

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: January 11, 2017

FROM: Matt Meier

RE: Application, File No. 48,026

The Robert D Hay Trust has filed the referenced application to appropriate groundwater for irrigation use, requesting one (1) well, a quantity of 87.1 acre-feet, and a diversion rate of 800 gallons per minute. The well is to be located in the Northeast Quarter of the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 19, more particularly described as being near a point 2,450 feet North and 2,670 feet West of the Southeast corner of said section, in Township 29 South, Range 1 East, Sedgwick County, within the Ninnescah River drainage basin. Water Right, File No. 28,971 overlaps the proposed place of use. The proposed place of use is owned by Robert D. Hay. The applicant has signed the application form stating that he has legal access to the point of diversion. The requested place of use and point of diversion were modified during the processing of the application to meet safe yield and form a complete place of use overlap with the senior water right. Water Right, File No. 28,971 has a pending place of use change to form a complete overlap with the new application and cover currently illegal irrigated acres.

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 8,042 acres. With a potential annual recharge of 5.4 inches, and 75% of recharge available for appropriation, safe yield was determined to be 2,714.18 acre-feet. Existing water rights have appropriated 2536.45 acre-feet, providing a difference of 177.73 acre-feet available for appropriation, and the application requesting 87.1 acre-feet complies with safe yield.

A well hole log was obtained for well authorized under File No. 28,971 (which they application originally overlapped point of diversion with), which shows clay from 0 to 12 feet, sandy clay from 12 to 25 feet, medium to coarse sand and gravel from 25 to 56 feet, clay from 56 to 58 feet, and fine to coarse sand from 58 to 75 feet below ground. The static water level was listed at 29 feet which provides a saturated thickness of 46 feet.

The requested quantity of water, 87.1 acre-feet, is to irrigate the proposed 114 acres identified in the application. When combined with Water Right, File No. 28,971 the combined quantity authorized on the proposed place of use is 119.1 acre-feet. This comes out to be 1.05 acre-feet per acre, which is less than the maximum allowable of 1.3 acre-feet per acre for Sedgwick County, Kansas but equals the minimum reasonable acre-feet per acre of 1.05. 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 7 domestic wells and 1 non-domestic well (which the applicant owns) within ½ mile of the proposed point of diversion. Nearby notification letters were sent out on October 12, 2016. Phone calls were received from James Bise and Ronal Boyer to obtain more information on the proposed application. Letters were received from Alan & Tamara Schlereth, Ronal Guest, & Jaqueline Faelber. The nearest non-domestic point of diversion (File No. 28,971) is located 1,351 feet away. The nearest domestic well is approximately 2,000 feet away based on the supplied map. 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 January 11, 2017. 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
(785) 564-6700



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

Jackie McClaskey, Secretary

Governor Sam Brownback

ROBERT D HAY TRUST
9171 S WEST ST
HAYSVILLE KS 67060

February 13, 2017 **FILE COPY**

RE: Application, File No. 48,026

Dear Mr. Hay:

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.

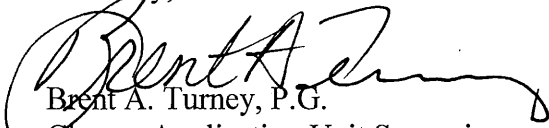
Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this permit. A water meter is required and you must install it prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meter should be used to provide 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

Enclosures

pc: Stafford Field Office



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. 48,026** of the applicant

**Robert D Hay Trust
 9171 S West St.
 Haysville, KS 67060**

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 **December 23, 2011**.
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	
19 29S 1E								31	37	1	7	38					114

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well, which is to located in the Northeast Quarter of the Northeast Quarter of the Southwest Quarter (NE¼ NE¼ SW¼) of Section 19, more particularly described as being near a point 2,450 feet North and 2,670 feet West of the Southeast corner of said section, in Township 29 South, Range 1 East, 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 **87.1 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, 2018** 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, 2022** 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.

CERTIFICATE OF SERVICE

On this ^{13th} day of February, 2017, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 48,026, dated February 9, 2017 was mailed postage prepaid, first class, US mail to the following:

ROBERT D HAY TRUST
9171 S WEST ST
HAYSVILLE KS 67060

With photocopies to:

Stafford Field Office

A handwritten signature in black ink, appearing to read "Danielle Wilson", is written over a horizontal line.

Division of Water Resources



APPLICATION COMPLETE
12/23/2011
Reviewer: MTM

KANSAS DEPARTMENT OF AGRICULTURE
Joshua Svaty, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 48,026
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
DEC 23 2011
1:00pm
KS DEPT OF AGRICULTURE

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
109 SW 9th Street, Second Floor, Topeka, KS 66612-1283:

1. Name of Applicant (Please Print): Robert D Hay Trust
Address: 9171 S West St
City: Haysville State KS Zip Code 67060
Telephone Number: (216) 522-1670

2. The source of water is: surface water in _____ (stream)
OR groundwater in Ninnescah 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 116.2 acre-feet OR 800 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 0 Meets K.A.R. 5-3-1 (YES/NO) Use 1R0 Source G S County SG By BA Date 12-23-11
Code _____ REG _____ Fee \$ 200 TR # _____ Receipt Date 12-23-11 Check # 15218

AUG 29 2016

Stafford Field Office
Division of Water Resources

12-30-11
BDD SCANNER

*MCM/SFFO 12/23/16 Geailed applicant & told that he can't increase requested quantity. Applicant stated that he understood.

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DEC 23 2011
Stafford Field Office
Division of Water Resources

Robert D Hay 8-25-16

File No. 48026

Robert D Hay
6/13/16

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.

One in the ~~NW~~ ^{NE} quarter of the ~~SE~~ ^{SE} quarter of the ~~SW~~ ^{SW} quarter of Section 19, more particularly described as being near a point 1270 feet North and 2340 feet West of the Southeast corner of said section, in Township 29 South, Range 1320 East/West (circle one), Sengstack County, Kansas.

(B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Robert Hay 9171 S West St. Haysville KS 67060, (316) 522-1670
(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. RECEIVED
DEC 2 2011

Executed on 12-21-11, 2011. Robert D Hay Stafford Field Office
Applicant's Signature Division of Water Resources

7. The proposed project for diversion of water will consist of 1 well
(number of wells, pumps or dams, etc.)

and (was) ~~will be~~ completed (by) Spring 2012
(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 April 2012
(Mo/Day/Year)

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WATER RESOURCES
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DEC 23 2011

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AUG 29 2016

KS DEPT OF AGRICULTURE

DEC 13 2016

SCANNED

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

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.

File # 28971 P.h. overlap

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Stafford Field Office
Division of Water Resources

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JUN 15 2015
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	<u>1976?</u>	_____	_____	_____
Total depth of well	<u>72</u>	_____	_____	_____
Depth to water bearing formation	<u>?</u>	_____	_____	_____
Depth to static water level	<u>28</u>	_____	_____	_____
Depth to bottom of pump intake pipe	<u>70</u>	_____	_____	_____

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

Owner
(owner, tenant, agent or otherwise)

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

(name, address and telephone number)

(name, address and telephone number)

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

Dated at Haysville, Kansas, this 21st day of December, 2011.
(month) (year)

Robert D Hay
(Applicant Signature)

512-52-8233
APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

RECEIVED

By _____
(Agent or Officer Signature)

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

DEC 22 2011

Stafford Field Office
Division of Water Resources

(Agent or Officer - Please Print)

Assisted by _____ Date: _____
(office/title)

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Division of Water Resources

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AUG 29 2016

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Domestic wells within ½ mi. of proposed POD

1. Raymond & Penni Smith
10022 S Meridian
Peck, KS 67120
2. Ronald & Ann Marie Cox
10052 S Meridian
Peck, KS 67120
3. Anthony & Sherry Middendorf
10064 S Meridian
Peck, KS 67120
4. James & Connie Bise
10112 S Meridian
Peck, KS 67120
5. Ronald & Dallas Boyer
10140 S Meridian
Peck, KS 67120
6. Alan & Tamara Schlereth
10160 S Meridian
Peck, KS 67120
7. Ronald & Jacqueline Faelber
10212 S Meridian
Peck, KS 67120

RECEIVED

AUG 29 2016

Staffing/Training Office
Division of Human Resources

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

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

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Blanket Silty Loam</u>	<u>60</u> Ba	<u>1.3</u>	<u>3</u>
<u>Tablet Silty Clay Loam</u>	<u>30</u> Ta	<u>.4</u>	<u>1</u>
<u>Farnum Loam</u>	<u>10</u> Fb	<u>1.3</u>	
Total:	100 %		

b. Estimate the average land slope in the field(s): 1/2 %
 Estimate the maximum land slope in the field(s): 2 %

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

Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler
 Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

Application rate will equal soil intake rate

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: 35 psi
- (2) What is the sprinkler package design rate? 800 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).

Use Crop Consultant

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DEC 22 2011

Stafford Field Office
 Division of Water Resources

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

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AUG 29 2016

Stafford Field Office
 Division of Water Resources

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AUG 15 2016

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 Division of Water Resources

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Page 2 of 2
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AUG 29 2016

Stafford Field Office
 Division of Water Resources

SCANNED

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 48.026

Name of Applicant (Please Print): Robert D Hay Trust

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: Robert D Hay Trust

ADDRESS: 9171 S West St Haysville, KS 67060

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19	29S	1E								31	37	1	7	38					114

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	

RECEIVED

AUG 29 2016

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: _____

d. System design features:

i. Describe how you will control tailwater:

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:

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).

