

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49,704
This item to be completed by the Division of Water Resources.

WATER RESOURCES
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**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.)

SEP 15 2016
12:51
KS DEPT OF AGRICULTURE

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

1. Name of Applicant (Please Print): City of Halstead
Address: 303 Main Street
City: Halstead State KS Zip Code 67056
Telephone Number: (316) 835-3381

2. The source of water is: surface water in _____ (stream)
OR groundwater in Little Arkansas River Basin - Equus Beds Aquifer (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 15 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 50 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. <u>2</u>	GMD <u>2</u>	Meets K.A.R. 5-3-1 (YES/NO) <u>(YES)</u>	Use <u>IRR</u>
Code <u>REG</u>	Fee \$ <u>200</u>	TR # _____	Source <u>(G) S</u> County <u>HW</u>
			Receipt Date <u>9/15/16</u>
			By <u>AJW</u> Date <u>9/15/16</u>
			Check # <u>26459a</u>

9/19/2016 LCM

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the SW quarter of the SW quarter of the NE quarter of Section 35, more particularly described as being near a point 2811 feet North and 2547 feet West of the Southeast corner of said section, in Township 23 South, Range 2W East/West (circle one), Harvey 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):

City of Halstead, 303 Main Street, Halstead, KS 67056. 316-835-3381

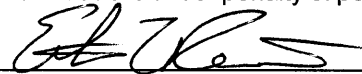
(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 29, 2016.



Applicant's Signature

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

7. The proposed project for diversion of water will consist of one well

(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) September 1, 2016

(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 September 1, 2016

(Mo/Day/Year)

- 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 NA
 - If no, explain here why a Water Structures permit is not required NA
-
-

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

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within ½ 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 ½ mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ 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.

Temporary Permit No. 20160063 approved March 31, 2016

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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	10-16-2006	_____	_____	_____
Total depth of well	50'	_____	_____	_____
Depth to water bearing formation	20'	_____	_____	_____
Depth to static water level	10'	_____	_____	_____
Depth to bottom of pump intake pipe	NA	_____	_____	_____

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):

City of Halstead, 303 Main Street, Halstead, KS 67056. 316-835-3381

(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 3:00 pm, Kansas, this 29 day of August, 2016.
(month) (year)



(Applicant Signature)

By _____

(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by T. Boese

GMD2/Manager

(office/title)

Date: _____

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 or dewatering 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

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KS DEPT OF AGRICULTURE

IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): City of Halstead

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: City of Halstead

ADDRESS: 303 Main Street, Halstead, KS 67056

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
35	23	2W			3.5											2			5.5

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	

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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>Hobbs silt loam</u>	<u>58</u>	<u>0.60-2.00</u>	<u>5</u>
<u>Detroit silty clay loam</u>	<u>42</u>	<u>0.06-0.20</u>	<u>3</u>
_____	<u>0</u>	_____	_____
_____	<u>0</u>	_____	_____
Total:	100 %	_____	_____

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

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

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: Underground sprinkler system with pop-up sprinkler heads

d. System design features:

i. Describe how you will control tailwater: Will schedule and apply irrigation to eliminate run-off

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: NA psi

(2) What is the sprinkler package design rate? NA 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? NA feet

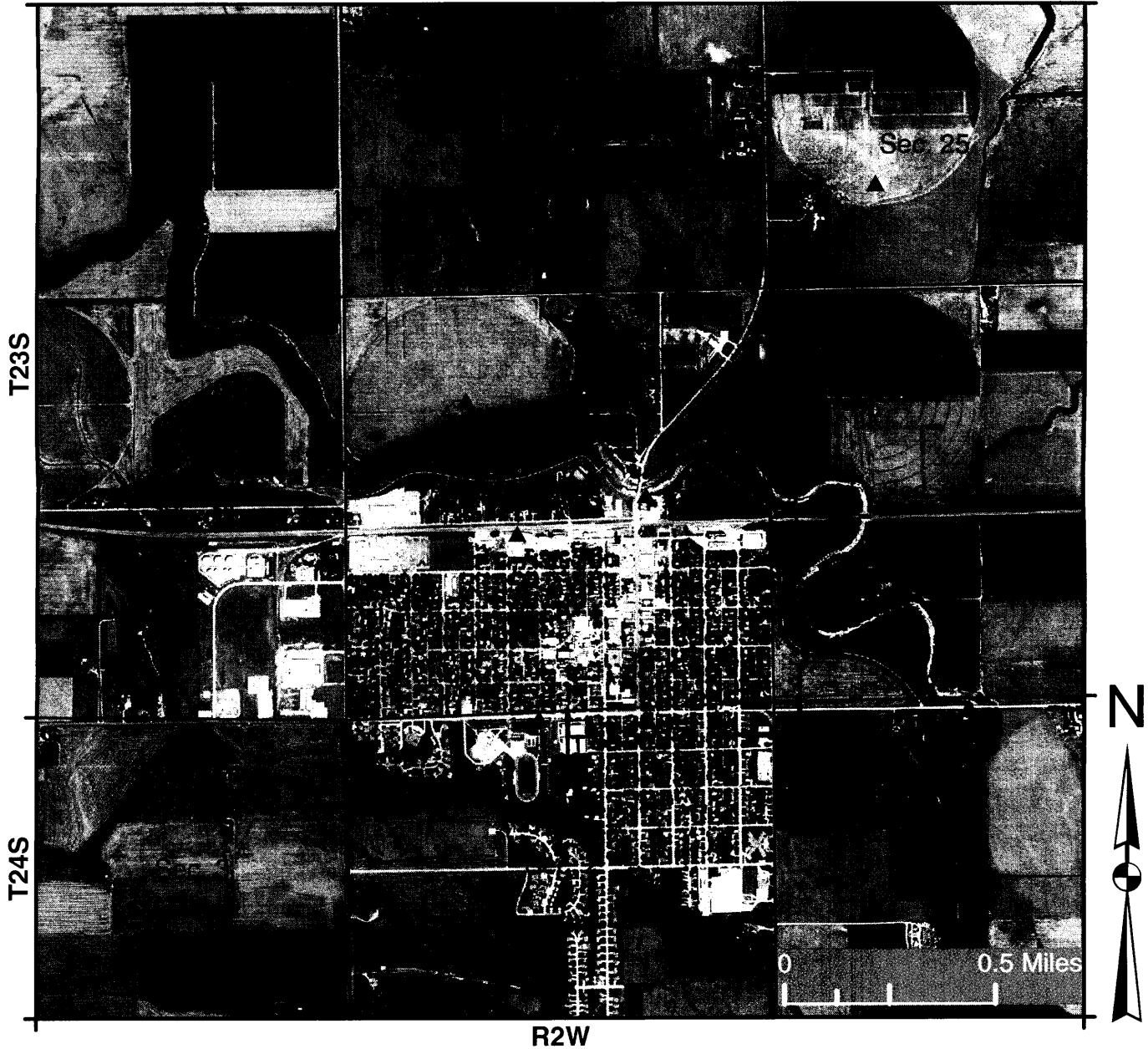
(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Turf grass

