

File No. **49,286** 15. Formation Code: 100 Drainage Basin: **Arkansas River (Lower Ark)** County: **SG** Special Use: Stream:

16. Points of Diversion

MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	W

Battery # 1978

17. Rate and Quantity

Authorized		Additional		
Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
800	187.2	800	187.2	None

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? Yes No To be installed by **12/31/2017** Date Acceptable Meter Installed _____

21. Place of Use

MOD	DEL	ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files
								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				
✓			66698	24	28S	2W	2																				N

Comments:

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: July 15, 2016

FROM: Matt Meier

RE: Application, File No. 49,286

Dennis Woods has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 187.2 acre-feet, and a diversion rate of 800 gallons per minute. The Geo-Center is to be located in the Southeast Quarter of the Northwest Quarter of the Southeast Quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section 24, more particularly described as being near a point 1,425 feet North and 1,760 feet West of the Southeast corner of said section, in Township 28 South, Range 2 West, Sedgwick County, within the Arkansas River drainage basin. There are no other water rights overlapping the proposed place of use or point of diversion. The proposed place of use is owned by the Dennis Woods Trust. The applicant has signed the application form stating that he has legal access to the point of diversion.

In 2004 the United States Geological Survey (USGS) completed a hydrologic model of a portion of the Arkansas River and associated drainage basins (Ninnescah River), generally bounded by Ranges 2 West to 3 East and Townships 26 South to 34 South (near state line). The USGS model indicated that the aquifer in this area receives more recharge from precipitation than DWR has historically used in safe yield calculations. The data and analyses are detailed in the USGS Scientific Investigations Report 2004-5204 entitled "Characterization and Simulation of Flow in the Lower Arkansas River Alluvial Aquifer, South-Central Kansas". In order to evaluate the potential impact of this study on our safe yield calculations, DWR suspended processing applications for new appropriations of water in the model area.

DWR recently completed an evaluation of the USGS model and has determined that the precipitation recharge value of 5.4 inches per year that is used in the USGS model is reasonable and appropriate. In order to reserve water in the alluvial aquifers that can contribute to base flow to area streams and for domestic use, it was determined that 75 percent of the 5.4 inches of precipitation recharge shall be available for appropriation. This is consistent with safe yield appropriation in many other basins across the state, and is the current percent available in for all applications in the Ninnescah River drainage basin. Therefore, for all pending applications within the model area, safe yield will be evaluated using the standard methodology in K.A.R. 5-3-11, which is based on the extent of the unconfined aquifer (area of consideration), a Potential Annual Recharge value of 5.4 inches, and a percent of recharge available for appropriation of 75%. Current annual recharge across the model area is approximately 3 inches.

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 7,105 acres (parts of Southwest, West, and Northwest portion of the Safe Yield were removed due to well logs showing water table in Shale). With a potential annual recharge of 5.4 inches, and 75% of recharge available for appropriation, safe yield was determined to be 2,397.94 acre-feet. Existing water rights have appropriated 1,117 acre-feet, providing a difference of 1,280.94 acre-feet available for appropriation, and the application requesting 187.2 acre-feet complies with safe yield.

A test hole log was submitted with the pending application, which shows top soil from 0 to 10 feet, layers of colored clay (with a small strip of fine sand and clay) from 10 to 85 feet, medium sand from 85 to 105 feet, small clay layer from 105 to 110 feet, medium gravel from 110 to 135 feet, and shale 136 feet below ground. The static water level was listed at 48feet which provides a saturated thickness of 87 feet.

The requested quantity of water, 187.2 acre-feet, is to irrigate the proposed 144 acres identified in the application. This is the maximum allowable of 1.3 acre-feet per acre for Sedgwick 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.

The applicant identified 5 domestic well and 1 non-domestic wells within one-half mile of the proposed well, which WRIS confirmed. Nearby notification letters were sent out on January 7, 2016. No contact of any kind was received. According to the WRIS database, the nearest non-domestic point of diversion (File No. 39,175) is located 2,191 feet away. The nearest domestic well is approximately 1,700 feet 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.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed. A water level measurement tube is required because this is a proposed new well exceeding 100 gpm.

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

Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced application on July 14, 2016. 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, 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

DENNIS W WOODS
5201 S 119TH ST W
CLEARWATER, KS 67026

August 26, 2010 **FILE COPY**

RE: Application, File No. 49,286

Dear Mr. Woods:

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,


Brent A. Turney, P.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT:mjm
Enclosures
pc: Stafford Field Office



FILE COPY

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. 49,286** of the applicant

**Dennis Woods
5201 S. 119th W.
Clearwater, KS 67026**

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 **February 13, 2015**.
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														
24 28S 2W														37	31	38	38	144

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 Southeast Quarter of the Northwest Quarter of the Southeast Quarter (SE¼ NW¼ SE¼) of Section 24, more particularly described as being near a point 1,425 feet North and 1,760 feet West of the Southeast corner of said section, in Township 28 South, Range 2 West, Sedgwick County, 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 **800 gallons per minute (1.783 c.f.s.)** and to a quantity not to exceed **187.2 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2017** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutory 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, 2021** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

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

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

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

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

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

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

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

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

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

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

17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

18. That this permit is further limited such that all wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, and shall supply water to a common distribution system.

This Order shall become a final agency action, as defined by K.S.A. 77-607(b), without further notice to the parties, if a request for hearing or a petition for administrative review is not filed as set forth below.

Request for Hearing. According to K.A.R. 5-14-3(c), any party who desires a hearing must submit a request within 15 days after the date shown on the Certificate of Service attached to this Order. Filing a request for a hearing will give you the opportunity to submit additional facts for consideration, contest any findings made by the Chief Engineer, or present any other information you believe should be considered in this matter. A timely-filed request for hearing will stay the deadline for requesting administrative review of this Order pending the outcome of the hearing.