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

12-21-11
(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. 48026

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.

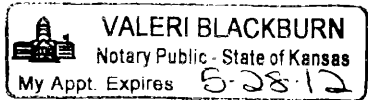
I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Robert D Hay
Signature of Applicant

State of Kansas)
County of Sedgwick) ss

(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 21 day of Dec, 2011.



Valeri Blackburn
Notary Public

My Commission Expires: 5-28-12

RECEIVED
DEC 22 2011

RECEIVED

RECEIVED

WATER RESOURCES
RECEIVED

Stafford Field Office
Division of Water Resources

DWR 1-100-17-12 (Revised 03/27/2008)

JUN 15 2016

DEC 23 2011

Stafford Field Office
Division of Water Resources

KS DEPT OF AGRICULTURE

SCANNED

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

Kansas Department of Health and Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

1. Location of well:	County Sedgwick	Fraction 1/4 SE 1/4 SW 1/4	Section number 19	Township number T 29 S	Range number R 1E E/W
2. Distance and direction from nearest town or city: 1/2 East and 1/2 North of Clearwater Road and Meridian. Clearwater, Kansas			3. Owner of well: Garland Bell R.R. or street: Peck, Kansas City, state, zip code:		
4. Locate with "X" in section below: Sketch map: Peck, Kansas			6. Bore hole dia. 30 in. Completion date 5-3-77 Well depth 75 ft.		
			7. <input type="checkbox"/> Cable tool <input type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input checked="" type="checkbox"/> Reverse rotary		
			8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input type="checkbox"/> Oil field water <input type="checkbox"/> Other		
5. Type and color of material			9. Casing: Material Transite Height: Above or below See #19 Thread Welded Surface 12 in. RMP PVC Weight 37 lbs./ft. Dia. 16 in. to 75 ft. depth Well Thickness: inches or Dia. 3/4 in. to 75 ft. depth gage No. 374		
			10. Screen: Manufacturer's name Johnson Type Irrigator Dia. 16" Slot/gauze 100 Length 15' Set between 45 ft. and 55 ft. 70 ft. and 75 ft. Gravel pack yes Size range of material 1/2-1/8"		
Clay			11. Static water level: 29 ft. below land surface Date 5-3-77 mo./day/yr.		
Sandy Clay			12. Pumping level below land surfaces: ____ ft. after ____ hrs. pumping ____ g.p.m. ____ ft. after ____ hrs. pumping ____ g.p.m. Estimated maximum yield ____ g.p.m.		
Medium to Coarse Sand & Gravel			13. Water sample submitted: ____ mo./day/yr. <input type="checkbox"/> Yes <input type="checkbox"/> No Date ____		
Clay			14. Well head completion: <input type="checkbox"/> Pitless adapter 12 inches above grade		
Fine to Coarse Sand			15. Well grouted? yes With: <input type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Concrete Depth: From 0 ft. to 10 ft.		
			16. Nearest source of possible contamination: NONE ft. ____ Direction ____ Type ____ Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
			17. Pump: Not installed Manufacturer's name valley Model number 10MHE-8 HP 80 Volts 460 Length of drop pipe 60 ft. capacity 600 g.p.m. Type: <input type="checkbox"/> Submersible <input checked="" type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other		
(Use a second sheet if needed)					
18. Elevation: Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley	19. Remarks: Flat Ground From #9 Banded But Joint No apparent source for contamination.		20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Harp Well & Pump 236 Business name Wichita, Kansas License No. ____ Address ____ Signed [Signature] Date 5-10-77 Authorized representative		

Forward the white, blue and pink copies to the Department of Health and Environment

Form WWC-5

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

April 29, 2016

Robert Hay Trust
9171 S West St
Haysville, KS 67060

RE: Pending Application, File No. 48,026

Dear Mr. Hay:

We have conducted further review of your application referenced above. Based on this information, the proposed well would be located Near the Center of the East Half of the Southwest Quarter (NC E½ SW¼) of Section 19, more particularly described as being near a point 1,320 feet North and 3,320 feet West of the Southeast corner of said section, in Township 29 South, Range 1 East, Sedgwick County, Kansas. The application is requesting to appropriate 87.1 acre-feet of groundwater for irrigation use.

The source of water for the pending application appears to be Quaternary System deposits based on the well log. The specific method for calculating safe yield for unconfined groundwater aquifers is described in K.A.R. 5-3-11. Per K.A.R. 5-3-11(d)(1), the safe yield area of consideration represents the portion of the two-mile circle located within the limit of the unconfined aquifer expressed in acres (8,042 acres for this file). Calculated recharge is 5.4 inches, and for hydrologic units within the Ninnescah River Basin, 75 percent of the calculated recharge can be considered to be available for appropriation. The safe yield determination is summarized below.

Safe Yield = Area of Consideration x potential annual recharge x percent of recharge available

8,042 acres x 5.4 inches x 75% = 32,570.1 acre-inches / 12 = 2,714.18 acre-feet

Prior Appropriations within the area of consideration = 2,955.87 acre-feet

Total quantity of water available = 0 acre-feet

Therefore, it will be recommended to the Chief Engineer that pending application, File No. 48,026 be denied and dismissed due to the failure to meet safe yield criteria, as required by K.A.R. 5-3-10 and K.A.R. 5-3-11.

We are advising you of this recommendation in order to allow you an opportunity to submit additional information to show why our evaluation should be reconsidered. You have a period of 15 days (**until May 14, 2016**) to either (1) submit additional information to our office or (2) request additional time beyond the 15 days to submit additional information. If you wish to request additional time, you must do so **in writing**, before the 15 day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office. If you do not request more time within the 15 day period, or if your request is not granted, the above- referenced application will be submitted to the Chief Engineer for final decision based on the recommendation stated above. Any relevant credible information submitted within the time allowed will be given due consideration, prior to final action on the application. If you have any questions, please contact me at (620) 234-5311. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,



Matt Meier
New Application Unit
Water Appropriation Program

pc:

SCANNED

Robert D Hay
9171 S West St.
Haysville, KS 67060

May 9, 2016

Kansas Department of Agriculture
Division of Water Resources, Stafford Field Office
300 S Main Street
Stafford, Kansas 67578-1521

RE: Pending Application, File No. 48026

Dear Mr. Meier:

I am writing in response to your letter dated April 29, 2016. I am requesting additional time to gather information pertaining to the hydrology in the area relative to the pending application. I have submitted a records request to obtain the safe yield report for this area and plan to consult with a hydrologist. I am asking for an extension of at least 90 days to obtain this information and conduct my research. Thank you for your consideration.

Respectfully,



Robert D Hay

RECEIVED
SCANNED
MAY 11 2016
Stafford Field Office
Division of Water Resources

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

May 12, 2016

Robert D. Hay
9171 S. West St
Haysville, KS 67060

Re: Pending Application, File No. 48,026

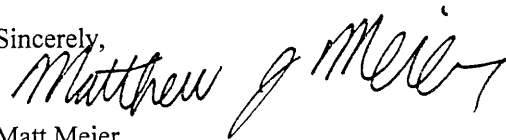
Dear Mr. Hay:

This will acknowledge receipt of your letter, received in this office on May 11, 2016 in which you requested a 90 day extension to an initial denial deadline of May 14, 2016. As this is the first request for an extension and you have requested additional information regarding the denial recommendation, a 30 day extension can be granted at this time for you to submit additional information to show why our evaluation should be reconsidered. The new deadline will be **June 13, 2016**. Additionally, your original application is being returned to you.

If the additional information and original application are not received by the **June 13, 2016** deadline, it will be recommended to the Chief Engineer that pending application, File No. 48,026 be denied and dismissed due to the failure to meet safe yield criteria, as required by K.A.R. 5-3-10 and K.A.R. 5-3-11.

If you have any questions, please contact me at (620) 234-5311. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,



Matt Meier
New Application Unit
Water Appropriation Program

pc:

SCANNED

Robert D Hay
9171 S West St.
Haysville, KS 67060

June 13, 2016

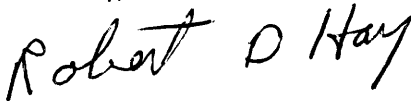
Kansas Department of Agriculture
Division of Water Resources
300 S Main Street
Stafford, KS 67578-1521

Re: Pending Application, File No. 48026

Dear Mr. Meier

I am writing in response to your letter dated May 12, 2016. I have reviewed the information I requested from your office and have made modifications to the enclosed application based on this information. I am hopeful that the new locations that I have selected will meet safe yield criteria. Please advise me of your findings once you have completed your review. If the criteria are not met I would ask that I be provided with the Safe Yield Report that supports these findings and have the opportunity to make further modifications to the application. Thank you for your consideration.