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation). Soil moisture check and grass water needs

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

Application Map



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

[Signature]
Signature

8/29/16
Date

New Application

Application No. _____ To Change:

- Point of Diversion
- Place of Use
- Use Made of Water

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- Proposed Point of Diversion
- Existing Points of Diversion
- Proposed Place of Use
- Authorized Place of Use

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See Attached for Points of Diversion within 1/2 mile of proposed point

** Due to the large number of wells within 1/2 mile, the applicant requests that a public notice be published in the area newspaper to notify nearby well owners*

8-29-2016

(Date)

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

Re: Application
File No. _____

Minimum Desirable Streamflow

Dear Sir:

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

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

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

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

Signature of Applicant

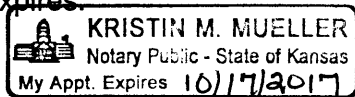
Ethan T. Reimer, City Clerk
(Print Applicant's Name)

State of Kansas)
County of Harvey) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 29 day of August, 2016.

Notary Public

My Commission Expires:



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**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

Historical Weather

McPherson

2012-04-01 — 2012-11-01

	Air Temperature		Relative Humidity	Precip	Wind Speed		Solar Radiation	ETo	Water Level		Water Elev	
	Max °F	Min °F	Avg %	Total inches	Avg mph	Max mph	Total ly	Grass inches	Avg ft	Max ft	Min ft	Avg ft
04-01	80.7	58.8	89.5	0	11.9	23.5	558.7	0.20	92.2	92.3	92.2	1401.9
04-02	78.7	54.6	90.4	0	13.0	26.6	575.4	0.21	92.3	92.3	92.2	1401.8
04-03	65.0	49.5	95.2	0.07	7.6	23.7	272.1	0.10	92.2	92.3	92.2	1401.9
04-04	61.1	51.5	99.8	2.24	7.8	18.7	208.4	0.07	92.2	92.2	92.1	1401.9
04-05	54.3	46.0	100.0	0	6.1	14.2	111.5	0.04	92.2	92.3	92.2	1401.8
04-06	58.2	42.4	99.0	0	7.0	17.8	323.6	0.11	92.2	92.2	92.1	1401.9
04-07	62.6	45.8	78.5	0.07	9.2	26.1	527.9	0.19	92.1	92.2	92.1	1401.9
04-08	64.1	34.1	79.7	0	3.7	13.3	651.8	0.24	92.1	92.2	92.0	1402.0
04-09	66.3	38.4	90.1	0.01	3.0	14.7	416.5	0.15	92.2	92.2	92.1	1401.9
04-10	62.4	44.2	65.3	0	7.2	17.0	627.0	0.23	92.1	92.2	92.1	1401.9
04-11	54.9	46.3	64.9	0	8.7	17.3	231.0	0.08	92.1	92.2	92.0	1402.0
04-12	61.4	49.4	88.7	0.05	12.7	27.1	140.3	0.05	92.2	92.3	92.2	1401.9
04-13	75.4	57.5	78.3	0	7.4	26.7	583.5	0.21	92.3	92.3	92.3	1401.7
04-14	70.6	57.5	98.7	0.03	14.9	34.6	127.9	0.05	92.3	92.3	92.2	1401.8
04-15	68.7	46.6	77.4	0.02	17.3	41.0	538.2	0.20	92.3	92.3	92.2	1401.8
