



File No. <b>49,925</b>	15. Formation Code: <b>113/540</b>	Drainage Basin: <b>COTTONWOOD RIVER</b> <i>36</i>	County: <b>MN</b>	Special Use:	Stream:																
16. Points of Diversion T MOD DEL PDIV ENT Qualifier S T R ID 'N 'W			17. Rate and Quantity <b>MOD ADDL QTY</b> Authorized Additional Rate gpm Quantity mgy Rate gpm Quantity mgy Overlap PD Files																		
			<b>800</b> <b>20</b> <b>800</b> <b>0</b> <b>NONE</b>																		
<b>MOD 86388 NE SW SE 6 21 5E 6 1080 1920 (Geo-Ctr)</b>																					
<b>ENT 86531 NE SW SE 6 21 5E 1040 1720 (Batt 1 of 4)</b>																					
<b>ENT 86532 NE SW SE 6 21 5E 1060 1820 (Batt 1 of 4)</b>																					
<b>ENT 86533 NW SW SE 6 21 5E 1100 2020 (Batt 1 of 4)</b>																					
<b>ENT 86534 NW SW SE 6 21 5E 1120 2120 (Batt 1 of 4)</b>																					
<i>Battery ID # 2061</i>																					
18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft																					
19. Limitation: <b>62.035 MGY</b> at _____ gpm (_____ cfs) when combined with file number(s) <b>File Nos. MN-04; 37,265; and 37,266</b> Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s)																					
20. Meter Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To be installed by <b>12/31/2019</b> Date Acceptable Meter Installed _____																					
21. Place of Use T MOD DEL ENT PUSE S T R ID		<b>NE¼</b>				<b>NW¼</b>				<b>SW¼</b>				<b>SE¼</b>				<b>Total</b>	<b>Owner</b>	<b>Chg? NO</b>	<b>Overlap Files</b>
		NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
<b>√ 40710 36 20 4E 1</b>		<b>CITY OF FLORENCE &amp; IMMEDIATE VICINITY</b>																	<b>7a.</b>	<b>No</b>	<b>MN-4; 37,265; and 37,266</b>
Comments:																					

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

**M E M O R A N D U M**

**TO:** Files

**DATE:** December 18, 2017

**FROM:** Doug Schemm

**RE:** Application, File No. 49,925

The City of Florence has filed the referenced application to appropriate 20 million gallons of groundwater per calendar year at a diversion rate not to exceed 800 gallons per minute for municipal use from a proposed new well battery. The proposed place of use overlaps Vested Water Right, File No. MN-4; and Appropriation of Water, File Nos. 37,265 and 37,266. The application form was signed by Robert Gayle, Jr., Mayor, stating that the City has access to the point of diversion.

Vested Water Right, File No. MN-04 is authorized 42.035 million gallons, Appropriation of Water, File No. 37,265 is authorized 5 million gallons, and Appropriation of Water, File No. 37,266 is authorized 15 million gallons, for a total authorized quantity of 62.035 million gallons. The Kansas Municipal Water Use report indicates an average of 102 gpcd, for medium public water suppliers in Region 7, the applicant has estimated 79 gpcd. An estimated quantity of water can be determined as follows: Population of 465 x 102 gpcd x 365 days = 17.6 million gallons. The applicant has projected water needs of 20 million gallons by 2037. As noted above, the senior files authorize 62.035 million gallons, which significantly exceeds their projected needs. Therefore, with a quantity limitation to the senior files of 62.035 million gallons, this approval will not provide any additional quantity of water, but will provide the City with flexibility in pumping locations.

The applicant did not identify any nearby wells, and there are no permitted wells within one-half mile of the proposed point of diversion. The applicant (Robert Gayle – Mayor) was contacted by telephone on November 28, 2017 to further discuss possible nearby domestic wells, and he stated that he was not aware of any nearby wells. However, further review of the WWC-5 database shows there are several nearby domestic wells, with two of them within one-half mile. Nearby well owner letters were sent out on December 6, 2017, and both were returned as undeliverable. Mr. Gayle stated that the Sunflower Crushed Stone facility has not been in operation for many years. The only permitted groundwater rights within a two-mile radius are all owned by the applicant according to the WRIS database, with the nearest being over 7,700 feet away. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be 1,320 feet to non-domestic wells and 660 feet to domestic wells, and spacing is met.