Petition for Review. The applicant, if aggrieved by this Order, may petition for administrative review, pursuant to K.S.A. 82a-711(c) and K.S.A. 82a-1901(a). The petition must be filed within 30 days after the date shown on the Certificate of Service attached to this Order and must set forth the basis for the review, unless stayed by the timely filing of a request for hearing.

Any request for hearing or petition for administrative review shall be in writing and shall be submitted to the attention of: Chief Legal Counsel, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, Fax: (785) 564 - 6777.

Ordered this 25 day of August, 2016, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

Lane P. Letourneau, L.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 25 day of August, 2016, by Lane P. Letourneau, L.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



Danielle Wilson

Notary Public

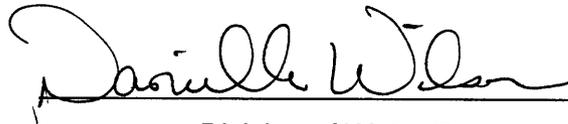
CERTIFICATE OF SERVICE

On this *26* day of *August*, 2016, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,286, dated *August 25, 2016* was mailed postage prepaid, first class, US mail to the following:

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

With photocopies to:

Stafford Field Office



Division of Water Resources



THE STATE OF KANSAS



APPLICATION COMPLETE
8/25/15
Reviewer: MTM

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

WATER RESOURCES
RECEIVED

AUG 25 2015

KS DEPT OF AGRICULTURE

File Number 49286
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.)

WATER RESOURCES
RECEIVED

FEB 13 2015

12:49
KS DEPT OF AGRICULTURE
SCANNED

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): Dennis Woods

Address: 5201 S. 119th W.

City: Clearwater State KS Zip Code 67026

Telephone Number: (479) 330-0055

2. The source of water is: surface water in _____ (stream)
OR groundwater in Arkansas River (drainage basin)

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

3. The maximum quantity of water desired is 187.2 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR _____ cubic feet per second.

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

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

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

For Office Use Only:
F.O. 2 GMD 4 Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source G/S County SG By KAG Date 2-13-15
Code RE-2 Fee \$ 300 TR # _____ Receipt Date 2/13/15 Check # 5680

2/19/2015 LCM

SE NW SE Geocenter 1425' N 1760' W

File No. _____

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 ^{SW 1/4} ~~SW 1/4~~ ^{NW 1/4} ~~NW 1/4~~ ^{SE 1/4} ~~SE 1/4~~ quarter of the ~~1425~~ quarter of the SE quarter of Section 24, more particularly described as being near a point 1425 feet North and 2050 feet West of the Southeast corner of said section, in Township 28 South, Range 2 West, Sedgwick County, Kansas.

Requesting 60 days to locate

(B) One in the SE quarter of the NW quarter of the SE quarter of Section 24, more particularly described as being near a point 1425 feet North and 1450 feet West of the Southeast corner of said section, in Township 28 South, Range 2 East (West (circle one)), SEDGWICK County, Kansas.

(C) One in the SE quarter of the NW quarter of the SE quarter of Section 24, more particularly described as being near a point 1425 feet North and 1850 feet West of the Southeast corner of said section, in Township 28 South, Range 2 East (West (circle one)), SEDGWICK County, Kansas.

(D) One in the SE quarter of the NW quarter of the SE quarter of Section 24, more particularly described as being near a point 1425 feet North and 1650 feet West of the Southeast corner of said section, in Township 28 South, Range 2 East (West (circle one)), SEDGWICK 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):

W. Dennis Woods Trust
(name, address and telephone number)
5201 S 119th W. Clearwater, KS 67026
(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 8/2/11, 2015. W. Dennis Woods
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 4 wells and pumps
(number of wells, pumps or dams, etc.)

and (will be) completed (by) ASAP
WATER RESOURCES (Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be ASAP
(Mo/Day/Year)

AUG 25 2015

WATER RESOURCES RECEIVED

KS DEPT OF AGRICULTURE

FEB 13 2015
SCANNED

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 N.A.

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

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

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

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

None

WATER RESOURCES
RECEIVED

WATER RESOURCES
RECEIVED

AUG 25 2015

FEB 13 2015

KS DEPT OF AGRICULTURE

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	17 AUG 2015	17 AUG		
Total depth of well	136'	150'		
Depth to water bearing formation	75'	45'		
Depth to static water level	24.35'	36.50'		
Depth to bottom of pump intake pipe	135'	149'		

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

Trustee
(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):

Dennis Woods Trust: 5201 S 119th W. Clearwater, KS 67026
(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 2, Kansas, this 11th day of FEBRUARY, 2015.
(month) (year)

W. Dennis Woods
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by MJM ESII Date: 2/11/2015
(office/title)

WATER RESOURCES RECEIVED

FEB 13 2015
SCANNED

KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED

AUG 25 2015

KS DEPT OF AGRICULTURE

IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Dennis Woods

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: Dennis Woods Trust

ADDRESS: 5201 S 119th W. Clearwater, KS 67026

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL				
			NE	NW	SW	SE																	
24	28S	2W																37	31	38	38	144	