04-16	64.5	40.6	80.7	0	5.4	17.5	670.2	0.25	92.1	92.2	92.0	1401.9
04-17	68.4	41.4	86.4	0	7.5	19.7	674.2	0.25	92.1	92.1	92.0	1402.0
04-18	74.7	49.2	85.4	0	10.5	23.9	666.1	0.25	92.2	92.3	92.1	1401.9
04-19	69.4	47.4	88.1	0	11.8	25.6	432.9	0.16	92.2	92.3	92.2	1401.9
04-20	59.9	41.8	78.4	0	9.9	24.1	583.5	0.22	92.1	92.3	92.1	1401.9
04-21	72.7	34.5	78.7	0	5.4	17.7	690.7	0.26	92.1	92.2	92.1	1402.0
04-22	62.6	36.3	70.5	0	9.2	22.5	696.9	0.26	92.1	92.1	92.0	1402.0
04-23	69.3	33.4	76.6	0	3.5	11.3	707.4	0.26	92.1	92.2	92.0	1402.0
04-24	87.5	43.5	76.5	0	7.0	18.7	690.7	0.26	92.2	92.3	92.2	1401.9
04-25	86.4	53.7	70.0	0	4.9	15.7	651.6	0.24	92.2	92.3	92.2	1401.9
04-26	78.7	52.3	72.4	0	5.6	14.5	480.4	0.17	92.1	92.2	92.1	1401.9
04-27	80.0	55.5	81.7	0	14.2	31.3	371.1	0.13	92.2	92.3	92.1	1401.9
04-28	69.1	43.4	85.0	0	7.6	18.9	643.4	0.24	92.1	92.2	92.1	1401.9
04-29	67.2	52.7	99.3	0.74	6.1	19.4	299.0	0.11	92.1	92.1	92.1	1402.0
04-30	74.3	53.7	96.3	0.48	4.9	24.4	348.4	0.13	92.1	92.2	92.1	1402.0
05-01	80.2	56.8	94.0	0	11.3	26.2	612.4	0.23	92.2	92.3	92.2	1401.9
05-02	81.6	65.0	94.4	0	11.5	21.7	651.6	0.24	92.2	92.3	92.2	1401.9
05-03	83.6	66.6	91.1	0	6.4	23.2	476.4	0.17	92.2	92.2	92.2	1401.9
05-04	88.2	66.7	83.0	0	8.5	25.2	701.2	0.26	92.2	92.2	92.2	1401.9
05-05	84.9	65.0	88.9	0	9.2	21.4	715.5	0.27	92.2	92.2	92.2	1401.9
05-06	77.9	58.8	93.5	0	10.8	24.6	321.7	0.12	92.2	92.2	92.1	1401.9
05-07	68.5	44.1	73.1	0	9.7	23.7	344.4	0.12	92.1	92.1	92.0	1402.0
05-08	74.9	42.0	69.6	0	4.1	18.7	583.5	0.22	92.0	92.1	92.0	1402.0
05-09	74.1	37.7	69.9	0	3.7	11.0	750.6	0.28	92.1	92.2	92.0	1402.0
05-10	84.3	47.4	69.9	0	7.3	20.2	740.3	0.28	92.2	92.2	92.2	1401.9
05-11	74.2	49.4	89.8	0.45	3.4	14.5	286.6	0.11	92.1	92.2	92.0	1401.9
05-12	66.4	47.3	89.8	0.09	6.6	17.0	509.3	0.19	92.0	92.1	92.0	1402.0
05-13	74.5	43.8	75.1	0	3.4	13.0	695.0	0.26	92.1	92.1	92.0	1402.0
05-14	79.1	49.8	78.3	0	3.3	13.5	649.6	0.24	92.1	92.2	92.1	1402.0
05-15	87.3	49.2	71.4	0	3.1	10.3	754.7	0.28	92.2	92.2	92.2	1401.9
05-16	84.9	49.5	58.5	0	6.7	14.3	746.5	0.28	92.2	92.2	92.1	1402.0
05-17	90.5	54.7	57.0	0	10.4	26.1	744.4	0.28	92.2	92.3	92.2	1401.9
05-18	89.6	65.2	55.6	0	14.1	31.1	670.2	0.25	92.3	92.3	92.2	1401.9
05-19	87.9	58.3	73.2	0.11	13.9	28.7	548.4	0.21	92.3	92.3	92.2	1401.9
05-20	77.1	50.5	71.4	0	6.9	20.5	742.2	0.28	92.1	92.2	92.0	1402.0
05-21	80.3	49.3	58.4	0	4.9	14.0	771.1	0.29	92.1	92.2	92.1	1402.0
05-22	85.5	48.4	62.4	0	10.4	25.1	730.1	0.27	92.2	92.3	92.2	1401.9
05-23	93.5	66.9	56.6	0	17.7	39.5	696.9	0.26	92.3	92.4	92.3	1401.7
05-24	86.2	62.9	61.8	0	7.8	26.9	695.0	0.26	92.3	92.3	92.2	1401.7
05-25	88.4	66.8	80.1	0	11.2	23.9	385.7	0.14	92.2	92.2	92.2	1401.9
05-26	96.8	74.0	71.9	0	14.0	27.9	604.3	0.22	92.2	92.2	92.2	1401.9
05-27	92.0	70.6	69.1	0	16.3	31.4	653.7	0.24	92.2	92.3	92.2	1401.9
summary	83.1	55.5	69.9	9.92	8.7	44.8	548.3	43.03	93.0	93.1	93.0	1401.0

