plug Grout Intervals: From 20 ft. to 0 ft.

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, PLUGGING INTERVALS. Rows include soil types like Top soil, Hard clay, Sandy clay, Sandrock, and Blue shale.

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 8-31-04 RECEIVED. This Water Well Record was completed on 9-3-04 by (signature) Sara Albee

WATER RESOURCES RECEIVED SEP 05 2017 KS DEPT OF AGRICULTURE RECEIVED

COPY KS DEPT OF AGRICULTURE

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 785-295-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Kansas Department of Agriculture

SCANNED MICROFILMED middle well

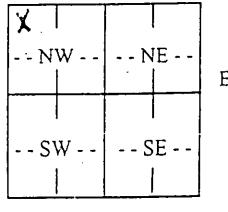
WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: <u>Rice</u>	Fraction NW ¼ NW ¼ NW ¼	Section Number <u>9</u>	Township Number T <u>20</u> S	Range Number R <u>10</u> <input checked="" type="checkbox"/> W
Distance and direction from nearest town or city street address of well if located within city? <u>1 West, 8 3½ North of Raymond</u>		Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: _____ Longitude: _____ Elevation: _____ Datum: _____ Data Collection Method: _____		
2 WATER WELL OWNER: <u>Jolene Snell</u> RR#, St. Address, Box # : <u>509 W. 6th St</u> City, State, ZIP Code : <u>Ellinwood, Ks. 67526</u>				

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: N E S	4 DEPTH OF COMPLETED WELL <u>125</u> ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL..... <u>17</u> ft. below land surface measured on mo/day/yr... <u>8-18-07</u> ... Pump test data: Well water was..... <u>55</u> ft. after..... <u>2</u> hours pumping..... <u>160</u> gpm Est. Yield. <u>160</u> ..gpm: Well water was..... ft. after..... hours pumping..... gpm 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 <u>Irrigation</u> 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes No <input checked="" type="checkbox"/>; If yes, mo/day/ys Sample was submitted..... Water well disinfected? Yes <u>HTH</u> No
--	---



5 TYPE OF CASING USED: 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) 2 <u>PVC</u> 4 ABS 7 Fiberglass	5 Wrought Iron 8 Concrete tile 6 Asbestos-Cement 9 Other (specify below) 7 Fiberglass	CASING JOINTS: Glued... <input checked="" type="checkbox"/> ... Clamped..... Welded..... Threaded.....
Blank casing diameter <u>12</u> in. to <u>45</u> ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface..... <u>18</u> in., Weight <u>Sch 40</u> lbs./ft. Wall thickness or guage No.		
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 7 <u>PVC</u> 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 <u>Saw Cut</u> 10 Other (specify)		
SCREEN-PERFORATED INTERVALS: From..... <u>125</u> ft. to <u>45</u> ft., From ft. to ft. From ft. to ft., From ft. to ft.		
GRAVEL PACK INTERVALS: From..... <u>125</u> ft. to <u>20</u> 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 <u>hole plug</u>	Grout Intervals: From ft. to ft., From ft. to ft., From <u>20</u> ft. to <u>0</u> 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 ..None.....	
Direction from well? How many feet?	

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Top soil	103	123	sandrock WATER RESOURCES
2	12	Hard clay	123	125	Blue xxx shale RECEIVED
12	19	Sandy clay/ fine sand			
19	35	Sandy clay with clay balls			
35	46	Sandy clay with fine sand			
46	72	Fine sand & sandy clay			
72	84	Clay			
84	86	Sandy clay & fine sand			
86	91	Sandy clay/fine sand/ clay			
91	103	Brown clay with sandrock streaks			

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) ... 8-27-07 ... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. ... 134 This Water Well Record was completed on (mo/day/year) ... 9-21-07 under the business name of Rosencrantz- Bemis 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, 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. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

49900

Well #3- East well

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Rice	NW ¼ NW ¼ NW ¼	9	T 20 S	R 10 E/W

Distance and direction from nearest town or city street address of well if located within city?