Landowner of Record NAME: _____

ADDRESS: _____

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

Landowner of Record NAME: _____

ADDRESS: _____

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

**WATER RESOURCES
RECEIVED**



Agriculture, Residential & Commercial

Customer's Name Dennis Woods

Date 8/17/2015

Address 5201 S. 119th St. W. Clearwater, KS 67026

Test # 1,2

County Sedgwick Quarter SE Section 24 Twp 28S Range 2W

From		To	Description of Strata			
			Test Hole #1 CENTER OF QUARTER	300 GPM	SWL 48'	0-130 plain 130-151 perf
0	10		Topsoil			
10	25		Brown Clay			
25	30		Gray Clay			
30	40		Very Fine Sand/Gray Clay			
40	55		Very Fine Brown Sand			
55	60		Fine Brown Sand			
60	70		Fine Sand/Small Gravel			
70	75		Fine Sand			
75	80		Brown Clay/Fine Sand Mix			
80	100		Black Clay			
100	120		Brown Clay			
120	136		Black Clay			
136	140		Small Gravel/Clay Mix			
140	150		Medium Gravel/Signs of Shale			
151			Shale	300 GPM	SWL 48'	0-81 plain 81-136-perf
			Test Hole #2 - 600' West of #1			
0	10		Topsoil			
10	25		Brown Clay			
25	30		White Clay/Very Fine Sand			
30	35		White Clay			
35	50		Brown Clay			
50	65		Green Clay			
65	75		Brown Clay			
75	85		Fine Sand/Clay Mix			
85	105		Medium Sand			
105	110		Small Clay Layer			
110	135		Medium Gravel			
136			Shale			
						WATER RESOURCES RECEIVED AUG 25 2015

KS DEPT OF AGRICULTURE

2-12-15
(Date)

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

Re: Application
File No. _____

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

W. Dennis Woods
Signature of Applicant

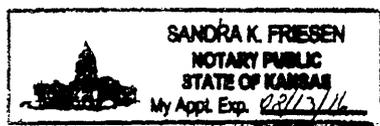
State of Kansas)
County of Sedgwick) ss

W. DENNIS Woods
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 12th day of February, 2015.

Sandra K. Friesen
Notary Public

My Commission Expires:



WATER RESOURCES
RECEIVED

FEB 13 2015

#49286
meets
spacing

Water Rights and Points of Diversion Within 2.00 miles of point defined as:
 1425 ft N and 1760 ft W of the SE Corner of Section 24, T 28S, R 2W
 Located at: 97.485796 West Longitude and 37.595832 North Latitude

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 34680	00	IRR	NK	G	3827	--	NW	SE	NW	3535	3935	25	28	2W	1	186.00	186.00	AF	
A__ 34714	00	IRR	NK	G	5780	--	NC	SW	1340	3940	25	28	2W	2		197.00	197.00	AF	
A__ 34715	00	IRR	NK	G	5417	--	NC	SE	1320	1332	25	28	2W	3		179.00	179.00	AF	
A__ 34716	00	IRR	NK	G	2758	--	NW	SE	NE	4000	1340	25	28	2W	4		168.00	168.00	AF
A__ 35336	00	IRR	NK	G	7309	--	NE	SE	NE	3680	80	19	28	1W	1		102.00	102.00	AF
A__ 39175	00	IRR	NK	G	2191	--	SW	SE	SW	30	3450	24	28	2W	1		100.00	100.00	AF
A__ 49061	00	IRR	GY	G	3186	--	SW	NW	NW	4270	4730	30	28	1W	5 G 4	185.00	185.00	AF	
Same					3469	--	SE	NW	NW	4070	4530	30	28	1W	1 B 4				
Same					3194	--	SW	NW	NW	4470	4530	30	28	1W	2 B 4				
Same					3203	--	SE	NW	NW	4070	4930	30	28	1W	3 B 4				
Same					2904	--	SW	NW	NW	4470	4930	30	28	1W	4 B 4				
A__ 49286	00	IRR	AY	G	452	--	SE	1320	1320	24	28	2W	2			187.20	187.20	AF	
A__ 49397	00	IRR	AY	G	8258	--	SW	1320	3960	20	28	1W	1			224.90	224.90	AF	
A__ 49398	00	IRR	AY	G	8732	--	NW	3960	3960	20	28	1W	2			224.90	224.90	AF	

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	637.00	.00
Total Permitted Amount (AF) =	185.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	932.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1754.00	.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:
 97.485796 West Longitude and 37.595832 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 34680	00	IRR	NK G
> GARY WOODS			
>			
> 5960 S 135TH ST W			
> CLEARWATER KS 67026			

A__ 34714	00	IRR	NK G
> THOMAS G & FLORENCE A BERGKAMP			
>			
> 8231 W 55TH ST S			
> CLEARWATER KS 67026			

A__ 34715 00 IRR NK G

> GARY WOODS
>
> 5960 S 135TH ST W
> CLEARWATER KS 67026

A__ 34716 00 IRR NK G

> DAVID & DEBRA KLAUSMEYER
>
> 8135 S 119TH ST W
> CLEARWATER KS 67026

A__ 35336 00 IRR NK G

> CATHERINE SIMON
>
> 4961 S MAIZE RD
> CLEARWATER KS 67026

A__ 39175 00 IRR NK G

> KRIS E & SUE C NOLAND TRUST
>
> 12624 W 95TH ST S
> CLEARWATER KS 67026

A__ 49061 00 IRR GY G

> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 49286 00 IRR AY G

> DENNIS W WOODS REV TRUST
>
> 5201 S 119TH ST W
> CLEARWATER KS 67026

A__ 49397 00 IRR AY G

> THOMAS G & FLORENCE A BERGKAMP
>
> 8231 W 55TH ST S
> CLEARWATER KS 67026

A__ 49398 00 IRR AY G

> THOMAS G & FLORENCE A BERGKAMP
>
> 8231 W 55TH ST S
> CLEARWATER KS 67026

=====


Kansas
Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

Hardid L. Nalton Estate
5101 S. 119 W
Clearwater, KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

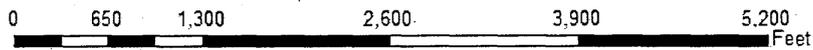
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

- Section Corners
- Section Lines



Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



MJM-DWR 1/7/16
112,000


Kansas
Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

Ilda Steward
5200 S. 119th St W.
Clearwater, KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