WATER RESOURCES RECEIVED

SEP 15 2016

KS DEPT OF AGRICULTURE

	Air Temperature		Relative Humidity	Precip	Wind Speed		Solar Radiation	ETo	Water Level		Water Elev	
	Max °F	Min °F	Avg %	Total inches	Avg mph	Max mph	Total ly	Gross inches	Avg ft	Max ft	Min ft	Avg ft
05-28	89.1	62.9	47.5	0	7.1	22.7	791.9	0.30	92.2	92.3	92.2	1401.9
05-29	90.2	54.0	47.7	0	7.7	18.0	760.9	0.28	92.2	92.3	92.2	1401.9
05-30	90.4	61.4	68.7	0.71	7.9	22.5	591.9	0.23	92.2	92.4	92.2	1401.9
05-31	68.5	46.7	79.5	0	10.6	27.2	754.7	0.28	92.2	92.3	92.2	1401.9
06-01	59.6	41.4	96.2	0.05	3.5	13.2	216.5	0.07	92.2	92.3	92.2	1401.9
06-02	84.7	45.9	74.1	0	3.8	11.5	719.6	0.26	92.3	92.3	92.3	1401.7
06-03	88.3	63.2	84.5	0	6.4	17.3	536.0	0.20	92.3	92.4	92.3	1401.7
06-04	95.7	60.8	67.6	0	4.2	17.5	734.1	0.27	92.3	92.3	92.3	1401.7
06-05	89.4	61.8	63.6	0	6.9	17.2	748.4	0.28	92.3	92.3	92.3	1401.7
06-06	86.4	61.3	63.6	0	9.4	24.9	696.9	0.26	92.3	92.3	92.2	1401.7
06-07	85.4	59.7	66.7	0	8.2	19.7	676.4	0.25	92.2	92.2	92.2	1401.9
06-08	86.4	55.2	65.5	0	8.4	22.9	753.0	0.28	92.2	92.4	92.2	1401.9
06-09	91.0	59.2	66.4	0	14.9	31.8	725.8	0.27	92.4	92.4	92.4	1401.7
06-10	94.5	70.6	73.4	0.03	14.7	34.1	606.2	0.22	92.4	92.4	92.4	1401.7
06-11	87.2	61.1	57.0	0	8.1	21.0	783.5	0.29	92.3	92.4	92.2	1401.7
06-12	87.0	56.0	53.8	0	7.7	23.4	680.4	0.25	92.3	92.4	92.2	1401.8
06-13	90.5	63.2	61.6	0	13.5	27.9	742.2	0.28	92.4	92.5	92.3	1401.7
06-14	95.3	64.0	77.9	1.21	15.3	31.4	703.1	0.25	92.5	92.5	92.4	1401.6
06-15	83.9	62.8	83.7	0.33	5.7	18.3	734.1	0.27	92.4	92.5	92.4	1401.7
06-16	87.5	63.9	81.3	0.15	6.3	37.3	647.5	0.24	92.4	92.4	92.3	1401.7
06-17	93.5	68.4	75.9	0	11.5	26.4	725.8	0.27	92.4	92.5	92.3	1401.7
06-18	94.7	69.7	73.8	0	16.9	30.3	763.0	0.28	92.5	92.6	92.5	1401.3
06-19	91.9	72.1	74.2	0	19.4	37.1	744.4	0.28	92.5	92.5	92.5	1401.3
06-20	87.3	63.4	83.6	0.06	17.8	34.3	367.1	0.14	92.5	92.5	92.4	1401.5
06-21	84.4	61.5	72.0	0.14	7.4	21.2	764.9	0.29	92.4	92.4	92.3	1401.7
06-22	87.4	57.8	66.0	0.03	7.6	18.5	781.6	0.29	92.4	92.5	92.4	1401.5
06-23	98.1	69.3	63.5	0	14.4	29.2	730.1	0.27	92.5	92.6	92.5	1401.3
06-24	102.8	72.0	63.3	0	10.7	23.2	763.0	0.28	92.6	92.6	92.5	1401.3
06-25	104.7	66.2	66.0	0	5.4	15.2	758.9	0.26	92.5	92.6	92.5	1401.3
06-26	105.8	72.9	64.5	0	10.4	22.9	758.9	0.28	92.6	92.6	92.5	1401.3
06-27	106.7	74.1	58.5	0	13.3	26.6	764.9	0.28	92.6	92.6	92.6	1401.3
06-28	105.2	70.7	55.3	0	10.6	22.9	763.0	0.28	92.6	92.6	92.5	1401.3
06-29	103.3	73.6	50.7	0	11.7	25.6	723.9	0.27	92.6	92.7	92.6	1401.3
06-30	102.5	71.9	56.5	0	10.0	23.7	674.2	0.25	92.7	92.7	92.6	1401.3
07-01	97.9	74.2	60.1	0	9.5	22.7	659.9	0.24	92.6	92.6	92.6	1401.3
07-02	96.7	71.0	66.4	0	10.4	23.5	715.5	0.26	92.6	92.6	92.6	1401.3
07-03	98.3	70.8	60.5	0	10.5	23.4	695.0	0.26	92.6	92.7	92.6	1401.3
07-04	100.6	74.3	53.7	0	12.2	25.7	727.9	0.27	92.7	92.7	92.6	1401.3
07-05	100.3	72.1	53.3	0	9.7	20.9	746.5	0.26	92.6	92.7	92.6	1401.3
07-06	102.3	76.0	50.0	0	8.7	21.2	746.5	0.26	92.6	92.6	92.6	1401.3
07-07	102.7	70.9	54.1	0	5.3	22.5	527.9	0.20	92.6	92.7	92.6	1401.3
07-08	90.8	69.9	79.3	0.03	9.5	21.9	705.3	0.26	92.7	92.7	92.7	1401.3
07-09	80.4	71.5	84.6	0	8.6	23.0	344.4	0.13	92.7	92.7	92.7	1401.3
07-10	90.5	68.0	65.2	0	8.4	21.4	610.3	0.22	92.7	92.7	92.7	1401.3
07-11	92.3	56.3	61.1	0	4.6	15.3	769.2	0.29	92.7	92.8	92.7	1401.3
07-12	96.3	63.5	56.8	0	5.7	18.3	746.5	0.28	92.8	92.9	92.8	1401.1
07-13	96.1	68.6	58.1	0	7.4	22.7	513.4	0.19	92.8	92.9	92.8	1401.1
07-14	101.1	67.7	57.6	0	6.7	18.0	717.7	0.27	92.8	92.9	92.8	1401.1
07-15	98.2	72.0	56.8	0	10.1	23.0	730.1	0.27	92.9	92.9	92.8	1401.1
07-16	95.7	71.0	64.2	0	11.1	24.1	715.5	0.26	92.9	93.0	92.9	1401.0
07-17	101.5	73.3	53.6	0	12.6	26.2	730.1	0.27	93.0	93.0	93.0	1401.0
07-18	105.4	76.1	47.3	0	11.0	28.2	657.8	0.24	93.0	93.0	92.9	1401.0
07-19	106.5	71.9	49.6	0	5.5	19.9	711.5	0.26	92.9	93.0	92.9	1401.0
07-20	103.8	72.2	46.4	0	7.7	22.0	746.5	0.28	92.9	92.9	92.8	1401.1
07-21	103.1	64.9	44.6	0	7.3	18.9	717.7	0.27	92.9	93.0	92.9	1401.0
07-22	101.8	68.5	48.7	0	7.4	21.4	723.9	0.27	93.0	93.0	92.9	1401.0
07-23	101.4	70.4	51.2	0	9.2	25.2	727.9	0.27	93.0	93.1	93.0	1401.0
07-24	102.3	76.3	51.5	0	14.1	29.1	715.5	0.26	93.1	93.2	93.0	1401.0
07-25	105.9	72.7	55.4	0.25	13.7	40.0	676.4	0.25	93.2	93.3	93.2	1400.9
07-26	94.1	69.5	76.4	0.12	4.5	19.0	701.2	0.26	93.2	93.2	93.1	1400.9
07-27	98.5	69.2	62.5	0	5.6	14.8	732.0	0.27	93.1	93.1	93.0	1401.0
07-28	104.4	73.3	48.2	0	10.6	23.0	680.4	0.25	93.1	93.2	93.1	1401.0
07-29	107.5	77.2	48.9	0.01	8.4	22.0	666.1	0.25	93.2	93.3	93.2	1400.9
summary	83.1	56.5	69.9	9.92	8.7	44.8	548.3	43.03	93.0	93.1	93.0	1401.0