Sincerely,



Robert D Hay

RECEIVED

JUN 15 2016

STATE OF KANSAS
DIVISION OF WATER RESOURCES

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

July 29, 2016

Robert D. Hay
9171 S. West St
Haysville, KS 67060

RE: Pending Application, File No. 48,026

Dear Mr. Hay:

After further review of the above referenced application for permit to appropriate water for beneficial use, it is being returned to you for additional information. A review of the File No. 48,026 determined that the application currently forms an incomplete place of use overlap with Water Right, File No. 28,971. This incomplete place of use overlap will need to be corrected, through a change in place of use for Water Right, File No. 28,971, before further review of the application can be completed. **All owners of the ground currently authorized by Water Right, File No. 28,971 will need to sign the change application before it can be processed.**

Additionally, as we discussed over the phone the application's new proposed well location fails to meet spacing to the well authorized by Water Right, File No. 28,971. A change in point of diversion will need to be submitted for Water Right, File No. 28,971 to form a complete overlap with the new application. If a change in point of diversion is not submitted it will be recommended that Application, File No. 48,026 be denied for failure to meet minimum spacing, as required by K.A.R. 5-4-4.

Finally, the application map did not show the location of any wells within ½ mile of the proposed point of diversion or list the names and mailing addresses of the well owners. This information is required and will need to be provided for both the new application and change application for Water Right, File No. 28,971.

Based on our phone conversation I have included a change application, for both point of diversion and place of use, for Water Right, File No. 28,971 and updated place of use maps for Application, File No. 48,026. Please review the change application and new application maps and let me know if any modifications need to be made. If the change and new application maps match are correct please return the new application to the Stafford field office and the change application to DWR Headquarters in Manhattan, KS.

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 28, 2016**, or within any authorized extension of time thereof. According to the law, default in the refiling of the completed application and attachments as outlined above, within the time allowed, **shall constitute forfeiture of your priority date and dismissal of the application.**

If you have any questions, please contact me at (620) 234-5311. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,


Matt Meier

New Application Unit
Water Appropriation Program

Enclosure
pc:

SCANNED

Robert D Hay
9171 S West St.
Haysville, KS 67060

August 25, 2016

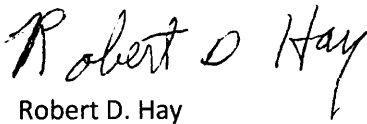
Kansas Department of Agriculture
Division of Water Resources
300 S Main St.
Stafford, KS 67578-1521

RE: Pending Application, File No. 48026

Dear Mr. Meier:

I am writing in response to your letter dated July 29, 2016. I have made changes to the enclosed application 48026 so that it will meet spacing requirements as well as provided a list of domestic well owners within ½ mi. I am still in the process of obtaining all of the signatures required to complete the place of use change for file 28971. I realize that approval of 48026 hinges on the completion of this change to form a complete overlap and am working to get that application submitted ASAP. If you require any further information to continue your review please let me know.

Sincerely,


Robert D. Hay

RECEIVED

AUG 29 2016

Stafford, KS, Office
Division of Water Resources

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

October 13, 2016

Raymond & Penni Smith
10022 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

In the Northeast Quarter of the Northeast Quarter of the Southwest Quarter of Section 19, Township 29 South, Range 1 East, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed well. 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

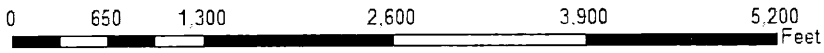
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

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



1:12,000

2015 aerial



Legend

- + Section Corners
- Section Lines

Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgwick County



MJM-DWR 10/13/16

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

October 13, 2016

Ronald & Ann Marie Cox
10052 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

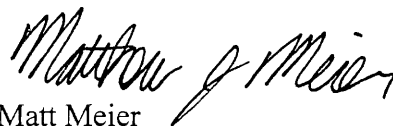
This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion for 48,026 is one (1) well located as follows:

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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 10/13/16

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

Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgwick County



Kansas

Department of Agriculture
Division of Water Resources

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

Jackie McClaskey, Secretary
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Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov

Sam Brownback, Governor

October 13, 2016

Anthony & Sherry Middendorf
10064 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

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Sincerely,



Matt Meier
Environmental Scientist
Water Appropriations Program

Enclosure

pc:

SCANNED

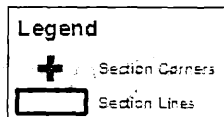
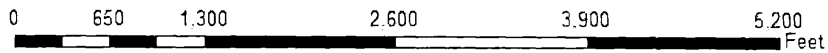
Kansas

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



MJM-DWR 10/13/16

Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgewick County



Kansas

Department of Agriculture
Division of Water Resources

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

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

October 13, 2016

James & Connie Bise
10112 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

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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

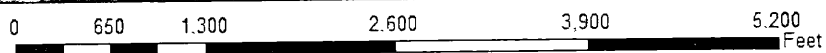
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311

Fax: (620) 234-6900

www.agriculture.ks.gov

Sam Brownback, Governor



Legend	
	Section Corners
	Section Lines

MJM-DWR 10/13/16

Proposed Water Appropriation, File No. 48,026
19-29S-1E
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

October 13, 2016

Ronald & Dallas Boyer
10140 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

In the Northeast Quarter of the Northeast Quarter of the Southwest Quarter of Section 19, Township 29 South, Range 1 East, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed well. 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

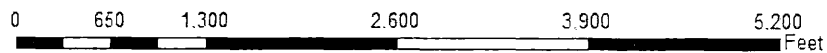
Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor



Legend

- + Section Corners
- ▭ Section Lines

MJM-DWR 10/13/16



Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgwick County



Kansas

Department of Agriculture
Division of Water Resources

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

Jackie McClaskey, Secretary
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Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov

Sam Brownback, Governor

October 13, 2016

Alan & Tamara Schlereth
10160 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

In the Northeast Quarter of the Northeast Quarter of the Southwest Quarter of Section 19, Township 29 South, Range 1 East, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed well. 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

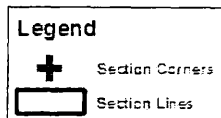
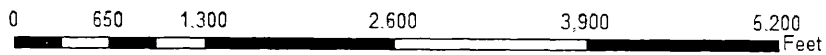
Stafford Field Office
300 S. Main Street
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David W. Barfield, Chief Engineer
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Sam Brownback, Governor



MJM-DWR 10/13/16

Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgwick County



Kansas

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

October 13, 2016

Ronald & Jacqueline Faelber
10212 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Sir or Madam:

This is to advise you that the Robert D Hay Trust has filed the application referred to above for a permit to appropriate 87.1 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 48,026 is one (1) well located as follows:

In the Northeast Quarter of the Northeast Quarter of the Southwest Quarter of Section 19, Township 29 South, Range 1 East, Sedgwick County, Kansas.

A map is enclosed indicating the location of the proposed well. 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

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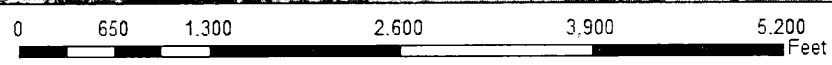
www.agriculture.ks.gov

Sam Brownback, Governor



1:12,000

2015 aerial



Legend

- + Section Corners
- Section Lines

MJM-DWR 10/13/16

Proposed Water Appropriation, File No. 48,026
19-29S-1E
Sedgwick County



October 18, 2016

Matt Meier
Environmental Scientist
Water Appropriations Program

Re: Pending Application, File No. 48,026

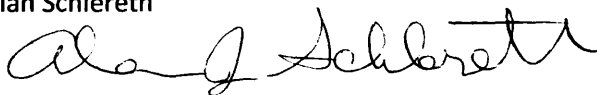
Stafford Field Office
300 S Main St
Stafford, KS 67578-1521

Dear Mr. Meier,

The above mentioned application concerns us greatly. We feel that a well pulling 800 gallons per minute will greatly affect our ground water supply and may put the water supply in our well at risk of being exhausted.

Sincerely,

Alan Schlereth



Tamara Schlereth



10160 S Meridian
Peck, KS 67120
316-516-7638

RECEIVED

OCT 24 2016

Stafford Field Office
Division of **SCANNED** Resources

Ronald Guest & Jacqueline Faelber
10212 S. Meridian St
Peck, KS 67120
316-524-2250

October 18th, 2016

Attn: Matt Meier
Kansas Department of Agriculture
Division of Water Resources
Stafford Field Office
300 S. Main St
Stafford, KS 67578-1521

Re: Objection to Pending Application, File No. 48,026

Dear Sir,

We are writing in response to the correspondence we received on October 15th, 2016 regarding the applicant's proposed diversion of groundwater affecting our property.

Whereas, the well water in this area is our only source of residential water, and, this irrigation well sought by the Robert D Hay Trust is for his and the trust's own personal financial gain, we protest the issuance of this irrigational permit.

As often times occur when residents' concerns and objections are overlooked, we reserve the right to sue for any and all costs associated with obtaining a new water supply and service should our well be depleted.

These damages will include both direct and punitive, and shall be made against both the Robert D Hay Trust and the Kansas Dept of Agriculture for issuance of said permit.

If you have any questions regarding this matter, please contact us in writing.

Sincerely,


Ronald Guest & Jacqueline Faelber

RECEIVED

OCT 20 2016

SCANNED

Stafford Field Office
Division of Water Resources

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

November 2, 2016

Ronald Guest & Jacqueline Faelber
10212 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Ronald and Jacqueline:

This will acknowledge receipt of your letter, received in this office on October 20, 2016 in which you expressed concerns regarding the proposed appropriation of groundwater by the Robert D Hay Trust under the above referenced application. The letter stated that you are concerned about the applicant's well possibly impacting your residential well and that you were against the issuance of the proposed irrigation permit. A copy of the letter has been added to the file. The application is proposing to appropriate groundwater for irrigation use.