1 West, 3½ North of Raymond

2 WATER WELL OWNER: Tom Snell
 RR#, St. Address, Box # : 509 W. 6th
 City, State, ZIP Code : ~~XXXXXX~~ Ellinwood, Ks. 67526
 Board of Agriculture, Division of Water Resources
 Application Number: 43-812 45835

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N			
X			
-NW-		-NE-	
W			E
-SW-		-SE-	
S			

4 DEPTH OF COMPLETED WELL ... 125 ... ft. ELEVATION: ...

Depth(s) Groundwater Encountered 1 ft. 2 ft. 3 ft.
 WELL'S STATIC WATER LEVEL 14 ft. below land surface measured on mo/day/yr 8-3-04
 Pump test data: Well water was 8.0 ft. after 3.4 hours pumping 130/130 gpm
 Est. Yield (130/130) gpm: Well water was 8.0 ft. after 3.4 hours pumping 130 gpm
 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 Domestic (lawn & garden) 10 Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes No ; If yes, mo/day/yrs sample was submitted
 Water Well Disinfected? Yes HTH No

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued <input checked="" type="checkbox"/> Clamped
2 PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded
		7 Fiberglass		Threaded

Blank casing diameter 12 in. to 45 ft., Dia in. to ft., Dia in. to ft.
 Casing height above land surface 24 in., weight SDR 26 lbs./ft. Wall thickness or gauge No.
 TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless Steel	5 Fiberglass	7 PVC	10 Asbestos-Cement
2 Brass	4 Galvanized Steel	6 Concrete tile	8 RMP (SR)	11 Other (Specify)
			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)	ft.

SCREEN-PERFORATED INTERVALS: From 125 ft. to 45 ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From 125 ft. to 20 ft., From ft. to ft.

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

Grout intervals: From 20 ft. to 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	None

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Sandy top soil			
2	4	Sandy gray clay			
4	14½	Fine sand/ clay streaks			
14½	27	Sandy tan & gray clay			
27	59	Fine sand			
59	64	Tan clay			
64	67	Fine sand			
67	73	Tan & gray clay			
73	87	Sandy, rusty, tan clay/ caliche			
87	103	Sandy tan & white clay with streaks of XXXX sandstone			
103	115	Soft dark brown sandstone, streaks of ironated sandstone			
115	117	Gray shale			
117	122½	Sandstone, soft dark brown streaks of ironated sandstone			
122½	125	Dark blue gray shale			

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) 8-31-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 134 This Water Well Record was completed on (mo/day/yr) 9-3-04 under the business name of Rosencrantz, Bemis by (signature) *Tom Snell*

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.

Division of Water Resources Kansas Department of Agriculture

SCANNED MICROFILMED

49900

Well #4- North well

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: <u>Rice</u>	<u>NW 1/4 NW 1/4 NW 1/4</u>	<u>9</u>	<u>T 20 S</u>	<u>R 10 E/W</u>

Distance and direction from nearest town or city street address of well if located within city?
1 West, 3 1/2 North of Raymond

2 WATER WELL OWNER: Tom Snell
 RR#, St. Address, Box # : 509 W. 6th
 City, State, ZIP Code : Ellinwood, Ks. 67526
 Board of Agriculture, Division of Water Resources
 Application Number: 43,812 45835

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N			
X			
- - NW - -	- - NE - -		
W			E
- - SW - -	- - SE - -		
S			

4 DEPTH OF COMPLETED WELL 125 ft. ELEVATION:

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

WELL'S STATIC WATER LEVEL 14 ft. below land surface measured on mo/day/yr 8-3-04 ft.

Pump test data: Well water was 82 ft. after 3 hours pumping 140 gpm

Est. Yield 140 gpm: Well water was 91 ft. after 4 hours pumping 165 gpm

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 Domestic (lawn & garden) 10 Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes No XX; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes HTH No

5 TYPE OF BLANK CASING USED:

1 Steel	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued <u>X</u> Clamped
2 <u>PVC</u>	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded
		7 Fiberglass		Threaded

Blank casing diameter 12 in. to 4.5 ft., Dia in. to ft., Dia in. to ft.

Casing height above land surface 24 in., weight SDR 26 lbs./ft. Wall thickness or gauge No.