WATER RESOURCES RECEIVED

SEP 15 2016

KS DEPT OF AGRICULTURE

	Air Temperature		Relative Humidity	Precip	Wind Speed		Solar Radiation	ETo	Water Level		Water Elev	
	Max °F	Min °F	Avg %	Total inches	Avg mph	Max mph	Total ly	Grass inches	Avg ft	Max ft	Min ft	Avg ft
07-30	99.8	74.3	55.0	0	8.0	21.2	457.8	0.17	93.2	93.3	93.2	1400.9
07-31	101.5	74.2	57.3	0	7.9	19.4	571.1	0.21	93.2	93.3	93.2	1400.9
08-01	103.8	75.4	50.7	0	9.4	26.4	604.3	0.22	93.3	93.4	93.2	1400.8
08-02	96.0	73.2	59.8	0	10.6	38.3	556.8	0.20	93.4	93.4	93.3	1400.7
08-03	98.8	73.7	63.8	0.05	7.7	24.9	614.6	0.23	93.4	93.4	93.4	1400.7
08-04	85.1	62.6	71.0	0	10.5	27.2	449.6	0.16	93.3	93.4	93.2	1400.7
08-05	92.3	55.9	56.9	0	6.2	16.7	701.2	0.26	93.3	93.3	93.2	1400.8
08-06	98.3	60.1	43.6	0	8.3	20.7	656.1	0.24	93.4	93.5	93.3	1400.7
08-07	93.9	67.0	59.5	0.02	7.2	30.9	235.1	0.09	93.4	93.5	93.4	1400.7
08-08	102.5	65.3	55.2	0	6.9	21.9	666.1	0.24	93.4	93.5	93.4	1400.6
08-09	87.9	63.0	64.8	0	10.4	25.7	705.3	0.26	93.4	93.5	93.4	1400.7
08-10	86.9	57.9	60.9	0	6.9	19.5	622.7	0.23	93.4	93.4	93.4	1400.7
08-11	89.2	59.3	49.4	0	8.8	18.7	550.6	0.20	93.5	93.5	93.4	1400.4
08-12	92.0	67.6	51.3	0	10.1	27.2	678.5	0.25	93.5	93.6	93.5	1400.4
08-13	83.3	57.5	68.6	0	9.1	26.1	676.4	0.25	93.4	93.5	93.4	1400.7
08-14	73.9	60.8	91.7	0.43	7.6	22.9	393.6	0.14	93.4	93.5	93.4	1400.4
08-15	93.5	58.1	80.3	0	9.0	23.5	649.6	0.24	93.5	93.7	93.5	1400.3
08-16	77.6	61.7	68.6	0	12.1	27.1	573.3	0.21	93.5	93.6	93.4	1400.6
08-17	82.4	53.1	59.1	0	4.4	13.7	595.9	0.22	93.5	93.6	93.4	1400.4
08-18	85.3	63.0	49.6	0	6.4	15.0	511.5	0.19	93.6	93.7	93.5	1400.3
08-19	80.9	54.4	61.0	0	8.2	20.2	680.4	0.25	93.5	93.6	93.5	1400.4
08-20	87.5	50.0	50.2	0	3.4	13.3	643.4	0.24	93.5	93.6	93.5	1400.3
08-21	90.3	56.1	46.6	0	5.1	20.7	637.2	0.24	93.5	93.6	93.5	1400.3
08-22	90.6	62.2	54.0	0	11.9	31.3	628.9	0.23	93.5	93.6	93.5	1400.3
08-23	92.1	70.1	55.0	0	16.7	31.8	521.7	0.19	93.6	93.7	93.6	1400.3
08-24	78.7	66.6	69.8	0.52	13.1	26.2	231.0	0.08	93.7	93.7	93.7	1400.3
08-25	77.7	66.4	99.7	0.97	7.4	21.5	237.2	0.09	93.7	93.7	93.7	1400.3
08-26	81.6	67.0	91.9	0	5.9	15.0	534.1	0.20	93.6	93.7	93.6	1400.3
08-27	89.4	61.8	79.8	0	3.8	15.0	612.4	0.22	93.6	93.6	93.6	1400.3
08-28	91.5	61.4	70.0	0	3.9	16.2	614.6	0.22	93.6	93.7	93.6	1400.3