We are in the process of thoroughly reviewing this pending application to ensure that it complies with the Kansas Water Appropriation Act and applicable rules and regulations. The Chief Engineer is required to approve applications for water appropriation unless the proposed appropriation will impair existing water rights or prejudicially and unreasonably affect the public interest. Impairment is indicated if existing water rights will experience an unreasonable lowering of the static water level.

The applicable rules and regulations (K.A.R. 5-4-4) require that new non-domestic wells must meet specific spacing guidelines based on the source of water supply in order to minimize the potential that existing water wells of any kind would be impaired. The source of water (aquifer) for this pending application appears to be Quaternary System deposits, based on the well log that was submitted and geologic maps/cross sections. This source of water requires a minimum well spacing of 660 feet from any existing domestic well. Based on the location of your existing domestic well, it appears to be approximately 2,400 feet from the proposed well, and the application complies with minimum well spacing criterion.

Additionally, the rules and regulations (K.A.R. 5-4-1) require the Chief Engineer to investigate any complaint that a prior right to the use of water is being impaired. If such impairment is found, the Chief Engineer must secure water to satisfy prior water rights. Therefore, if this permit application is approved by the Chief Engineer and you believe the diversion of water is impairing your water right, you should notify Jeff Lanterman, Water Commissioner, Stafford Field Office, as follows, so that an investigation can be made.

Division of Water Resources
Stafford Field Office
300 S Main Street
Stafford, Kansas 67578-1342
Telephone: 620-234-5311

If an applicant without cause fails to comply with the provisions of the permit and its terms, conditions and limitations, it could result in the forfeiture of the priority date, revocation of the permit and dismissal of the application. If you have any further questions, please contact me at 620-234-5311. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,



Matt Meier
New Application Unit
Water Appropriation Program

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

November 2, 2016

Alan & Tamara Schlereth
10160 S. Meridian
Peck, KS 67120

Re: Pending Application, File No. 48,026

Dear Alan and Tamara:

This will acknowledge receipt of your letter, received in this office on October 24, 2016 in which you expressed concerns regarding the proposed appropriation of groundwater by the Robert D Hay Trust under the above referenced application. Specifically, you mentioned concerns with the applicant's well possibly impacting your domestic well and the requested rate of diversion. A copy of the letter has been added to the file. The application is proposing to appropriate groundwater for irrigation use.

We are in the process of thoroughly reviewing this pending application to ensure that it complies with the Kansas Water Appropriation Act and applicable rules and regulations. The Chief Engineer is required to approve applications for water appropriation unless the proposed appropriation will impair existing water rights or prejudicially and unreasonably affect the public interest. Impairment is indicated if existing water rights will experience an unreasonable lowering of the static water level.


The applicable rules and regulations (K.A.R. 5-4-4) require that new non-domestic wells must meet specific spacing guidelines based on the source of water supply in order to minimize the potential that existing water wells of any kind would be impaired. The source of water (aquifer) for this pending application appears to be Quaternary System deposits, based on the well log that was submitted and geologic maps/cross sections. This source of water requires a minimum well spacing of 660 feet from any existing domestic well. Based on the location of your existing domestic well, it appears to be approximately 2,200 feet from the proposed well, and the application complies with minimum well spacing criterion.

Additionally, the rules and regulations (K.A.R. 5-4-1) require the Chief Engineer to investigate any complaint that a prior right to the use of water is being impaired. If such impairment is found, the Chief Engineer must secure water to satisfy prior water rights. Therefore, if this permit application is approved by the Chief Engineer and you believe the diversion of water is impairing your water right, you should notify Jeff Lanterman, Water Commissioner, Stafford Field Office, as follows, so that an investigation can be made.

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Sincerely,



Matt Meier
New Application Unit
Water Appropriation Program

SCANNED

pc:

Draft

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

MEMORANDUM

TO: Files

DATE: January 4, 2017

FROM: Matt Meier

RE: Application, File No. 48,026

The Robert D Hay Trust has filed the referenced application to appropriate groundwater for irrigation use, requesting one (1) well, a quantity of 87.1 acre-feet, and a diversion rate of 800 gallons per minute. The well is to be located in the Northeast Quarter of the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 19, more particularly described as being near a point 2,450 feet North and 2,670 feet West of the Southeast corner of said section, in Township 29 South, Range 1 East, Sedgwick County, within the Ninnescah River drainage basin. Water Right, File No. 28,971 overlaps the proposed place of use. The proposed place of use is owned by Robert D. Hay. The applicant has signed the application form stating that he has legal access to the point of diversion. The requested place of use and point of diversion were modified during the processing of the application to meet safe yield and form a complete place of use overlap with the senior water right. Water Right, File No. 28,971 has a pending place of use change to form a complete overlap with the new application and cover currently illegal irrigated acres.

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 8,042 acres. With a potential annual recharge of 5.4 inches, and 75% of recharge available for appropriation, safe yield was determined to be 2,714.18 acre-feet. Existing water rights have appropriated 2536.45 acre-feet, providing a difference of 177.73 acre-feet available for appropriation, and the application requesting 87.1 acre-feet complies with safe yield.

A well hole log was obtained for well authorized under File No. 28,971 (which they application originally overlapped point of diversion with), which shows clay from 0 to 12 feet, sandy clay from 12 to 25 feet, medium to coarse sand and gravel from 25 to 56 feet, clay from 56 to 58 feet, and fine to coarse sand from 58 to 75 feet below ground. The static water level was listed at 29 feet which provides a saturated thickness of 46 feet.

The requested quantity of water, 87.1 acre-feet, is to irrigate the proposed 114 acres identified in the application. When combined with Water Right, File No. 28,971 the combined quantity authorized on the proposed place of use is 119.1 acre-feet. This comes out to be 1.05 acre-feet per acre, which is less than the maximum allowable of 1.3 acre-feet per acre for Sedgwick County, Kansas but equals the minimum reasonable acre-feet per acre of 1.05. 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 7 domestic wells and 1 non-domestic well (which the applicant owns) within ½ mile of the proposed point of diversion. Nearby notification letters were sent out on October 12, 2016. Phone calls were received from James Bise and Ronal Boyer to obtain more information on the proposed application. Letters were received from Alan & Tamara Schlereth, Ronal Guest, & Jaqueline Faelber. The nearest non-domestic point of diversion (File No. 28,971) is located 1,351 feet away. The nearest domestic well is approximately 2,000 feet away based on the supplied map. 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

1/11/16

*Concur w/ Recommendation Approve it
J.R. W.L.*

APPLICATION NUMBER: 48026

Assigned to Field Office for Processing

Assigned to Field Office: FO2

Date: 7/31/2013

Near Oxy site

=====
 Analysis Results

The selected PD is in an area to new appropriations.
 The safe yield, based on the variables listed below is 2,714.18 AF.
 Total prior appropriation in the circle is 2,955.87 AF.
 Total quantity of water available for appropriation is 0.00 AF.

Safe Yield Variables

The area used for the analysis is set at 8,042 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 03-MAR-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 25 water right(s) and 30 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 4758	00	IRR	NK	G		SW	NW	NE	0	0	26	29	01W	1	WR	236.00	236.00	160.00	160.00		
A 6046	00	IRR	NK	G		NC	E2	SE	1289	660	30	29	01E	4	WR	125.00	125.00	155.00	155.00		
A 18631	00	IRR	NK	G		SW	NE	NE	4025	1270	30	29	01E	5	WR	117.00	117.00	80.00	80.00		
A 20241	00	IRR	NK	G			NC	SW	1320	4030	13	29	01W	1	WR	77.00	77.00	138.00	138.00		
A 21419	00	MUN	NK	G			NE	NE	NW	5190	2700	26	29	01W	4	PD	108.80	8.42			
A 22201	00	IRR	NK	G			NE	SW	NW	3550	4200	21	29	01E	3	WR	17.65	17.65	27.00	27.00	
A 26694	00	IRR	NK	G			SE	SW	SE	100	1560	13	29	01W	2	WR	146.00	146.00	140.00	140.00	
A 27685	00	IRR	NK	G				NC	NW	3960	3950	24	29	01W	1	WR	178.00	178.00	138.00	138.00	
A 28941	00	IRR	NK	G				NC	NW	3960	3950	24	29	01W	1	WR	29.00	29.00	138.00	0.00	
A 28942	00	IRR	NK	G				NC	SW	1320	4030	13	29	01W	1	WR	110.00	110.00	138.00	0.00	
A 28971	00	IRR	NK	G			NC	E2	SW	1320	3320	19	29	01E	1	WR	32.00	32.00	115.00	115.00	
A 29451	00	IRR	NK	G				NC	SW	1320	3960	30	29	01E	3	WR	192.00	192.00	128.00	128.00	
A 31437	00	IRR	NK	G				NC	NE	3960	1260	31	29	01E	1	WR	195.00	195.00	136.00	136.00	
Same		IRR	NK	G				NC	NE	3960	1720	31	29	01E	2	WR					
A 31438	00	IRR	NK	G				NE	NE	NE	4660	90	25	29	01W	6	WR	100.00	100.00	137.50	137.50
A *34031	00	IRR	NK	G				SW	NW	SW	1970	5140	35	29	01E	8	WR	135.00	135.00	90.00	90.00
A 35151	00	IRR	NK	G				NW	SE	NW	3910	3955	25	29	01W	4	WR	122.00	122.00	95.00	95.00
A 35951	00	IRR	NK	G				NC	SE	1320	1320	26	29	01W	6	WR	195.00	195.00	160.00	160.00	