No well log was submitted with the application, however based on the geographical location of the well near the Cottonwood River, the source of water may potentially be the alluvial aquifer. However, this area typically does not have a significant alluvial aquifer, and other area wells indicate the bedrock aquifer (Permian System – Chase Group) is the primary aquifer. A conservative approach, and per K.A.R. 5-3-11, the area of consideration was based on the extent of just the alluvial aquifer, which was determined to be 4,131 acres. Thus 4,133 acres x 3.6 inches of recharge x 75% recharge available / 12 provides a safe yield of 929.48 acre-feet. Existing water rights have appropriated 190.38 acre-feet, leaving 739.1 acre-feet available, and this application requesting 61.38 acre-feet complies with safe yield (0 additional quantity). Obviously, if the entire 2-mile circle was used (extent of the bedrock aquifer) the safe yield value would be significantly higher. In order to ensure that the well is authorized either source of water, the source code will be identified as both alluvium and bedrock aquifers (113/540).

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.

City of Florence  
File No. 49,925  
Page 2

Katie Tietsort, Water Commissioner of the Topeka Field Office, recommended approval of the referenced application in a December 1, 2017 e-mail. Based on the above discussion, the application complies with rules and regulations, 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.

Douglas W. Schemm  
Environmental Scientist  
Topeka Field Office

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

January 23, 2018

CITY OF FLORENCE  
% ROBERT B GAYLE JR MAYOR  
511 MAIN  
FLORENCE KS 66851

**FILE COPY**

Re: Appropriation of Water, File No. 49,925

Dear Mr. Gayle:

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

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

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right. If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum  
New Application Unit Supervisor  
Water Appropriation Program

KAB:dws  
Enclosures

pc: Topeka Field Office



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

**APPROVAL OF APPLICATION  
and  
PERMIT TO PROCEED**

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. **49,925** of the applicant

**CITY OF FLORENCE**  
**511 MAIN**  
**FLORENCE KS 66851**

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 **October 17, 2017**.
2. That the water sought to be appropriated shall be used for municipal use within the City of Florence, Kansas, and immediate vicinity.
3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells with a geographic center located in the Northeast Quarter of the Southwest Quarter of the Southeast Quarter (NE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 6, more particularly described as being near a point 1,080 feet North and 1,920 feet West of the Southeast corner of said section, in Township 21 South, Range 5 East, Marion County, Kansas, located substantially as shown on the topographic map accompanying the application.
4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute** (1.78 c.f.s.) and to a quantity not to exceed **20 million gallons** (61.38 acre-feet) of water for any calendar year.
5. That installation of works for diversion of water shall be completed on or before **December 31, 2019** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee 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, 2038** 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 re-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 the 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 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.

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

15. 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.

16. 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.

17. That the permit holder shall submit a progress report to the office of the Chief Engineer by March 1, following the tenth full calendar year after the permit was issued. The progress report must be submitted on a form prescribed by the Chief Engineer, and shall compare annual water use projected in the original application with the actual annual water use for the prior 10 years. The progress report must document compliance with the approved conservation plan, contain sufficient details to determine the extent of perfection of the water right during the previous ten years, and demonstrate how the water right, in association with other water rights, meets the municipal use need.

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

19. That the quantity of water approved under this permit is further limited to the quantity which combined with Vested Water Right, File No. MN-04; and Appropriation of Water, File Nos. 37,265 and 37,266, will provide a **total not to exceed 62.035 million gallons** of water per calendar year for municipal use as described herein.

20. That the applicant shall submit to the Chief Engineer a copy of the well log required by the Kansas Department of Health and Environment under the authority of K.S.A. 82a-1212, currently form WWC-5, within 30 days following the drilling of the well at the location authorized herein.