08-29	92.9	60.6	67.5	0	5.4	18.0	604.3	0.22	93.7	93.8	93.7	1400.3
08-30	97.2	65.8	57.7	0	5.2	16.2	602.1	0.22	93.7	93.8	93.7	1400.3
08-31	91.0	61.4	71.3	0	6.8	21.7	608.4	0.22	93.7	93.7	93.7	1400.3
09-01	91.6	61.6	76.8	0	5.8	16.0	598.1	0.22	93.7	93.7	93.6	1400.3
09-02	100.6	66.6	63.5	0	7.5	17.8	606.2	0.22	93.7	93.8	93.7	1400.2
09-03	104.6	71.1	62.6	0	8.6	24.4	567.1	0.20	93.8	93.8	93.8	1400.1
09-04	97.4	66.8	69.3	0.04	6.8	27.6	529.8	0.19	93.8	93.8	93.7	1400.2
09-05	88.6	63.5	77.8	0	6.1	20.9	585.7	0.21	93.8	93.8	93.7	1400.2
09-06	93.9	61.3	63.7	0	7.4	22.0	577.3	0.21	93.7	93.8	93.6	1400.3
09-07	80.0	52.4	81.1	0.28	10.8	44.8	218.6	0.07	93.8	93.6	93.7	1400.2
09-08	78.3	46.6	72.8	0.02	5.7	18.9	622.7	0.22	93.7	93.8	93.7	1400.3
09-09	76.6	51.4	65.2	0.01	6.0	19.2	618.6	0.22	93.7	93.8	93.7	1400.3
09-10	88.1	49.6	61.5	0	10.0	25.1	608.4	0.22	93.8	93.9	93.7	1400.1
09-11	92.7	56.1	48.8	0	16.1	35.0	581.4	0.21	93.9	93.9	93.9	1400.0
09-12	92.9	56.5	58.7	0	15.6	37.0	455.6	0.17	93.9	93.9	93.8	1400.0
09-13	57.0	52.1	99.9	0.01	12.8	26.4	74.2	0.02	93.8	93.8	93.7	1400.1
09-14	72.0	46.6	74.4	0	7.6	21.5	558.7	0.20	93.8	93.8	93.7	1400.2
09-15	69.1	52.2	94.3	0.01	4.3	11.8	241.3	0.08	93.9	93.9	93.8	1400.1
09-16	77.7	59.2	87.9	0	4.6	12.5	412.4	0.15	93.9	94.0	93.9	1400.0
09-17	70.9	48.3	93.7	0	9.0	25.2	371.1	0.14	94.0	94.0	93.9	1400.0
09-18	76.5	42.6	70.2	0	6.3	20.5	548.4	0.20	93.9	94.0	93.8	1400.1
09-19	90.8	53.5	56.4	0	9.8	20.9	544.4	0.19	94.0	94.0	93.9	1400.0
09-20	81.7	46.5	47.8	0	6.6	15.8	503.1	0.18	93.9	94.0	93.9	1400.0
09-21	83.9	54.3	50.4	0	6.8	22.2	536.0	0.19	94.0	94.0	93.9	1400.0
09-22	71.1	50.8	47.7	0	8.8	22.0	534.1	0.19	93.9	93.9	93.8	1400.0
09-23	74.0	48.4	41.2	0	9.5	19.7	496.9	0.18	93.9	93.9	93.8	1400.1
09-24	87.8	50.5	64.0	0	7.9	20.7	371.1	0.13	94.0	94.0	93.9	1400.0
09-25	80.0	54.9	78.6	0	6.6	24.7	313.4	0.11	94.0	94.1	94.0	1400.0
09-26	68.9	57.5	98.2	0.02	7.8	21.7	152.5	0.05	94.0	94.1	93.9	1400.0
09-27	71.0	55.3	97.3	0.01	4.5	11.8	197.9	0.07	93.9	93.9	93.9	1400.1
09-28	70.5	55.7	95.7	0	5.3	14.8	208.4	0.07	93.9	93.9	93.9	1400.1
09-29	71.0	53.6	79.3	0.01	4.8	16.7	373.3	0.13	93.9	94.0	93.9	1400.0
09-30	74.5	50.3	73.6	0	2.8	11.3	402.1	0.14	94.0	94.0	93.9	1400.0
summary	83.1	56.5	69.9	9.92	8.7	44.8	548.3	43.03	93.0	93.1	93.0	1401.0