A	37215	00	IRR	NK	G	SE	NW	SW	1620	4000	29	29	01E	1	WR	94.00	94.00	132.00	132.00
A	37368	00	IRR	NK	G		NC	SW	1320	4000	29	29	01E	2	WR	99.00	99.00	132.00	0.00
A	37965	00	IRR	NK	G	SE	NW	SE	1330	1330	25	29	01W	5	WR	160.00	160.00	106.50	106.50
A	38085	00	IRR	NK	G	NC	E2	SE	1289	660	30	29	01E	4	WR	100.00	100.00	155.00	0.00
A	38222	00	IRR	NK	G	NE	NE	NE	4660	90	25	29	01W	6	WR	195.00	95.00	137.50	0.00
A	40658	00	IRR	NK	G	SW	NW	SE	1653	2220	18	29	01E	9	WR	213.00	213.00	143.00	143.00
Same			IRR	NK	G	SW	NW	SE	1550	2460	18	29	01E	13	WR				
Same			IRR	NK	G	SW	NW	SE	1453	2620	18	29	01E	12	WR				
Same			IRR	NK	G	SW	NW	SE	1653	2620	18	29	01E	11	WR				
Same			IRR	NK	G	SW	NW	SE	1653	2420	18	29	01E	10	WR				
A	44285	00	REC	NK	G	SW	SW	SW	653	4831	21	29	01E	5	WR	3.00	3.00		
A	47535	00	IRR	GY	G	SW	SW	NE	3000	2350	13	29	01W	3	WR	176.80	176.80	136.00	136.00
Same			IRR	GY	G	SW	SW	NE	2800	2150	13	29	01W	4	WR				
Same			IRR	GY	G	SW	SW	NE	3200	2550	13	29	01W	5	WR				
Same			IRR	GY	G	SW	SW	NE	3200	2150	13	29	01W	6	WR				
Same			IRR	GY	G	SW	SW	NE	2800	2550	13	29	01W	7	WR				

=====

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 48026 00

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 48026 00 IRR

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

1320 Feet North and 3320 Feet West of the Southeast Corner of Section 19 T 29S R 1E

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__ 4758	00	IRR	NK	G	9750	--	SW	NW	NE	-----	26	29	1W	1		236.00	236.00	AF
A__ 6046	00	IRR	NK	G	5961	--	NC	E2	SE	1289	660	30	29	1E	4	125.00	125.00	AF
A__ 18631	00	IRR	NK	G	3282	--	SW	NE	NE	4025	1270	30	29	1E	5	117.00	117.00	AF
A__ 20241	00	IRR	NK	G	7993	--	--	NC	SW	1320	4030	13	29	1W	1	77.00	77.00	AF
A__ 21419	00	MUN	NK	G	9868	--	NE	NE	NW	5190	2700	26	29	1W	4	108.80	8.42	AF
A__ 22201	00	IRR	NK	G	9782	--	NE	SW	NW	3550	4200	21	29	1E	3	17.65	17.65	AF
A__ 26694	00	IRR	NK	G	5385	--	SE	SW	SE	100	1560	13	29	1W	2	146.00	146.00	AF
A__ 27685	00	IRR	NK	G	6386	--	--	NC	NW	3960	3950	24	29	1W	1	178.00	178.00	AF
A__ 28941	00	IRR	NK	G	6386	--	--	NC	NW	3960	3950	24	29	1W	1	29.00	29.00	AF
A__ 28942	00	IRR	NK	G	7993	--	--	NC	SW	1320	4030	13	29	1W	1	110.00	110.00	AF
A__ 28971	00	IRR	NK	G	0	--	NC	E2	SW	1320	3320	19	29	1E	1	32.00	32.00	AF
A__ 29451	00	IRR	NK	G	5421	--	--	NC	SW	1320	3960	30	29	1E	3	192.00	192.00	AF
A__ 31437	00	IRR	NK	G	8312	--	--	NC	NE	3960	1260	31	29	1E	1	195.00	195.00	AF
Same					8196	--	--	NC	NE	3960	1720	31	29	1E	2			
A__ 31438	00	IRR	NK	G	2695	--	NE	NE	NE	4660	90	25	29	1W	6	100.00	100.00	AF
A__ 35151	00	IRR	NK	G	6347	--	NW	SE	NW	3910	3955	25	29	1W	4	122.00	122.00	AF
A__ 35951	00	IRR	NK	G	9940	--	--	NC	SE	1320	1320	26	29	1W	6	195.00	195.00	AF
A__ 37215	00	IRR	NK	G	6756	--	SE	NW	SW	1620	4000	29	29	1E	1	94.00	94.00	AF
A__ 37368	00	IRR	NK	G	6979	--	--	NC	SW	1320	4000	29	29	1E	2	99.00	99.00	AF
A__ 37965	00	IRR	NK	G	6114	--	SE	NW	SE	1330	1330	25	29	1W	5	160.00	160.00	AF
A__ 38085	00	IRR	NK	G	5961	--	NC	E2	SE	1289	660	30	29	1E	4	100.00	100.00	AF
✓ A__ 38222	00	IRR	NK	G	2695	--	NE	NE	NE	4660	90	25	29	1W	6	195.00	95.00	AF
A__ 40658	00	IRR	NK	G	5639	--	SW	NW	SE	1550	2460	18	29	1E	13 G 4	213.00	213.00	AF
Same					5785	--	SW	NW	SE	1653	2220	18	29	1E	9 B 4			
Same					5748	--	SW	NW	SE	1653	2420	18	29	1E	10 B 4			
Same					5716	--	SW	NW	SE	1653	2620	18	29	1E	11 B 4			
Same					5518	--	SW	NW	SE	1453	2620	18	29	1E	12 B 4			
A__ 44285	00	REC	NK	G	8962	--	SW	SW	SW	653	4831	21	29	1E	5	3.00	3.00	AF
A__ 47535	00	IRR	GY	G	8201	--	SW	SW	NE	3000	2350	13	29	1W	3 G 4	176.80	176.80	AF
Same					7927	--	SW	SW	NE	2800	2150	13	29	1W	4 B 4			
Same					8477	--	SW	SW	NE	3200	2550	13	29	1W	5 B 4			
Same					8272	--	SW	SW	NE	3200	2150	13	29	1W	6 B 4			
Same					8140	--	SW	SW	NE	2800	2550	13	29	1W	7 B 4			
A__ 48026	00	IRR	AY	G	0	--	NC	E2	SW	1320	3320	19	29	1E	1	87.10	87.10	AF
A__ 49535	00	IRR	AY	G	9722	--	--	--	SW	3960	3960	36	29	1W	2	168.00	168.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	255.10	.00
Total Permitted Amount (AF) =	176.80	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2644.07	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3075.97	.00

An * after the source of supply indicates a pending application for change under the file number.
An * after the ID indicates a 15 AF exemption was granted under 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:

1320 Feet North and 3320 Feet West of the Southeast Corner of Section 19 T 29S R 1E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

=====

File Number Use ST SR

A__ 4758 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

>-----

A__ 6046 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

>-----

A__ 18631 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

>-----

A__ 20241 00 IRR NK G

> ROBERT D HAY TRUST

>

> 9171 S WEST ST

> HAYSVILLE KS 67060

>-----

A__ 21419 00 MUN NK G

> CITY OF CLEARWATER

>

> PO BOX 453

> CLEARWATER KS 67026

>-----

A__ 22201 00 IRR NK G

> CAROLYN S MCMILLAN

>

> 9750 S BROADWAY ST

> PECK KS 67120

>-----

A__ 26694 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

>-----
A__ 27685 00 IRR NK G
> THOMAS G & FLORENCE A BERGKAMP
>
> 8231 W 55TH ST S
> CLEARWATER KS 67026
>-----

A__ 28941 00 IRR NK G
> THOMAS G & FLORENCE A BERGKAMP
>
> 8231 W 55TH ST S
> CLEARWATER KS 67026
>-----

A__ 28942 00 IRR NK G
> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060
>-----

A__ 28971 00 IRR NK G
> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060
>-----

A__ 29451 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120
>-----

A__ 31437 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120
>-----

A__ 31438 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120
>-----

A__ 35151 00 IRR NK G
> DOROTHY LEIS
>
> 3505 W MACARTHUR RD
> WICHITA KS 67217
>-----

A__ 35951 00 IRR NK G
> FORREST G BUTTS
>

> 205 S CENTRAL AVE
> MULVANE KS 67110

A__ 37215 00 IRR NK G
> K C D D INC
> CARLA CALVERT-PRES
> 10821 S SENECA ST
> PECK KS 67120

A__ 37368 00 IRR NK G
> K C D D INC
> CARLA CALVERT-PRES
> 10821 S SENECA ST
> PECK KS 67120

A__ 37965 00 IRR NK G
> FORREST G BUTTS
>
> 205 S CENTRAL AVE
> MULVANE KS 67110

A__ 38085 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120

A__ 38222 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120

A__ 40658 00 IRR NK G
> JOHN E DUGAN FAMILY PARTNERSHIP LP
>
> 15810 W 47TH ST SOUTH
> CLEARWATER KS 67026

A__ 44285 00 REC NK G
> WILLIAM M EMERSON
>
> 10216 S BROADWAY ST
> PECK KS 67120

A__ 47535 00 IRR GY G
> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 48026 00 IRR AY G

> ROBERT D HAY TRUST

>

> 9171 S WEST ST

> HAYSVILLE KS 67060

>-----

A__ 49535 00 IRR AY G

> CAROL S HUNT

>

> 11205 GRANDVIEW DR

> OVERLAND PARK KS 66210

>-----

=====

#####

ORDER FROM....