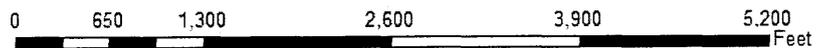
Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

-  Section Corners
-  Section Lines

MJM-DWR 1/7/16
1:12,000



Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



Kansas
Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

Philip & Glenda
5550 S 119th W.
Clearwater, KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend
+ Section Corners
Section Lines

MJM-DWR 1/7/16
1:12,000

0 650 1,300 2,600 3,900 5,200 Feet

Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



REVISION


Kansas
Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

Kyle Anthony Dye
5649 S 119th W
Clearwater, KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

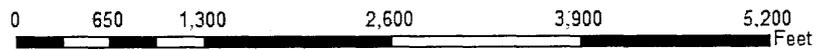
Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

- + Section Corners
- ▭ Section Lines

MJM-DWR 1/7/16
1:12,000



Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

Robert D Reidt Jr
12811 W 55th S
Clearwater, KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

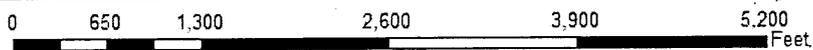
Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

-  Section Corners
-  Section Lines

MJM-DWR 1/7/16
1:12,000



Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

January 7, 2016

KRIS E & SUE C NOLAND TRUST
12624 W 95TH ST S
CLEARWATER KS 67026

Re: Pending Application, File No. 49,286

Dear Sir or Madam:

This is to advise you that the Dennis Woods has filed the application referred to above for a permit to appropriate 187.2 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 49,286 is a battery of 4 wells located as follows:

Southeast Quarter of the Northwest Quarter of the Southeast Quarter of Section 24, Township 28 South, Range 2 West, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed wells. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 (620) 234-5311. If you call, please reference the file number so I can help you more efficiently. Mailed comments can be sent to the Stafford Field Office at 300 S. Main St. Stafford, KS 67578-1521.

Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

Kansas

Department of Agriculture
Division of Water Resources

Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

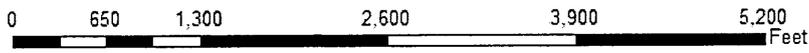
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

- + Section Corners
- Section Lines



Proposed Water Appropriation, File No. 49,286
24-28S-2W
Sedgwick County



MJM-DWR 11/16
1:12,000

Draft

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: July 14, 2016

FROM: Matt Meier

RE: Application, File No. 49,286

Dennis Woods has filed the referenced application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, a quantity of 187.2 acre-feet, and a diversion rate of 800 gallons per minute. The Geo-Center is to be located in the Southeast Quarter of the Northwest Quarter of the Southeast Quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section 24, more particularly described as being near a point 1,425 feet North and 1,760 feet West of the Southeast corner of said section, in Township 28 South, Range 2 West, Sedgwick County, within the Arkansas River drainage basin. There are no other water rights overlapping the proposed place of use or point of diversion. The proposed place of use is owned by the Dennis Woods Trust. The applicant has signed the application form stating that he has legal access to the point of diversion.

In 2004 the United States Geological Survey (USGS) completed a hydrologic model of a portion of the Arkansas River and associated drainage basins (Ninnescah River), generally bounded by Ranges 2 West to 3 East and Townships 26 South to 34 South (near state line). The USGS model indicated that the aquifer in this area receives more recharge from precipitation than DWR has historically used in safe yield calculations. The data and analyses are detailed in the USGS Scientific Investigations Report 2004-5204 entitled "Characterization and Simulation of Flow in the Lower Arkansas River Alluvial Aquifer, South-Central Kansas". In order to evaluate the potential impact of this study on our safe yield calculations, DWR suspended processing applications for new appropriations of water in the model area.

DWR recently completed an evaluation of the USGS model and has determined that the precipitation recharge value of 5.4 inches per year that is used in the USGS model is reasonable and appropriate. In order to reserve water in the alluvial aquifers that can contribute to base flow to area streams and for domestic use, it was determined that 75 percent of the 5.4 inches of precipitation recharge shall be available for appropriation. This is consistent with safe yield appropriation in many other basins across the state, and is the current percent available in for all applications in the Ninnescah River drainage basin. Therefore, for all pending applications within the model area, safe yield will be evaluated using the standard methodology in K.A.R. 5-3-11, which is based on the extent of the unconfined aquifer (area of consideration), a Potential Annual Recharge value of 5.4 inches, and a percent of recharge available for appropriation of 75%. Current annual recharge across the model area is approximately 3 inches.

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 7,105 acres (parts of Southwest, West, and Northwest portion of the Safe Yield were removed due to well logs showing water table in Shale). With a potential annual recharge of 5.4 inches, and 75% of recharge available for appropriation, safe yield was determined to be 2,397.94 acre-feet. Existing water rights have appropriated 1,117 acre-feet, providing a difference of 1,280.94 acre-feet available for appropriation, and the application requesting 187.2 acre-feet complies with safe yield.

A test hole log was submitted with the pending application, which shows top soil from 0 to 10 feet, layers of colored clay (with a small strip of fine sand and clay) from 10 to 85 feet, medium sand from 85 to 105 feet, small clay layer from 105 to 110 feet, medium gravel from 110 to 135 feet, and shale 136 feet below ground. The static water level was listed at 48 feet which provides a saturated thickness of 87 feet.

The requested quantity of water, 187.2 acre-feet, is to irrigate the proposed 144 acres identified in the application. This is the maximum allowable of 1.3 acre-feet per acre for Sedgwick 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.

The applicant identified 5 domestic well and 1 non-domestic wells within one-half mile of the proposed well, which WRIS confirmed. Nearby notification letters were sent out on January 7, 2016. No contact of any kind was received. According to the WRIS database, the nearest non-domestic point of diversion (File No. 39,175) is located 2,191 feet away. The nearest domestic well is approximately 1,700 feet 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.