WATER RESOURCES RECEIVED

SEP 15 2016

KS DEPT OF AGRICULTURE

	Air Temperature		Relative Humidity	Precip	Wind Speed		Solar Radiation	ETo	Water Level		Water Elev	
	Max °F	Min °F	Avg %	Total inches	Avg mph	Max mph	Total ly	Grass inches	Avg ft	Max ft	Min ft	Avg ft
10-01	69.9	46.6	87.8	0.01	10.2	31.3	249.4	0.09	94.0	94.0	94.0	1400.0
10-02	74.2	39.6	63.5	0	4.8	14.2	505.3	0.18	94.0	94.1	93.9	1400.0
10-03	81.0	42.0	62.2	0	12.1	33.3	484.5	0.17	94.1	94.1	94.0	1400.0
10-04	68.8	47.9	65.4	0	12.9	29.9	323.6	0.11	94.0	94.1	93.9	1400.0
10-05	53.7	35.2	66.8	0	10.1	25.6	338.2	0.12	93.9	94.0	93.9	1400.0
10-06	43.7	34.2	86.3	0	6.7	21.9	109.3	0.04	93.9	94.0	93.9	1400.0
10-07	52.7	23.9	78.5	0	5.1	19.4	412.4	0.14	94.0	94.1	93.9	1400.0
10-08	69.4	31.3	63.2	0	11.5	27.2	472.3	0.16	94.1	94.2	94.1	1400.0
10-09	63.9	35.3	70.2	0	9.6	28.7	424.8	0.14	94.2	94.2	94.1	1399.9
10-10	66.7	31.5	55.2	0	4.5	17.0	445.3	0.15	94.1	94.1	94.0	1400.0
10-11	81.1	45.8	61.8	0	10.5	25.6	416.5	0.14	94.1	94.2	94.1	1400.0
10-12	62.7	47.2	88.8	0.01	9.0	25.1	59.9	0.02	94.1	94.1	94.0	1400.0
10-13	78.3	55.0	97.0	0	10.8	25.4	189.7	0.06	94.2	94.2	94.1	1399.9
10-14	72.2	52.3	75.0	0	10.7	32.6	432.9	0.15	94.1	94.2	94.1	1399.9
10-15	84.2	45.1	68.8	0	5.8	16.2	422.7	0.14	94.1	94.2	94.1	1400.0
10-16	80.1	51.4	64.0	0	6.6	17.0	416.5	0.14	94.2	94.2	94.2	1399.9
10-17	67.0	45.6	63.3	0	11.8	32.1	338.2	0.12	94.2	94.3	94.2	1399.9
10-18	63.4	42.8	39.5	0	18.2	43.2	391.9	0.13	94.2	94.2	94.1	1399.9
10-19	63.7	41.7	47.0	0	10.9	27.9	428.9	0.15	94.2	94.2	94.1	1399.9
10-20	82.4	40.3	55.4	0	6.6	17.3	406.2	0.14	94.2	94.2	94.2	1399.9
10-21	84.9	55.8	83.4	0	11.7	29.8	296.9	0.10	94.2	94.2	94.2	1399.9
10-22	72.9	51.5	96.2	0	5.8	18.7	163.0	0.06	94.2	94.3	94.2	1399.9
10-23	85.5	59.4	77.9	0	12.9	24.6	375.2	0.13	94.2	94.2	94.2	1399.9
10-24	80.0	62.7	69.1	0	14.2	31.3	264.0	0.09	94.2	94.2	94.2	1399.9
10-25	69.3	30.7	88.1	0.02	16.5	33.4	251.6	0.08	94.2	94.3	94.2	1399.9
10-26	43.9	25.3	80.0	0	9.9	22.4	313.4	0.10	94.1	94.2	94.0	1400.0
10-27	46.2	22.1	77.4	0	3.9	14.8	319.6	0.10	94.1	94.2	94.1	1400.0
10-28	54.7	25.5	68.1	0	8.4	17.5	325.6	0.10	94.2	94.2	94.1	1399.9
10-29	65.6	38.4	53.9	0	11.7	25.1	360.9	0.12	94.2	94.3	94.2	1399.9
10-30	68.3	36.6	61.6	0	5.8	14.3	358.7	0.12	94.3	94.3	94.2	1399.7
10-31	68.1	32.8	71.2	0	3.5	12.3	352.5	0.11	94.2	94.2	94.2	1399.9
11-01	77.3	38.1	63.0	0	3.9	12.1	344.4	0.11	94.2	94.3	94.2	1399.9
summary	83.1	56.5	69.9	9.92	8.7	44.8	548.3	43.03	93.0	93.1	93.0	1401.0