TRUCK PARTS & EQUIPMENT INC.



WICHITA 1-800-362-2600
HAYS BRANCH 1-866-783-0155
TOPEKA BRANCH 1-888-374-5353
POWER DRIVE DIVISION 1-800-362-2680



I Purchased This
Farm WR 28971[#]

This Fall.

Robert O Hay

12-21-11

WATER RESOURCES
RECEIVED

DEC 23 2011

KS DEPT OF AGRICULTURE

TRUCK PARTS SERVICE CENTER
ELDORADO, KS
1-800-325-5134

SCANNED

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

RECEIVED

DEC 22 2011

Stafford Field Office
Division of Water Resources

WATER RESOURCES
RECEIVED

DEC 23 2011

KS DEPT OF AGRICULTURE

SCANNEL


Kansas
Department of Agriculture
Division of Water Resources

109 SW 9th Street, 2nd Floor
Topeka, Kansas 66612-1283

phone: (785) 296-3717
fax: (785) 296-1176
www.ksda.gov/dwr

Dale A. Rodman, Secretary
David W. Barfield, Chief Engineer

Sam Brownback, Governor

December 29, 2011

ROBERT D HAY TRUST
9171 S WEST ST
HAYSVILLE KS 67060

RE: Application
File No. 48026

Dear Sir or Madam:

Your application for permit to appropriate water in 19-29-1E, in Sedgwick County, was received and has been assigned the file number noted above.

In order to be fair to all concerned, it is our policy to process applications in the order they are received. 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 our office. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,



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

BAT:arh
pc: STAFFORD Field Office

SCANNED

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

2450 ft N and 2670 ft W of the SE Corner of Section 19, T 29S, R 1E

Located at: 97.360691 West Longitude and 37.512954 North Latitude

GROUNDWATER ONLY

#48026
meets spacing

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 6046	00	IRR	NK	G	6803	--	NC	E2	SE	1289	660	30	29	1E	4	125.00	125.00	AF	
A__ 18631	00	IRR	NK	G	4010	--	SW	NE	NE	4025	1270	30	29	1E	5	117.00	117.00	AF	
A__ 20241	00	IRR	NK	G	7804	--	--	NC	SW	1320	4030	13	29	1W	1	77.00	77.00	AF	
A__ 22201	00	IRR	NK	G	8988	--	NE	SW	NW	3550	4200	21	29	1E	3	17.65	17.65	AF	
A__ 26694	00	IRR	NK	G	5072	--	SE	SW	SE	100	1560	13	29	1W	2	146.00	146.00	AF	
A__ 27685	00	IRR	NK	G	6603	--	--	NC	NW	3960	3950	24	29	1W	1	178.00	178.00	AF	
A__ 28941	00	IRR	NK	G	6603	--	--	NC	NW	3960	3950	24	29	1W	1	29.00	29.00	AF	
A__ 28942	00	IRR	NK	G	7804	--	--	NC	SW	1320	4030	13	29	1W	1	110.00	110.00	AF	
A__ 28971	00	IRR	NK	G*	1289	--	NC	E2	SW	1320	3320	19	29	1E	1	32.00	32.00	AF	
A__ 29451	00	IRR	NK	G	6644	--	--	NC	SW	1320	3960	30	29	1E	3	192.00	192.00	AF	
A__ 31437	00	IRR	NK	G	9272	--	--	NC	NE	3960	1260	31	29	1E	1	195.00	195.00	AF	
Same					9200	--	--	NC	NE	3960	1720	31	29	1E	2				
A__ 31438	00	IRR	NK	G	3952	--	NE	NE	NE	4660	90	25	29	1W	6	100.00	100.00	AF	
A__ 35151	00	IRR	NK	G	7425	--	NW	SE	NW	3910	3955	25	29	1W	4	122.00	122.00	AF	
A__ 37215	00	IRR	NK	G	7286	--	SE	NW	SW	1620	4000	29	29	1E	1	94.00	94.00	AF	
A__ 37368	00	IRR	NK	G	7538	--	--	NC	SW	1320	4000	29	29	1E	2	99.00	99.00	AF	
A__ 37965	00	IRR	NK	G	7402	--	SE	NW	SE	1330	1330	25	29	1W	5	160.00	160.00	AF	
A__ 38085	00	IRR	NK	G	6803	--	NC	E2	SE	1289	660	30	29	1E	4	100.00	100.00	AF	
A__ 38222	00	IRR	NK	G	3952	--	NE	NE	NE	4660	90	25	29	1W	6	195.00	95.00	AF	
A__ 40128	00	IRR	NK	G	10439	--	NE	NW	SW	2258	3977	16	29	1E	3	20.00	20.00	AF	
A__ 40658	00	IRR	NK	G	4440	--	SW	NW	SE	1550	2460	18	29	1E	13 G	4	213.00	213.00	AF
Same					4567	--	SW	NW	SE	1653	2220	18	29	1E	9 B	4			
Same					4546	--	SW	NW	SE	1653	2420	18	29	1E	10 B	4			
Same					4534	--	SW	NW	SE	1653	2620	18	29	1E	11 B	4			
Same					4334	--	SW	NW	SE	1453	2620	18	29	1E	12 B	4			
A__ 44285	00	REC	NK	G	8525	--	SW	SW	SW	653	4831	21	29	1E	5	3.00	3.00	AF	
A__ 47535	00	IRR	GY	G	7838	--	SE	SE	NW	3000	2650	13	29	1W	8 G	4	176.80	176.80	AF
Same					7555	--	SW	SW	NE	2800	2450	13	29	1W	9 B	4			
Same					8120	--	SE	SE	NW	3200	2850	13	29	1W	10 B	4			
Same					7859	--	SW	SW	NE	3200	2450	13	29	1W	11 B	4			
Same					7826	--	SE	SE	NW	2800	2850	13	29	1W	12 B	4			
A__ 48026	00	IRR	AY	G	1289	--	NC	E2	SW	1320	3320	19	29	1E	1	87.10	87.10	AF	
A__ 49735	00	IRR	AY	G	7844	--	--	NE		3960	1320	13	29	1W	13	169.00	169.00	AF	

also on map p. 11

based on actual well location from 2015 field notes

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	256.10	.00
Total Permitted Amount (AF) =	176.80	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2224.65	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2657.55	.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:

97.360691 West Longitude and 37.512954 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

=====

File Number Use ST SR

A__ 6046 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

A__ 18631 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

A__ 20241 00 IRR NK G

> ROBERT D HAY TRUST

>

> 9171 S WEST ST

> HAYSVILLE KS 67060

A__ 22201 00 IRR NK G

> CAROLYN S MCMILLAN

>

> 9750 S BROADWAY ST

> PECK KS 67120

A__ 26694 00 IRR NK G

> CHARLES J OTT

>

> 10821 S SENECA ST

> PECK KS 67120

A__ 27685 00 IRR NK G

> THOMAS G & FLORENCE A BERGKAMP

>

> 8231 W 55TH ST S

> CLEARWATER KS 67026

A__ 28941 00 IRR NK G

> THOMAS G & FLORENCE A BERGKAMP

>

> 8231 W 55TH ST S

> CLEARWATER KS 67026

A__ 28942 00 IRR NK G

> ROBERT D HAY TRUST

>

> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 28971 00 IRR NK G
> ROBERT D HAY TRUST

>
> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 29451 00 IRR NK G
> CHARLES J OTT

>
> 10821 S SENECA ST
> PECK KS 67120

A__ 31437 00 IRR NK G
> CHARLES J OTT

>
> 10821 S SENECA ST
> PECK KS 67120

A__ 31438 00 IRR NK G
> CHARLES J OTT

>
> 10821 S SENECA ST
> PECK KS 67120

A__ 35151 00 IRR NK G
> DOROTHY LEIS

>
> 3505 W MACARTHUR RD
> WICHITA KS 67217

A__ 37215 00 IRR NK G
> K C D D INC

> CARLA CALVERT-PRES
> 10821 S SENECA ST
> PECK KS 67120

A__ 37368 00 IRR NK G
> K C D D INC

> CARLA CALVERT-PRES
> 10821 S SENECA ST
> PECK KS 67120

A__ 37965 00 IRR NK G
> FORREST G BUTTS

>
> 205 S CENTRAL AVE
> MULVANE KS 67110

A__ 38085 00 IRR NK G

> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120

A__ 38222 00 IRR NK G
> CHARLES J OTT
>
> 10821 S SENECA ST
> PECK KS 67120

A__ 40128 00 IRR NK G
> PRAIRIE POLO INC
> JACK SHELTON
> 8100 E 22ND ST N BLDG 200
> WICHITA KS 67226

A__ 40658 00 IRR NK G
> JOHN E DUGAN FAMILY PARTNERSHIP LP
>
> 15810 W 47TH ST SOUTH
> CLEARWATER KS 67026

A__ 44285 00 REC NK G
> WILLIAM M EMERSON
>
> 10216 S BROADWAY ST
> PECK KS 67120

A__ 47535 00 IRR GY G
> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 48026 00 IRR AY G
> ROBERT D HAY TRUST
>
> 9171 S WEST ST
> HAYSVILLE KS 67060

A__ 49735 00 IRR AY G
> JOHN E DUGAN FAMILY PARTNERSHIP LP
>
> 15810 W 47TH ST SOUTH
> CLEARWATER KS 67026

=====

Analysis Results

The selected PD is in an area to new appropriations.