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

*Concur w Recommendation
Approve it
W.L. JK 7/14*

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

August 10, 2015

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

RE: Pending Application, File No. 49,286

Dear Mr. Woods:

In response to your written request by electronic mail received in this office on August 10, 2015, the Chief Engineer is allowing an additional extension of time for sixty (60) days, in which to supply further information concerning the above referenced file. The original application was returned to you on February 23, 2015, and with your current extension of time the due date is August 13, 2015. With this extension of time, the revised deadline will be **October 13, 2015**.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting an extension, you are being allowed this additional 60 days. If near the end of the current extension you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order for the application to retain its priority of filing, the original application and attachments must be returned, with the requested information to this office on or before **October 13, 2015**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed original application and attachments, within the time allowed, shall constitute forfeiture of priority date and dismissal of the application.

If you have any questions, please contact me at (785) 564-6627 or by email at kristen.baum@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen Baum
Environmental Scientist
Water Appropriation Program

SCANNED

Baum, Kristen

From: Baum, Kristen
Sent: Monday, August 10, 2015 9:09 AM
To: 'Dennis Woods'
Subject: RE: Pending Application, File No. 49,286

Dennis,

As discussed on the phone this morning, DWR will grant another extension. You'll receive a formal response in the mail, and your new deadline will be October 13, 2015.

Kristen A. Baum
Division of Water Resources – Water Appropriations
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan KS 66502
(785) 564-6627

From: Dennis Woods [<mailto:wdw@sktc.net>]
Sent: Sunday, August 09, 2015 9:42 AM
To: Baum, Kristen
Cc: Brad Vincent
Subject: Pending Application, File No. 49,286

Dear Kristen;

We attempted to drill Saturday morning however the ground was just too wet to support the weight of the water/gravel truck. As of this morning we received additional rainfall which I feel will push us past the Aug. 13th submittal deadline.

As a result I would like to request an extension of the pending application noted above.

Should you have any question and or concerns I can be reached at 479-330-0055.

Your assistance is greatly appreciated.

Dennis Woods
Woods Tree Farm

SCANNED

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

July 13, 2015

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

Re: Pending Application, File No. 49,286

Dear Mr. Woods:

The application referred to above was returned to you for additional information on February 23, 2015, and with your current extension of time the required response date is August 13, 2015. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original application, and requested information, needs to be returned to this office on or before **August 13, 2015**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed application and attachments, within the time allowed, shall constitute forfeiture of priority date and dismissal of the application.

If an extension of time is necessary to supply the requested information, please request the extension of time, in writing, before **August 13, 2015**. Provide information on why the additional time is needed and how much additional time is requested. Since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6627 or by email at kristen.baum@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Kristen A. Baum
Environmental Scientist
Water Appropriation Program

SCANNED

Baum, Kristen

From: Dennis Woods <wdw@sktc.net>
Sent: Wednesday, July 08, 2015 6:12 AM
To: Baum, Kristen
Subject: Pending Application, File No. 49,286

Kristen;

Good Morning Kristen.

I wanted to let you know that the test well on this application has been delayed until next week due to high rain levels. We should still have everything required by the Aug. 13th deadline.

Should you have any questions and or comments I can be reached at 479-330-0055.

Thank you for your assistance.

Dennis Woods
Woods Tree Farm



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

May 20, 2015

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

RE: Pending Application, File No. 49,286

Dear Mr. Woods:

In response to your written request by electronic mail received in this office on May 20, 2015, the Chief Engineer is allowing an additional extension of time for sixty (60) days, in which to supply further information concerning the above referenced file. The original application was returned to you on February 23, 2015, and with your current extension of time the due date is June 13, 2015. With this extension of time, the revised deadline will be August 13, 2015.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting an extension, you are being allowed this additional 60 days. If near the end of the current extension you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order for the application to retain its priority of filing, the original application and attachments must be returned, with the requested information to this office on or before August 13, 2015, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed original application and attachments, within the time allowed, shall constitute forfeiture of priority date and dismissal of the application.

If you have any questions, please contact me at (785) 564-6627 or by email at kristen.baum@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A Baum".

Kristen Baum
Environmental Scientist
Water Appropriation Program

Baum, Kristen

From: Dennis Woods <wdw@sktc.net>
Sent: Wednesday, May 20, 2015 8:02 AM
To: Baum, Kristen
Subject: Re: Pending Application, File No. 49,286

Thank You Kristen.

Dennis Woods

From: Baum, Kristen
Sent: Wednesday, May 20, 2015 7:54 AM
To: Dennis Woods
Subject: RE: Pending Application, File No. 49,286

Dennis,

I received your request for extension. Your revised deadline will now be August 13, 2015. I will send you an official letter in the mail this morning with the revised deadline. I will also send you a reminder letter in July about the upcoming deadline.

Thanks,

Kristen A. Baum
Division of Water Resources – Water Appropriations
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan KS 66502
(785) 564-6627

From: Dennis Woods [<mailto:wdw@sktc.net>]
Sent: Tuesday, May 19, 2015 9:42 AM
To: Baum, Kristen
Subject: Pending Application, File No. 49,286

Kristen;

Per our phone conversation I would like to request an extension on above referenced File in an attempt to salvage the wheat crop which is currently on this parcel.

Should you have any questions I can be reached at 479-330-0055.

Your cooperation is appreciated.

Regards;

Dennis Woods

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

May 14, 2015

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

Re: Pending Application, File No. 49,286

Dear APPLICANT:

The application referred to above was returned to you for additional information on February 23, 2015, and with your current extension of time the required response date is June 13, 2015. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original application, and requested information, needs to be returned to this office on or before **June 13, 2015**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed application and attachments, within the time allowed, shall constitute forfeiture of priority date and dismissal of the application.