#### **RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW**

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

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

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary.

To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (**i.e., within a total of 18 days after this Order was mailed to you**), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

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





APPLICATION COMPLETE

12/18/2017

Reviewer DWS

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 49925  
This item to be completed by the Division of Water Resources.

WATER RESOURCES  
RECEIVED

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.)

OCT 17 2017  
1:17

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 Florence – Robert Gayle Jr., Mayor

Address: 511 Main

City: Florence State KS Zip Code 66851

Telephone Number: (253) 640-2201

2. The source of water is:  surface water in \_\_\_\_\_ (stream)

OR  groundwater in Cottonwood 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 \_\_\_\_\_ acre-feet OR 20,000,000 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. 1 GMD D Meets K.A.R. 5-3-1 (YES/NO) Use MUN Source G/S County MN By KAB Date 10/17/17  
Code PEG Fee \$ 000 TR # \_\_\_\_\_ Receipt Date 10/17/17 Check # 25605

10/24/2017 SCANNED CUM

Geo-Center = NE SWSE 1080' N + 1920' W Sec. 6, 21S, 5E

Marion Co.

File No. 49,925

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.

Batt 1 of 4

(A) One in the NE quarter of the SW quarter of the SE quarter of Section 6, more particularly described as being near a point 1040 feet North and 1720 feet West of the Southeast corner of said section, in Township 21 South, Range 5 East, Marion County, Kansas.

2 of 4

(B) One in the NE quarter of the SW quarter of the SE quarter of Section 6, more particularly described as being near a point 1060 feet North and 1820 feet West of the Southeast corner of said section, in Township 21 South, Range 5 (East) West (circle one), MN County, Kansas.

3 of 4

(C) One in the NW quarter of the SW quarter of the SE quarter of Section 6, more particularly described as being near a point 1100 feet North and 2020 feet West of the Southeast corner of said section, in Township 21 South, Range 5 (East) West (circle one), MN County, Kansas.

4 of 4

(D) One in the NW quarter of the SW quarter of the SE quarter of Section 6, more particularly described as being near a point 1120 feet North and 2120 feet West of the Southeast corner of said section, in Township 21 South, Range 5 (East) West (circle one), MN 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 Florence

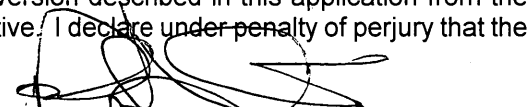
(name, address and telephone number)

(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 Oct 17<sup>th</sup>, 2017.

  
Applicant's Signature

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

7. The proposed project for diversion of water will consist of battery of up to 4 wells

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

and (will be) completed (by) ASAP

(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be ASAP

(Mo/Day/Year)

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

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

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

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

- If yes, show the Water Structures permit number here \_\_\_\_\_
- If no, explain here why a Water Structures permit is not required \_\_\_\_\_  
N/A

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

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

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

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

PU overlap with MN-4, 37265 and 37266

Quantity requested to be limited to the senior files.

WATER RESOURCES  
RECEIVED

OCT 17 2017

KS DEPT OF AGRICULTURE



Applicant's Name City of Florence  
(Please Print)

## MUNICIPAL (PUBLIC WATER SUPPLY) APPLICATION SUPPLEMENTAL INFORMATION SHEET

**Application File Number**  
**49925**  
(assigned by DWR)

**SCANNED**

**SECTION 1: PRESENT WATER USE SUMMARY (IF NO PREVIOUS MUNICIPAL WATER USE HAS BEEN UTILIZED, PROCEED TO SECTION 3)**

**NOTE: WORKSHEET FOR WATER PUMPED, PURCHASED, AND SOLD BY YOUR WATER DISTRIBUTION SYSTEM.**

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Below Explanation)
13,406,000				10,262,000	1,588,000	1,556,000
<b>TOTAL WATER = Columns 1 + 2</b>		<b>ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6</b>			<b>UNACCOUNTED FOR WATER</b>	