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	3 Stainless Steel	5 Fiberglass	7 <u>PVC</u>	10 Asbestos-Cement
2 Brass	4 Galvanized Steel	6 Concrete tile	8 <u>RMP (SR)</u>	11 Other (Specify)
			9 ABS	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

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

SCREEN-PERFORATED INTERVALS: From 125 ft. to 4.5 ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 125 ft. to 20 ft., From ft. to ft.

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

Grout Intervals: From 20 ft. to 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	<u>None</u>

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	2	Sandy top soil			
2	4	Sandy gray clay			
4	14 1/2	Fine sandy clay streaks			
14 1/2	27	Sandy tan & gray clay			
27	59	Fine sand			
59	64	Tan clay			
64	67	Fine sand			
67	73	Tan & gray clay			
73	87	Sandy, rusty, tan clay/ caliche			
87	103	Sandy tan & white clay with streaks of sandstone			
103	115	Soft dark brown sandstone, streaks of ironated sandstone			
115	117	Gray shale			
117	122 1/2	Sandstone, soft dark brown streaks of ironated sandstone			
122 1/2	125	Dark blue gray shale			

WATER RESOURCES RECEIVED
 SEP 05 2017
 KS DEPT OF AGRICULTURE
 WATER RESOURCES RECEIVED
 COPY
 JUN 1 2005

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) 8-31-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 134 This Water Well Record was completed on (mo/day/yr) 9-3-04 under the business name of Rosencrantz- Bemis by (signature) Yona Albe

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.

SCANNED
 MICROFILMED
 Northwell



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

September 6, 2017

THOMAS C SNELL
509 W 6TH ST
ELLINWOOD KS 67526

FILE COPY

RE: Application
File No. 49900

Dear Sir or Madam:

Your application for permit to appropriate water in 9-20S-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,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: STAFFORD Field Office
GMD

SCANNED

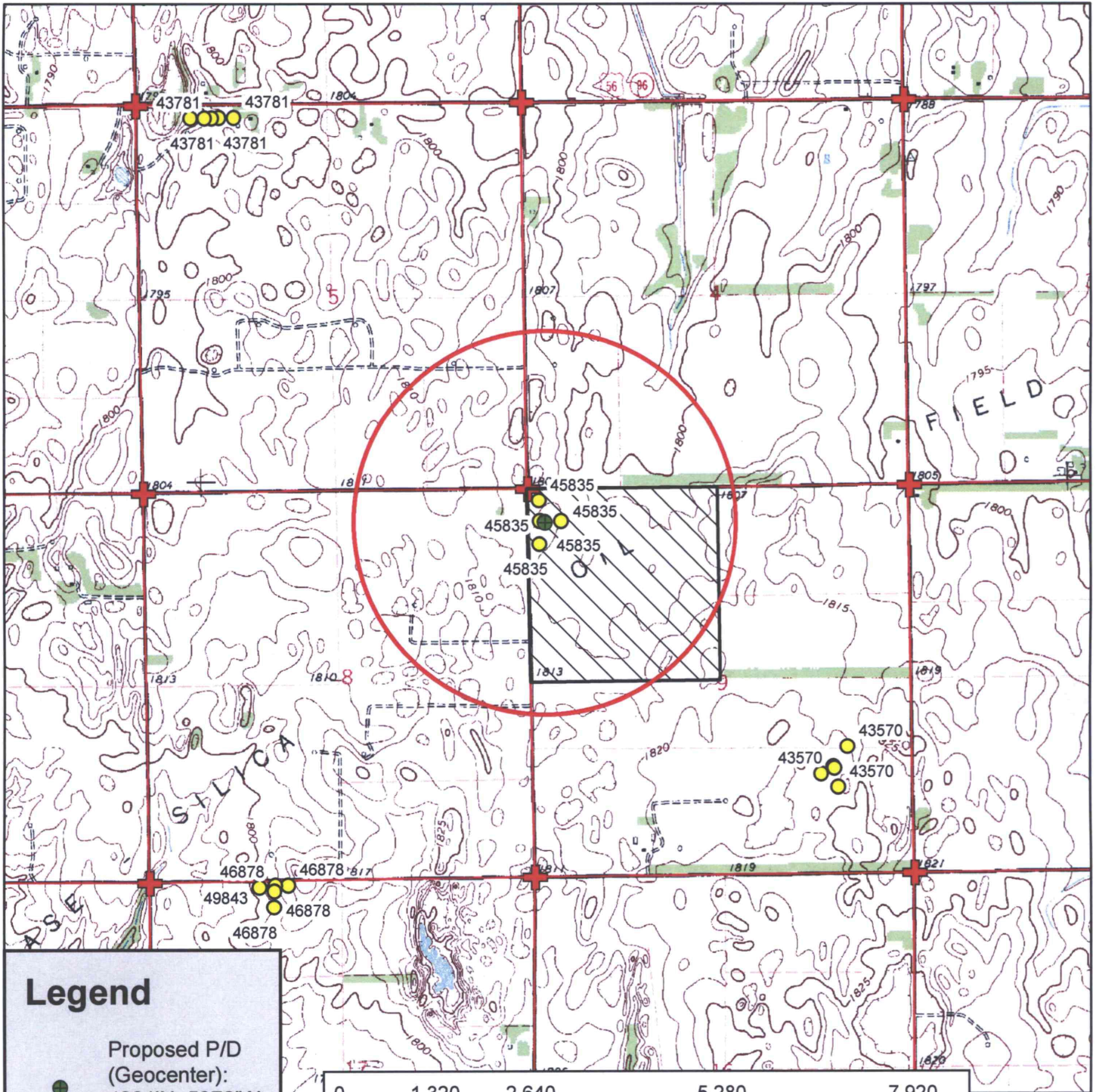
File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 49900 00	IRR	AY	G	NW	NW	NW	NW	4831	5078	09	20	10W	9	WR	224.00	54.60	160.00	0.00
Same	IRR	AY	G	NW	NW	NW	NW	4843	5147	09	20	10W	10	WR				
Same	IRR	AY	G	NW	NW	NW	NW	5120	5159	09	20	10W	11	WR				
Same	IRR	AY	G	NW	NW	NW	NW	4839	4851	09	20	10W	13	WR				
Same	IRR	AY	G	SW	NW	NW	NW	4523	5153	09	20	10W	14	WR				