If an extension of time is necessary to supply the requested information, please request the extension of time, in writing, before **June 13, 2015**. Provide information on why the additional time is needed and how much additional time is requested. Since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6627 or by email at kristen.baum@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum
Environmental Scientist
Water Appropriation Program

pc: Equus Beds GMD No. 2

SCANNED

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

March 16, 2015

DENNIS W WOODS REV TRUST
5201 S 119TH ST W
CLEARWATER KS 67026

RE: Pending Application, File No. 49,286

Dear Mr. Woods:

In response to your written request by electronic mail received in this office on March 13, 2015, the Chief Engineer is allowing an additional extension of time for sixty (60) days, in which to supply further information concerning the above referenced file. The original application was returned to you on February 23, 2015, and with your current extension of time the due date is April 13, 2015. With this extension of time, the revised deadline will be **June 13, 2015**.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting an extension, you are being allowed this additional 60 days. If near the end of the current extension you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order for the application to retain its priority of filing, the original application and attachments must be returned, with the requested information to this office on or before **June 13, 2015**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed original application and attachments, within the time allowed, shall constitute forfeiture of priority date and dismissal of the application.

If you have any questions, please contact me at (785) 564-6631 or by email at katie.goff@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Katie Goff". The signature is written in a cursive style.

Katie Goff
Environmental Scientist
Water Appropriation Program

Katie Goff

From: Dennis Woods <wdw@sktc.net>
Sent: Monday, March 16, 2015 2:10 PM
To: Katie Goff
Subject: Re: Pending Application, File No. 49,286

Thank You Katie.....Dennis Woods

From: Katie Goff
Sent: Monday, March 16, 2015 9:19 AM
To: Dennis Woods
Subject: RE: Pending Application, File No. 49,286

Dennis,

With this extension, your revised deadline will be June 13, 2015. I will send you an official letter in the mail this morning with the revised deadline. I will send you a reminder letter in May about the upcoming deadline, and we can talk closer to June about another possible extension request/progress report.

Thanks,

Katie Goff
Division of Water Resources – Water Appropriations
Kansas Department of Agriculture
(785) 564-6631

From: Dennis Woods [<mailto:wdw@sktc.net>]
Sent: Monday, March 16, 2015 5:55 AM
To: Katie Goff
Subject: Pending Application, File No. 49,286

Good Morning Katie;

As discussed previously I would like to extend the time frame necessary to establish the well battery location for the pending application referenced above. Please let me know if this is possible and when I should follow up with you to report our progress (or the need for an additional extension).

Thank you Katie for your assistance. It is greatly appreciated.

Should you need to contact me I can be reached at 479-330-0055.

Dennis Woods
Woods Tree Farm

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

February 23, 2015

DENNIS W WOODS
5201 S 119TH ST W
CLEARWATER KS 67026

RE: Pending Application, File No. 49,286

Dear Mr. Woods:

After reviewing your above referenced application for a permit to appropriate water for beneficial use, the file is being returned to you for additional information. As specified in K.A.R. 5-3-1, an application acceptable for filing shall show the source of water supply and either shall show a description of the location of the proposed point of diversion or shall request a 60-day period of time in which to establish the location of the proposed point of diversion within a limited area. In your original application, received in this office on February 13, 2015, you had requested a 60-day period of time in which to locate the specific point of diversion within specified quarter section tracts of land described as the Southeast Quarter of Section 24, in Township 28 South, Range 2 West, Sedgwick County, Kansas.

In Paragraph No. 5 of the application please provide the description of the location of the proposed geographic center of the well battery, and the location for **each of the individual wells comprising the battery** of wells. The feet distances North and West from the Southeast corner of the section must be listed for each well in the battery. The location of the point of diversion for the file (i.e. the geographic center of the proposed well battery) must be plotted on the enclosed site map. Per K.A.R. 5-3-4, the location of all water wells of every kind within one-half (1/2) mile of the point of diversion covered by the proposed appropriation must be plotted on the topographic map, identified as to its use, and include the name and mailing address of the well owner. The application currently has this information attached; please verify the information is correct once you have established your point of diversion for this file.

Paragraph No. 13 of the application requests well information so the source of supply of the proposed wells may be determined. Pursuant to K.A.R. 5-3-4d, this office requires a stratigraphic log of a well or test hole within 300 feet of the proposed point of diversion, unless the chief engineer has sufficient information to understand the lithology and determine the groundwater source formation. Please supply the indicated information and a test hole log or a driller's log with the returned application.

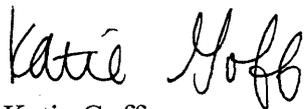
(over)

SCANNED

Dennis Woods
Pending Application, File No. 48,880
Page 2

In order for the application to retain its priority of filing, the original application and attachments must be returned, with the requested information to this office on or before **April 13, 2015**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed application and attachments, within the time allowed, shall constitute forfeiture of the priority date and dismissal of the application. If you have any questions, please contact me at (785) 564-6631 or by email at katie.goff@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Katie Goff".