**UNACCOUNTED FOR WATER = TOTAL WATER - ACCOUNTED FOR WATER**

- Column 1: The amount of raw water diverted from all of your points of diversion.
- Column 2: The amount of water purchased wholesale from all other public water supply systems or the Kansas Water Office.
- Column 3: The amount of water sold wholesale to all other public water supply systems.
- Column 4: The amount of water sold retail to all industrial, pasture, stockwater, feedlot, and bulk water service connections. Include the amount of water sold to all farmsteads using at least 200,000 gallons of water per year.
- Column 5: The amount of water sold retail to your residential and commercial customers and to industries and farmsteads using less than 200,000 gallons of water per year.
- Column 6: The amount of water used that is metered at individual service connections and supplied free, such as for public service, treatment processes, and connections receiving free water.
- Column 7: The amount of remaining water used. The gallons reported in this column are found by adding the numbers in Columns 1 and 2 and subtracting the numbers in Columns 3, 4, 5, and 6.

**UNACCOUNTED FOR WATER**

Use the following to calculate your distribution system's Unaccounted For Water:

Start with the amount in Column 1 and add the amount in Column 2, then subtract the amounts in Columns 3, 4, 5, and 6 leaving an amount of water representing your unaccounted for water to enter in Column 7.

Use the following to calculate the percent Unaccounted For Water versus the Total Water of your system:

$$\text{Percent Unaccounted For Water} = \frac{\text{Unaccounted For Water}}{\text{Total Water (Columns 1,2)}} \times 100$$

If this number exceeds 20%, please explain the large amount of unaccounted for water and describe any steps being taken to reduce it.

WATER RESOURCES  
RECEIVED

OCT 17 2017

KS DEPT OF AGRICULTURE

**SECTION 2: PAST WATER USE**

**COMPLETE THE FOLLOWING TABLE FROM YOUR PAST WATER USE RECORDS.**

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Above Explanation)
20 years ago							
15 years ago							
10 years ago	18,923,000	0	0	768,000	15,186,000	2,728,000	241,000
5 years ago	17,240,000	0	0	0	10,271,000	1,942,000	5,027,000
	<b>TOTAL WATER = Columns 1 + 2</b>		<b>ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6</b>			<b>UNACCOUNTED FOR WATER</b>	

**SECTION 3: PROJECTED FUTURE WATER NEEDS**

PLEASE COMPLETE THE FOLLOWING TABLE SHOWING YOUR FUTURE WATER REQUIREMENTS FOR THE NEXT 20 YEARS:

	Column 1 Raw Water Diverted Under Your Rights	Column 2 Water Purchased From All Sources	Column 3 Water Sold to Other Public Water Suppliers	Column 4 Water Sold to Your Industrial, Stock, and Bulk Customers	Column 5 Water Sold to Your Residential and Commercial Customers	Column 6 Other Metered Water	Column 7 Remaining Water Used (See Explanation on other side)
Year 5	20,000,000						
Year 10	20,000,000						
Year 15	20,000,000						
Year 20	20,000,000						
<b>TOTAL WATER = Columns 1 + 2</b>			<b>ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6</b>			<b>UNACCOUNTED FOR WATER</b>	

**SECTION 4: POPULATION AND SERVICE CONNECTIONS**

ESTIMATE THE NUMBER OF PERSONS DIRECTLY SERVED BY YOUR WATER DISTRIBUTION SYSTEM

PAST POPULATION - PROVIDE INFORMATION BELOW:  
(CENSUS BUREAU INFORMATION)

LAST 20 YEARS	POPULATION
20 years ago	
15 years ago	
10 years ago	657
5 years ago	465
Last Year	465

PROJECTED FUTURE POPULATION

ESTIMATE FUTURE POPULATION AND SUBSTANTIATE NUMBERS ON SEPARATE ATTACHMENTS

NEXT 20 YEARS	POPULATION
Year 5	465
Year 10	465
Year 15	465
Year 20	465

Provide number of current active service connections:

210 Residential      \_\_\_\_\_ Industrial      9 Other (specify) City  
24 Commercial      \_\_\_\_\_ Pasture/ Stockwater/ Feedlot      243 **Total**