Limitations







File Number Seq Num Limitations

A 49843 00 1 186.2 AF/YR @ 800 GPM COM/W #46878

49900



Legend

-  Proposed P/D (Geocenter): 4831'N, 5078'W
-  Water Appropriations
-  Section Corner
-  Section Line
-  Domestic Well
-  1/2 Mile Buffer



Water Appropriation, File No. _____

WATER RESOURCES RECEIVED

Application Map

9-20S-10W // Rice County

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 shown.

SEP 05 2017



KS DEPT OF AGRICULTURE

x *John K. Gattensbury* 8-31-17

Signature

8/2/2017 TJS-SFFO 1:24,000 scale

SCANNED

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.

Total prior appropriations in the circle is 771.70 AF.

Total quantity of water available for appropriation is 82.81 AF.

#49,900
meets S.Y.

-717.1 = 137.41 AF
-54.6 = 717.1

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 24-APR-2019 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 6 water rights and 20 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 43781 00	IRR	NK	G	NE	NW	NW	5109	4309	05	20	10W	2	WR		166.50	166.50	111.00	111.00
Same	IRR	NK	G	NW	NE	NW	5114	4008	05	20	10W	3	WR					
Same	IRR	NK	G	NE	NW	NW	5110	4212	05	20	10W	4	WR					
Same	IRR	NK	G	NE	NW	NW	5106	4410	05	20	10W	5	WR					
Same	IRR	NK	G	NE	NW	NW	5106	4607	05	20	10W	6	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	133.00	133.00
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	GY	G	NW	NE	NW	5155	3531	17	20	10W	1	WR		186.20	93.80	133.00	0.00
Same	IRR	GY	G	NW	NE	NW	5236	3515	17	20	10W	2	WR					
Same	IRR	GY	G	NW	NE	NW	5214	3736	17	20	10W	3	WR					
Same	IRR	GY	G	NW	NE	NW	5236	3340	17	20	10W	4	WR					
Same	IRR	GY	G	NW	NE	NW	4934	3535	17	20	10W	5	WR					

717.1 AF approved