The safe yield, based on the variables listed below is 2,714.18 AF.

Total prior appropriation in the circle is 2,623.55 AF.

Total quantity of water available for appropriation is 90.63 AF.

- 2536.45 = 177.73 available

#48,026

meets S.Y.

Safe Yield Variables

The area used for the analysis is set at 8,042 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 23-JUN-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.

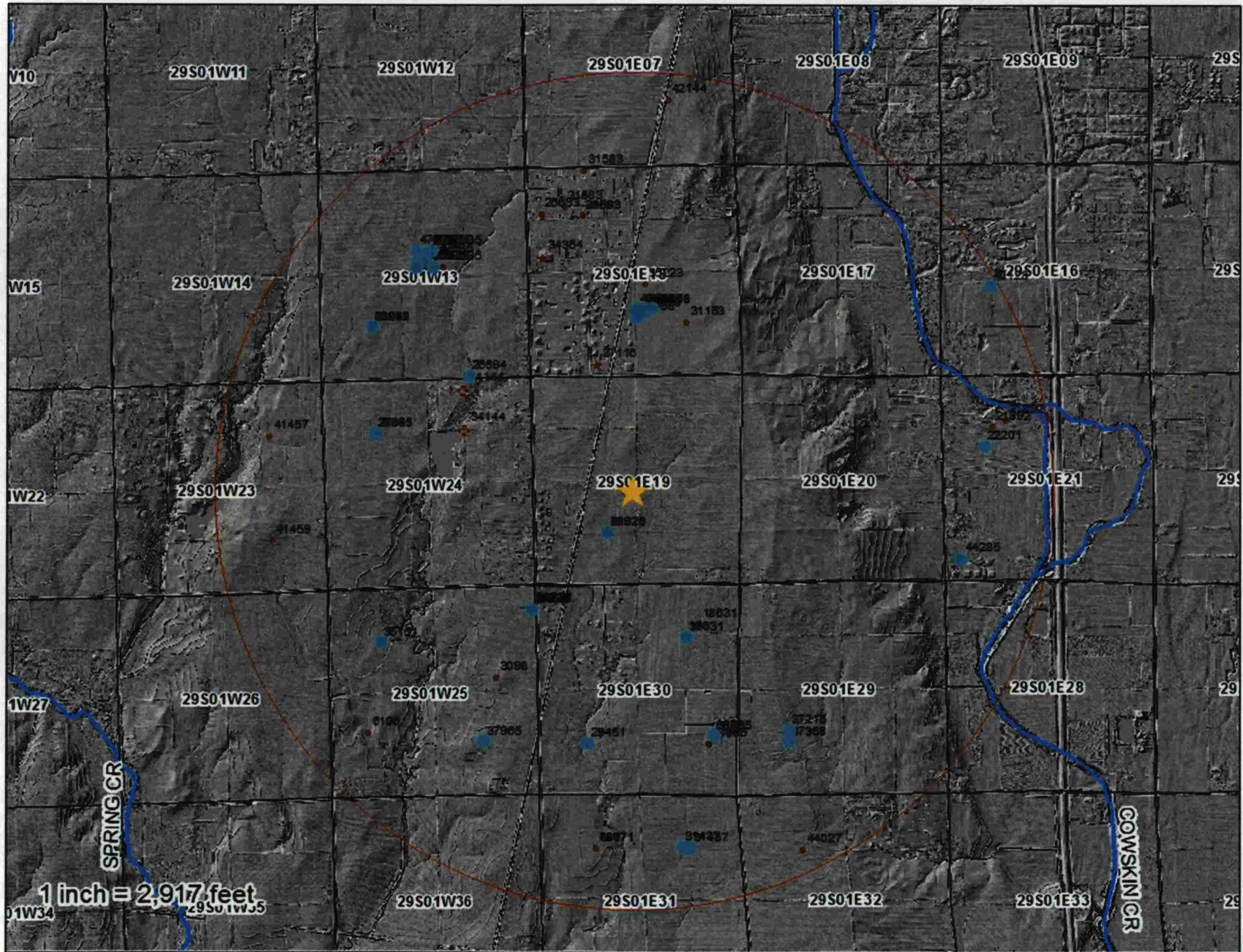
There are 24 water right(s) and 28 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth_Quant	Add_Quant	Tacres	Nacres
A 6046	00	IRR	NK	G		NC E2	SE	1289	660	30	29	01E	4	WR	125.00	125.00	155.00	155.00
A 18631	00	IRR	NK	G		SW NE	NE	4025	1270	30	29	01E	5	WR	117.00	117.00	80.00	80.00
A 20241	00	IRR	NK	G		NC SW		1320	4030	13	29	01W	1	WR	77.00	77.00	138.00	138.00
A 22201	00	IRR	NK	G		NE SW	NW	3550	4200	21	29	01E	3	WR	17.65	17.65	27.00	27.00
A 26694	00	IRR	NK	G		SE SW	SE	100	1560	13	29	01W	2	WR	146.00	146.00	140.00	140.00
A 27685	00	IRR	NK	G		NC NW		3960	3950	24	29	01W	1	WR	178.00	178.00	138.00	138.00
A 28941	00	IRR	NK	G		NC NW		3960	3950	24	29	01W	1	WR	29.00	29.00	138.00	0.00
A 28942	00	IRR	NK	G		NC SW		1320	4030	13	29	01W	1	WR	110.00	110.00	138.00	0.00
A 28971	00	IRR	NK	G		NC E2	SW	1320	3320	19	29	01E	1	WR	32.00	32.00	115.00	115.00
A 29451	00	IRR	NK	G		NC SW		1320	3960	30	29	01E	3	WR	192.00	192.00	128.00	128.00
A 31437	00	IRR	NK	G		NC NE		3960	1260	31	29	01E	1	WR	195.00	195.00	136.00	136.00
Same		IRR	NK	G		NC NE		3960	1720	31	29	01E	2	WR				
A 31438	00	IRR	NK	G		NE NE	NE	4660	90	25	29	01W	6	WR	100.00	100.00	137.50	137.50
A 34031	00	IRR	NK	G		SW NW	SW	1970	5140	35	29	01E	8	WR	135.00	135.00	90.00	90.00
A 35151	00	IRR	NK	G		NW SE	NW	3910	3955	25	29	01W	4	WR	122.00	122.00	95.00	95.00
A 37215	00	IRR	NK	G		SE NW	SW	1620	4000	29	29	01E	1	WR	94.00	94.00	132.00	132.00
A 37368	00	IRR	NK	G		NC SW		1320	4000	29	29	01E	2	WR	99.00	99.00	132.00	0.00
A 37965	00	IRR	NK	G		SE NW	SE	1330	1330	25	29	01W	5	WR	160.00	160.00	106.50	106.50
A 38085	00	IRR	NK	G		NC E2	SE	1289	660	30	29	01E	4	WR	100.00	100.00	155.00	0.00
A 38222	00	IRR	NK	G		NE NE	NE	4660	90	25	29	01W	6	WR	195.00	95.00	137.50	0.00
A 40128	00	IRR	NK	G		NE NW	SW	2258	3977	16	29	01E	3	WR	20.00	20.00	31.80	31.80
A 40658	00	IRR	NK	G		SW NW	SE	1653	2220	18	29	01E	9	WR	213.00	213.00	143.00	143.00
Same		IRR	NK	G		SW NW	SE	1550	2460	18	29	01E	13	WR				
Same		IRR	NK	G		SW NW	SE	1453	2620	18	29	01E	12	WR				
Same		IRR	NK	G		SW NW	SE	1653	2620	18	29	01E	11	WR				
Same		IRR	NK	G		SW NW	SE	1653	2420	18	29	01E	10	WR				
A 44285	00	REC	NK	G		SW SW	SW	653	4831	21	29	01E	5	WR	3.00	3.00		
A 47535	00	IRR	GY	G		SE SE	NW	3000	2650	13	29	01W	8	WR	176.80	176.80	146.00	146.00
Same		IRR	GY	G		SW SW	NE	2800	2450	13	29	01W	9	WR				
Same		IRR	GY	G		SE SE	NW	3200	2850	13	29	01W	10	WR				
Same		IRR	GY	G		SW SW	NE	3200	2450	13	29	01W	11	WR				
Same		IRR	GY	G		SE SE	NW	2800	2850	13	29	01W	12	WR				
A 48026	00	IRR	AY	G		NC E2	SW	1320	3320	19	29	01E	1	WR	87.10	87.10	67.00	0.00

2536.45

Pending

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in NENENESW 19-29S-01E



47305

Analysis Results

The selected PD is in an area to new appropriations.
 The safe yield, based on the variables listed below is 2,714.18 AF.
 Total prior appropriation in the circle is 3,042.97 AF.
 Total quantity of water available for appropriation is 0.00 AF.