**SECTION 5: PRESENT GALLONS PER PERSON PER DAY**

CALCULATE YOUR GALLONS PER PERSON PER DAY

Water in Columns 5, 6, and 7 ÷ Population ÷ 365 Days/Year = Gallons per Person per Day

13,406,000 ÷ 465 ÷ 365 Days/Year = 79 GALLONS PER PERSON PER DAY.  
 Amount of water in Columns 5, 6, and 7 of Section 1      Population from Last Year of Section 4

**SECTION 6: AREA TO BE SERVED**

Describe the area to be served or provide the legal description of the location where the water is to be used including any other city of water supply system (i.e. Rural Water District): \_\_\_\_\_

City of Florence and Immediate Vicinity

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

## Schemm, Doug [KDA]

---

**From:** Tietsort, Katie  
**Sent:** Friday, December 1, 2017 8:17 AM  
**To:** Schemm, Doug  
**Subject:** 49925 City of Florence

Good Morning Doug,

Based on our discussion yesterday, I agree with the approval of the application for the City of Florence. By identifying the source as potentially alluvium, which we haven't seen much of but could be at this location based on its proximity to the Cottonwood River, and the bedrock that appears to be the source of water for area wells, we will ensure the final well will source the authorized formation. Neither source has a safe yield concern in this location in the circle. As you mentioned, this can be determined once the final well log comes in. I will be interested to see where those wells shown in the KGS database plot.

Thanks for all your efforts on this, Katie

Katie Tietsort

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

*Achiever~Responsibility~Input~Relator~Arranger*



#49,925

meets safe  
Yield.

Alluvial Aquifer/

Bedrock  
Aquifer

**Analysis Results**

The selected PD is in an area to new appropriations.

The safe yield, based on the variables listed below is 929.48 AF.

Total prior appropriation in the circle is 251.76 AF.  $-61.38 = 190.38$

Total quantity of water available for appropriation is ~~677.72~~ AF.

739.1 AF

**Safe Yield Variables**

The area used for the analysis is set at 4131 acres.

Potential annual recharge of the area is estimated to be 3.6 inches.

The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 31-OCT-2017 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