TOTAL ET APRIL - NOV - 43"

TOTAL PRECIPITATION APRIL - NOV - 9.92" (ASSUMING 100% USABLE)

DIFFERENCE OF 33.08" NEEDED FOR IRRIGATION

WATER RESOURCES RECEIVED

SEP 15 2016

KS DEPT OF AGRICULTURE



1320 Research Park Drive
Manhattan, Kansas 66502
Jackie McClaskey, Secretary

Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

September 16, 2016

CITY OF HALSTEAD
303 MAIN STREET
HALSTEAD KS 67056

FILE COPY

RE: Application
File No. 49704

Dear Sir or Madam:

Your application for permit to appropriate water in 35-23S-2W in Harvey County, was received and has been assigned the file number noted above.

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

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

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

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

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

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

Sincerely,

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

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

BAT: dlw
pc: STAFFORD Field Office
GMD 2

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

1 LOCATION OF WATER WELL: County: <u>HARVEY</u>	Fraction <u>SW 1/4 SW 1/4 NE 1/4</u>	Section Number <u>35</u>	Township Number T <u>23 S</u>	Range Number R <u>2 E</u> <u>(W)</u>
-----------------------------------------------------------	-----------------------------------------	-----------------------------	----------------------------------	-----------------------------------------

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

Global Positioning Systems (decimal degrees, min. of 4 digits)
 Latitude: _____
 Longitude: _____
 Elevation: _____
 Datum: _____
 Data Collection Method: _____

2 WATER WELL OWNER: CITY OF HAUSTEND
 RR#, St. Address, Box # : 303 main
 City, State, ZIP Code : Haustend, KS 67056

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

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

4 DEPTH OF COMPLETED WELL 10 ft.

Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft.
 WELL'S STATIC WATER LEVEL... 10 ft. below land surface measured on mo/day/yr.....
 Pump test data: Well water was.....ft. after..... hours pumping..... gpm
 Est. Yield... 10...gpm: Well water was.....ft. after..... hours pumping..... gpm

WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well

Was a chemical/bacteriological sample submitted to Department? Yes No X.....; If yes, mo/day/yr
 Sample was submitted..... Water well disinfected? Yes X..... No

5 TYPE OF CASING USED:

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

Blank casing diameter 5 in. to 37 ft., Diameter..... in. to ft., Diameter in. to ft.
 Casing height above land surface..... 12 in., Weight..... 2.46 lbs./ft. Wall thickness or gauge No. 160 AST

TYPE OF SCREEN OR PERFORATION MATERIAL:

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

SCREEN OR PERFORATION OPENINGS ARE:

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

SCREEN-PERFORATED INTERVALS: From..... 37 ft. to 50 ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From..... 20 ft. to 50 ft., From ft. to ft.
 From..... ft. to ft., From ft. to ft.

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

Grout Intervals: From 2 ft. to 20 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination:

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

Direction from well? S How many feet? 45

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
<u>0</u>	<u>1</u>	<u>TOP SOIL</u>			
<u>1</u>	<u>20</u>	<u>CLAY</u>			
<u>20</u>	<u>35</u>	<u>FINE SAND</u>			WATER RESOURCES RECEIVED
<u>35</u>	<u>50</u>	<u>MEDIUM SAND</u>			SEP 15 2016
					KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10-16-06 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 740..... This Water Well Record was completed on (mo/day/year) 10-15-06 under the business name of WENNER DRILLING INC. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at <http://www.kdhe.state.ks.us/geo/waterwells>.