Katie Goff
Environmental Scientist
Water Appropriation Program

Enclosure

pc: Groundwater Management District No. 2

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

February 16, 2015

DENNIS WOODS
5201 S 119TH W
CLEARWATER KS 67026

RE: Application
File No. 49286

Dear Sir or Madam:

Your application for permit to appropriate water in 24-28-2-W in Sedgwick 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) 564-6643. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

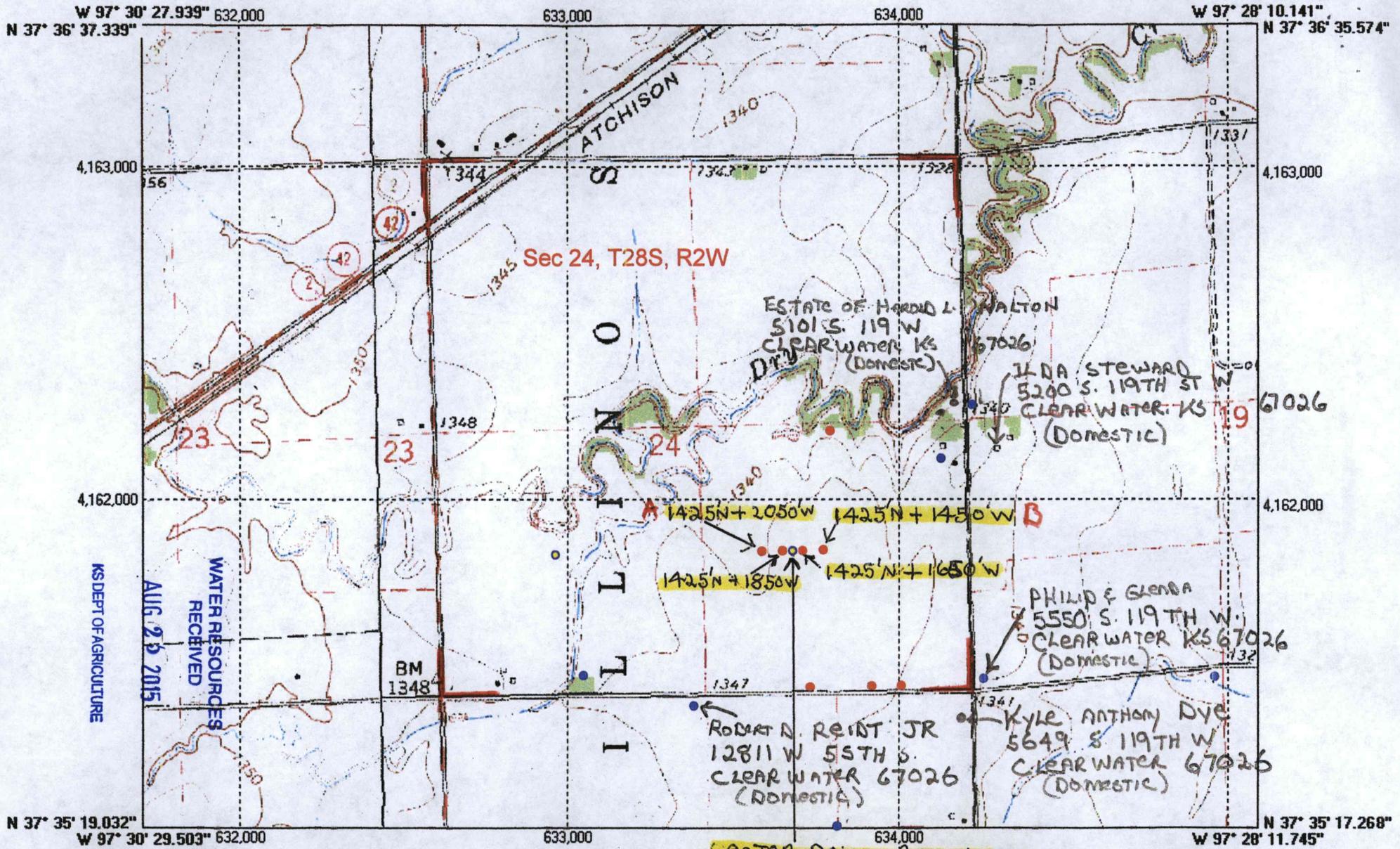
Sincerely,

A handwritten signature in cursive script that reads "Brent A. Turney".

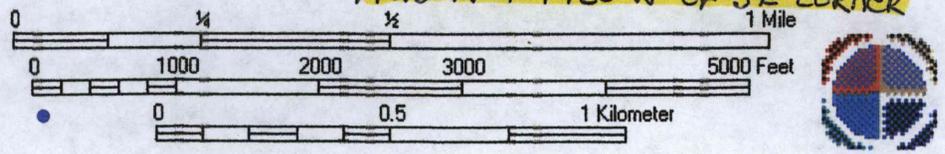
Brent Turney, L.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: STAFFORD Field Office
GMD

SCANNED



1927 North American Datum; 1,000-meter UTM grid zone 14
Generated by BigTopo (www.igage.com)
Map compiled from USGS Quads: Clearwater; KS Bayneville; KS

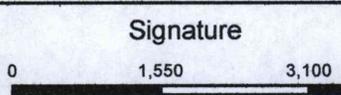


File No. _____



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

-  Storage Pit (offstream approx. 4.6 acres)
-  Proposed Point of Diversion
-  Water Rights
-  Proposed Place of Use
-  Section Corner



Created By: Matt Meier
NO. 2
Date: 2/11/2015

WATER RESOURCES RECEIVED
FEB 13 2016
SCANNED
KS DEPT OF AGRICULTURE

File No. _____



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

-  Storage Pit (offstream approx. 4.6 acres)
-  Proposed Point of Diversion
-  Water Rights
-  Proposed Place of Use
-  Section Corner