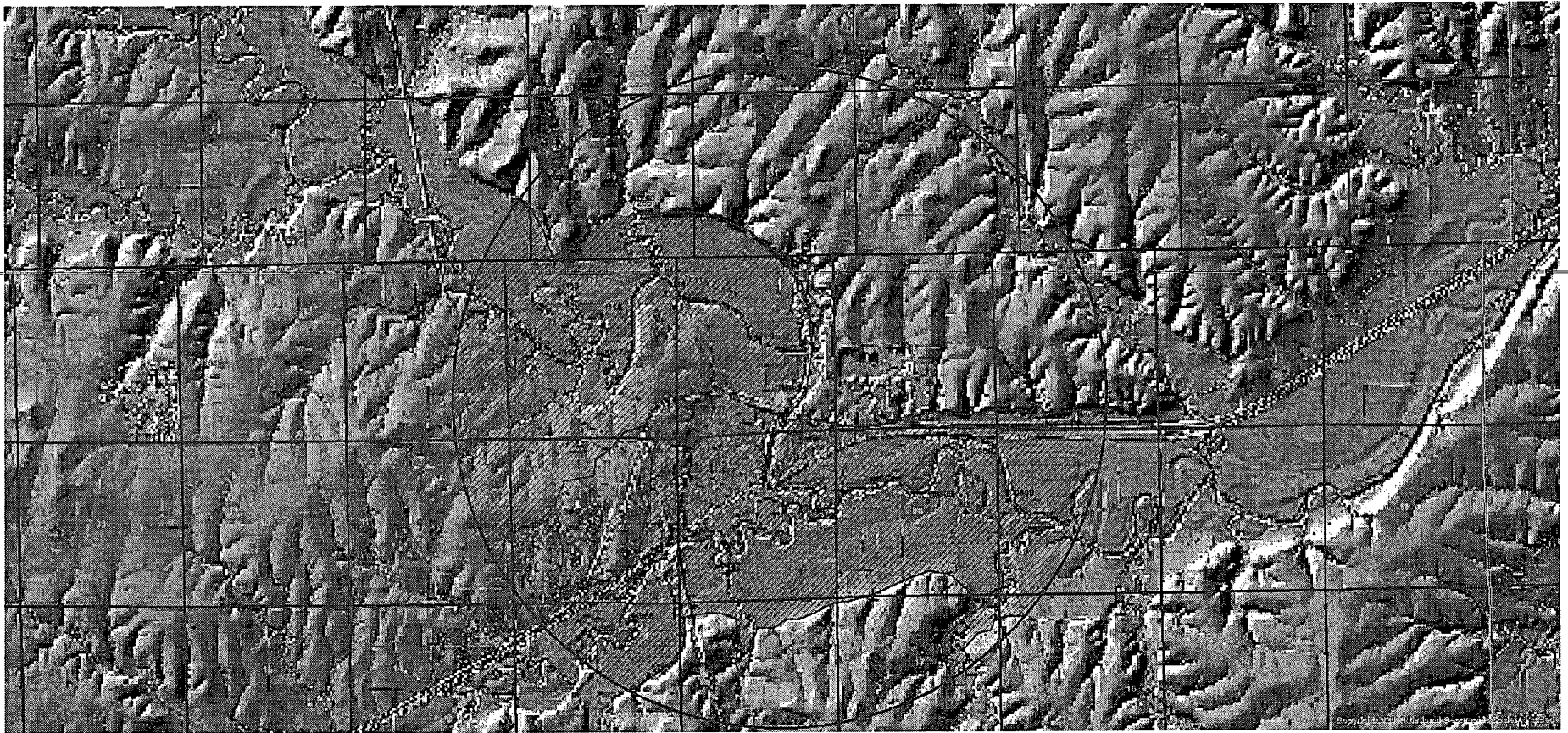
There are 4 water right(s) and 3 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth_Quant	Add_Quant	Tacres	Nacres
A	37265 00	MUN	LR	G		SW	NW	SE	1500	2200	36	20	04E	2	WR	15.34	15.34	
A	37266 00	MUN	LR	G		SW	NW	SE	1650	2100	36	20	04E	1	WR	46.03	46.03	
A	49925 00	MUN	AY	G		NE	SW	SE	1040	1720	06	21	05E	6	WR	<del>61.38</del>	<del>61.38</del>	- Pending
V MN	4 00	MUN	AA	G		SW	NW	SE	1650	2100	36	20	04E	1	WR	129.00	129.00	

Safe Yield Report Sheet  
Water Right- A4992500  
Point of Diversion in SESWNE 6-21S-5E 6 (86388)

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AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A

49925 00

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A

49925 00 MUN

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

1040 Feet North and 1720 Feet West of the Southeast Corner of Section 6 T 21S R 5E

GROUNDWATER ONLY

*meets  
Spacing  
All > 1,320'*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 37265	00	MUN	LR	G	7797	--	SW	NW	SE	1500	2200	36	20	4E	2	15.34	15.34	AF	
A__ 37266	00	MUN	LR	G	7852	--	SW	NW	SE	1650	2100	36	20	4E	1	46.03	46.03	AF	
A__ 49925	00	MUN	AY	G	0	--	NE	SW	SE	1040	1720	6	21	5E	6	61.38	61.38	AF	
VMN	4	00	MUN	AA	G	7852	--	SW	NW	SE	1650	2100	36	20	4E	1	129.00	129.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	61.38	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	61.38	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	.00	.00
Total Vested Amount (AF) =	129.00	.00
TOTAL AMOUNT (AF) =	251.76	.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:

1040 Feet North and 1720 Feet West of the Southeast Corner of Section 6 T 21S R 5E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number Use ST SR