$-2955.87 = -241.69$ over

Fails SK #48,026

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.
 Potential annual recharge of the area is estimated to be 5.4 inches.
 The percent of recharge available for appropriation is 75%.

VOLP Old P.P.

Authorized Quantity values are as of 15-APR-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.

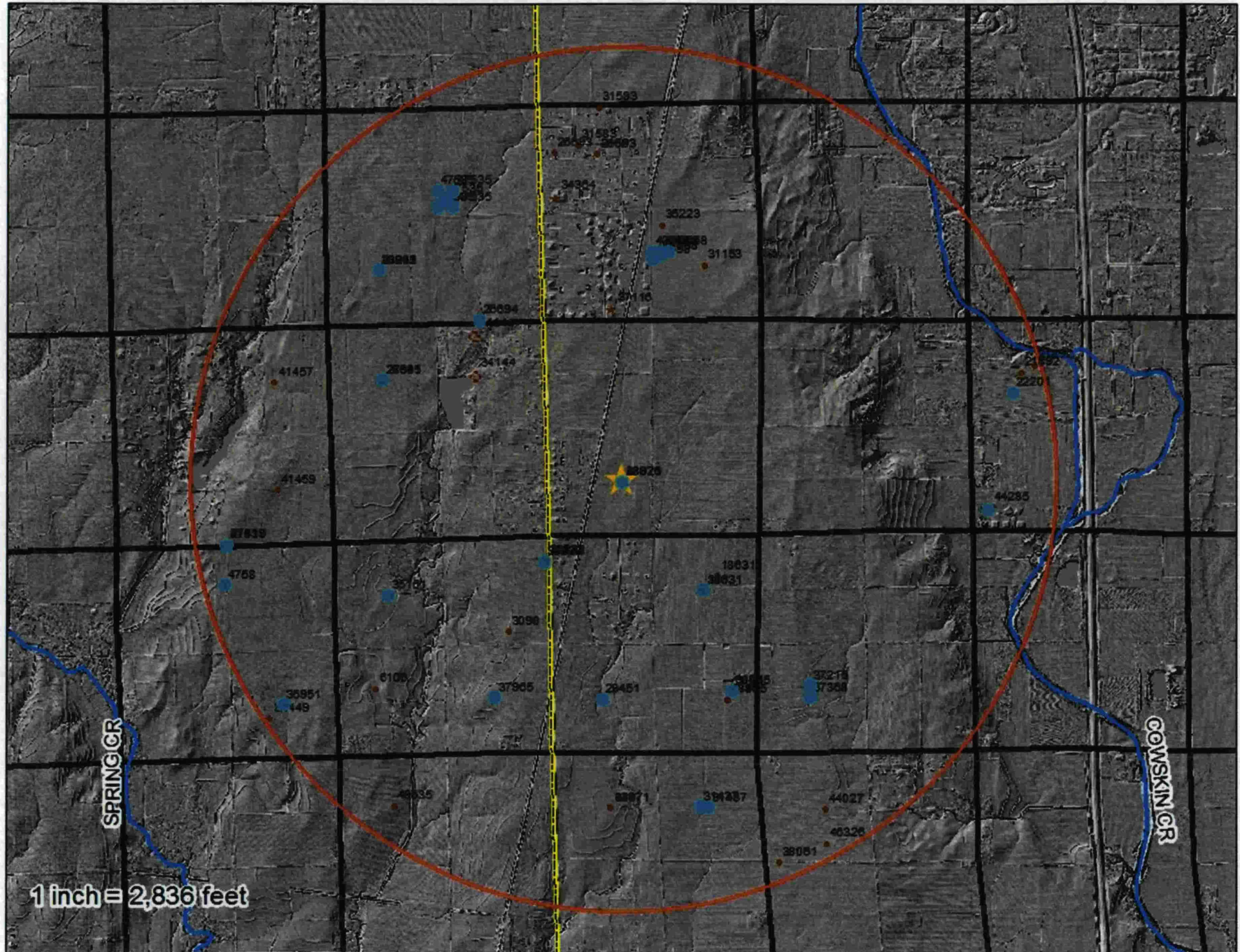
There are 26 water right(s) and 30 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth	Quant	Add	Quant	Tacres	Nacres
A	4758	00	IRR	NK	G	SW	NW	NE	0	0	25	29	01W	1	WR	236.00	236.00	160.00	160.00	
A	6046	00	IRR	NK	G	NC	E2	SE	1289	660	30	29	01E	4	WR	125.00	125.00	155.00	155.00	
A	18631	00	IRR	NK	G	SW	NE	NE	4025	1270	30	29	01E	5	WR	117.00	117.00	80.00	80.00	
A	20241	00	IRR	NK	G	NC	SW		1320	4030	13	29	01W	1	WR	77.00	77.00	138.00	138.00	
A	21419	00	MUN	NK	G	NE	NE	NW	5190	2700	26	29	01W	4	PD	108.80	8.42			
A	22201	00	IRR	NK	G	NE	SW	NW	3550	4200	21	29	01E	3	WR	17.65	17.65	27.00	27.00	
A	26694	00	IRR	NK	G	SE	SW	SE	100	1560	13	29	01W	2	WR	146.00	146.00	140.00	140.00	
A	27685	00	IRR	NK	G	NC	NW		3960	3950	24	29	01W	1	WR	178.00	178.00	138.00	138.00	
A	28941	00	IRR	NK	G	NC	NW		3960	3950	24	29	01W	1	WR	29.00	29.00	138.00	0.00	
A	28942	00	IRR	NK	G	NC	SW		1320	4030	13	29	01W	1	WR	110.00	110.00	138.00	0.00	
A	28971	00	IRR	NK	G	NC	E2	SW	1320	3320	19	29	01E	1	WR	32.00	32.00	115.00	115.00	
A	29451	00	IRR	NK	G	NC	SW		1320	3960	30	29	01E	3	WR	192.00	192.00	128.00	128.00	
A	31437	00	IRR	NK	G	NC	NE		3960	1260	31	29	01E	1	WR	195.00	195.00	136.00	136.00	
Same			IRR	NK	G	NC	NE		3960	1720	31	29	01E	2	WR					
A	31438	00	IRR	NK	G	NE	NE	NE	4660	90	25	29	01W	6	WR	100.00	100.00	137.50	137.50	
A	34031	00	IRR	NK	G	SW	NW	SW	1970	5140	35	29	01E	8	WR	135.00	135.00	90.00	90.00	
A	35151	00	IRR	NK	G	NW	SE	NW	3910	3955	25	29	01W	4	WR	122.00	122.00	95.00	95.00	
A	35951	00	IRR	NK	G	NC	SE		1320	1320	26	29	01W	6	WR	195.00	195.00	160.00	160.00	
A	37215	00	IRR	NK	G	SE	NW	SW	1620	4000	29	29	01E	1	WR	94.00	94.00	132.00	132.00	
A	37368	00	IRR	NK	G	NC	SW		1320	4000	29	29	01E	2	WR	99.00	99.00	132.00	0.00	
A	37965	00	IRR	NK	G	SE	NW	SE	1330	1330	25	29	01W	5	WR	160.00	160.00	106.50	106.50	
A	38085	00	IRR	NK	G	NC	E2	SE	1289	660	30	29	01E	4	WR	100.00	100.00	155.00	0.00	
A	38222	00	IRR	NK	G	NE	NE	NE	4660	90	25	29	01W	6	WR	195.00	95.00	137.50	0.00	
A	40658	00	IRR	NK	G	SW	NW	SE	1653	2220	18	29	01E	9	WR	213.00	213.00	143.00	143.00	
Same			IRR	NK	G	SW	NW	SE	1550	2460	18	29	01E	13	WR					
Same			IRR	NK	G	SW	NW	SE	1453	2620	18	29	01E	12	WR					
Same			IRR	NK	G	SW	NW	SE	1653	2620	18	29	01E	11	WR					
Same			IRR	NK	G	SW	NW	SE	1653	2420	18	29	01E	10	WR					
A	44285	00	REC	NK	G	SW	SW	SW	653	4831	21	29	01E	5	WR	3.00	3.00			
A	47535	00	IRR	GY	G	SW	SW	NE	3000	2350	13	29	01W	3	WR	176.80	176.80	136.00	136.00	
Same			IRR	GY	G	SW	SW	NE	2800	2150	13	29	01W	4	WR					
Same			IRR	GY	G	SW	SW	NE	3200	2550	13	29	01W	5	WR					
Same			IRR	GY	G	SW	SW	NE	3200	2150	13	29	01W	6	WR					
Same			IRR	GY	G	SW	SW	NE	2800	2550	13	29	01W	7	WR					
A	48026	00	IRR	AY	G	NC	E2	SW	1320	3320	19	29	01E	1	WR	87.10	87.10	67.00	0.00	

2955.87 approved

pending

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in SESWNESW 19-29S-01E



- + Section Corner
- ⊙ Proposed Point of Diversion
- ▨ Proposed Place of Use
- Permitted Appropriation

There are no wells within 1000' of our proposed point of diversion

Because of the high number of domestic wells please assist us with notifying owners within 1/2 mile.



VOTD
 MRS M/S P/26
 applicant notified by
 survey processing application

RECEIVED

AUG 29 2016

Stafford Field Office
 Division of Water Resources

WATER RESOURCES
 RECEIVED
 DEC 23 2011
 KS DEPT OF AGRICULTURE



Google earth

SCANNED