Signature _____

~~FEB 13 2015~~
Date
SCANNED

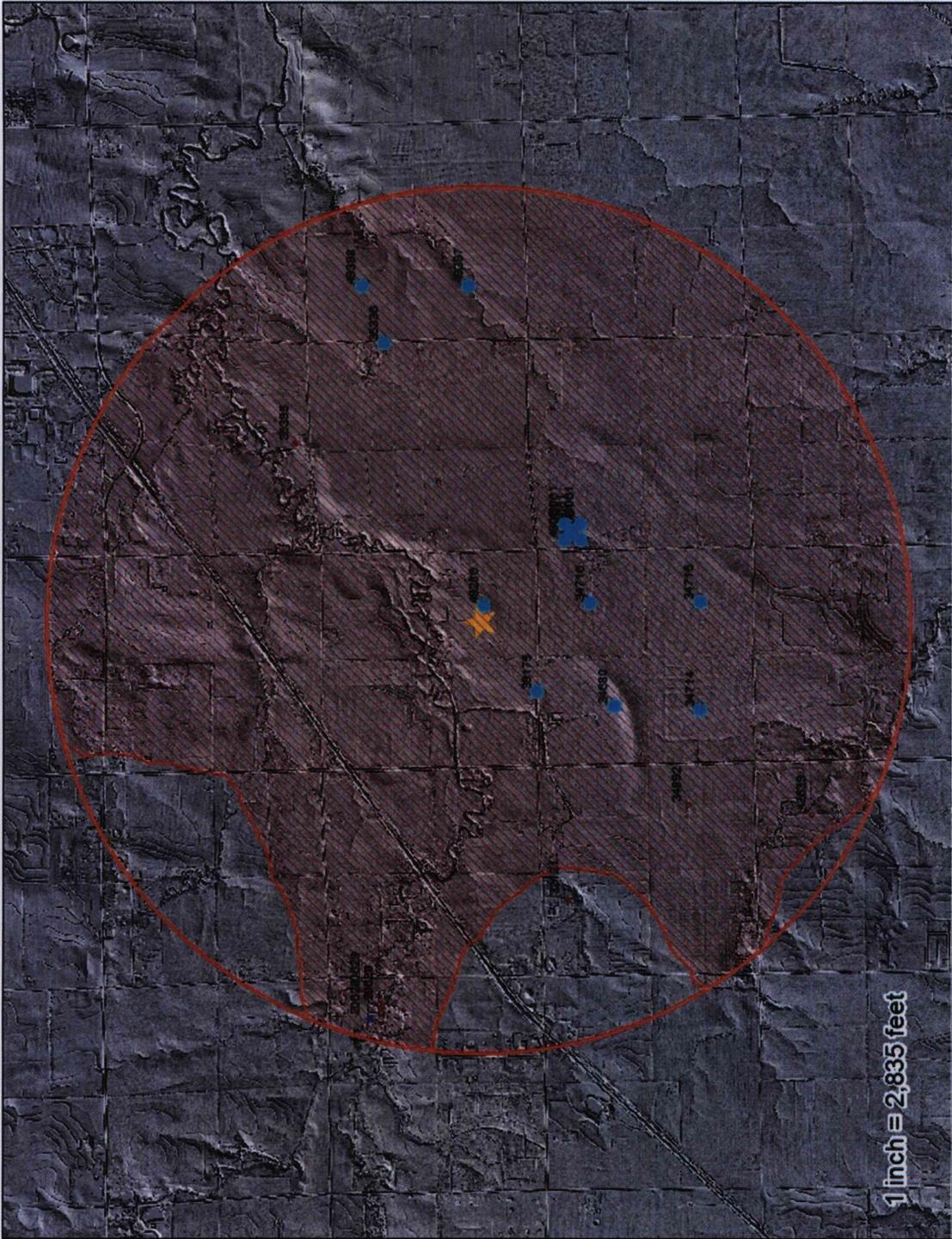
Created By: Matt Meier
F.O. 2
Date: 2/11/2015

0 750 1,500

3,009 Feet
KS DEPT OF AGRICULTURE

#49286

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in SWSNWSE 24-28S-02W



1 inch = 2,835 feet

11111

28S-02W
#49286

#49,286
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 2,397.94 AF.
 Total prior appropriation in the circle is 1,754.00 AF.
 Total quantity of water available for appropriation is 643.94 AF.

- 1117 = 1280.94 AF available

Safe Yield Variables

The area used for the analysis is set at 7105 acres.
 Potential annual recharge of the area is estimated to be 5.4 inches.
 The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 14-JUL-2016 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 10 water right(s) and 14 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 34680	00	IRR	NK	G		NW	SE	NW	3535	3935	25	28	02W	1	WR	186.00	186.00	130.00	130.00
A 34714	00	IRR	NK	G			NC	SW	1340	3940	25	28	02W	2	WR	197.00	197.00	150.00	150.00
A 34715	00	IRR	NK	G			NC	SE	1320	1332	25	28	02W	3	WR	179.00	179.00	150.00	150.00
A 34716	00	IRR	NK	G		NW	SE	NE	4000	1340	25	28	02W	4	WR	168.00	168.00	145.00	145.00
A 35336	00	IRR	NK	G		NE	SE	NE	3680	80	19	28	01W	1	WR	102.00	102.00	127.90	127.90
A 39175	00	IRR	NK	G		SW	SE	SW	30	3450	24	28	02W	1	WR	100.00	100.00	72.50	72.50
A 49061	00	IRR	GY	G		SE	NW	NW	4070	4530	30	28	01W	1	WR	185.00	185.00	142.38	142.38
Same		IRR	GY	G		SW	NW	NW	4470	4530	30	28	01W	2	WR				
Same		IRR	GY	G		SE	NW	NW	4070	4930	30	28	01W	3	WR				
Same		IRR	GY	G		SW	NW	NW	4470	4930	30	28	01W	4	WR				
Same		IRR	GY	G		SW	NW	NW	4270	4730	30	28	01W	5	WR				
A 49286	00	IRR	AY	G			SE		1320	1320	24	28	02W	2	WR	187.20	187.20	144.00	144.00
A 49397	00	IRR	AY	G			SW		1320	3960	20	28	01W	1	WR	224.90	224.90	173.00	173.00
A 49398	00	IRR	AY	G			NW		3960	3960	20	28	01W	2	WR	224.90	224.90	173.00	0.00

1117 AF
approved

637 pending

#49,286