A\_\_ 37265 00 MUN LR G

> CITY OF FLORENCE

>

> 511 MAIN

> FLORENCE KS 66851

A\_\_ 37266 00 MUN LR G

> CITY OF FLORENCE

>

> 511 MAIN

> FLORENCE KS 66851

A\_\_ 49925 00 MUN AY G

> CITY OF FLORENCE

>

> 511 MAIN

> FLORENCE KS 66851

VMN 4 00 MUN AA G

> CITY OF FLORENCE

>  
> 511 MAIN  
> FLORENCE KS 66851

>-----  
=====

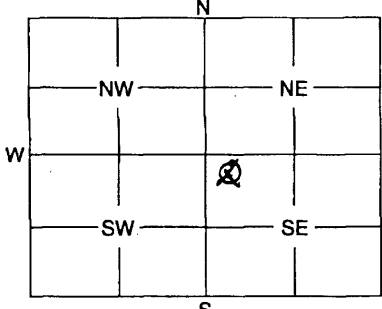
#####



1 LOCATION OF WATER WELL: **511 MAIN FLORENCE**  
 County: **MARION MO, KS** Fraction  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  Section Number Township Number Range Number E/W

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

2 WATER WELL OWNER: **City of Florence**  
 RR #, St. Address, Box #: **511 MAIN FLORENCE KS 66861**  
 City, State, ZIP Code: **FLORENCE KS 66861**  
 Board of Agriculture, Division of Water Resources - Application Number:

3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX:  
  
 4 DEPTH OF WELL **35** ft.  
 WELL'S STATIC WATER LEVEL **21** ft.  
 WELL WAS USED AS:  
 Domestic      5 Public Water Supply      9 Dewatering  
 2 Irrigation      6 Oil Field Water Supply      10 Monitoring Well  
 3 Feedlot      7 Domestic (Lawn & Garden)      11 Injection Well  
 4 Industrial      8 Air Conditioning      12 Other .....

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 BLANK CASING USED:  
 1 Steel      3 RMP (SR)      5 Wrought      7 Fiberglass       Other (Specify below) **HAND DUG**  
 2 PVC      4 ABS      6 Asbestos-Cement      8 Concrete Tile .....

Blank casing diameter ..... in.      Was casing pulled? Yes ..... No ..... If yes, how much .....

Casing height above or below land surface ..... in.

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

Grout Plug Intervals: From ..... ft. to ..... ft., From ..... ft. to ..... ft., From ..... to ..... ft.

What is the nearest source of possible contamination:  
 1 Septic tank      6 Seepage pit      11 Fuel storage      16 Other (specify below)  
 2 Sewer lines      7 Pit privy      12 Fertilizer storage .....

3 Watertight sewer lines      8 Sewage lagoon      13 Insecticide storage  
 4 Lateral lines      9 Feedyard      14 Abandoned water well  
 5 Cess pool      10 Livestock pens      15 Oil well/Gas well

Direction from well? ..... How many feet? .....

FROM	TO	PLUGGING MATERIALS
35 FT.	21 FT.	well sand
21 FT.	5 FT.	CLAY
5 FT.	4 FT.	Bentonite
4 FT.	0 FT.	Black dirt

7 CONTRACTOR'S OF LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) **10-02-08** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .... This Water Well Record was completed on (mo/day/year) ..... under the business name of ..... 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., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 785/296-5522. Send one to Water Well Owner and retain one for your records.

**CORRECTION(S) TO WATER WELL RECORD (WWC-5)**  
(to rectify lacking or incorrect information)

County: Marion

Location listed as:

Section-Township-Range: None Given

Fraction (  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  ): \_\_\_\_\_

Location changed to:

7-215-5E

NW SE NW

Other changes: Initial statements: \_\_\_\_\_

Changed to: \_\_\_\_\_

Comments: \_\_\_\_\_

verification method: Written description, city street map, and mapping tool on KGS website.

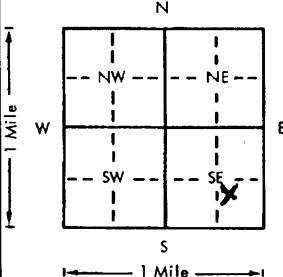
initials: DRD date: 10/21/2008

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726  
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

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

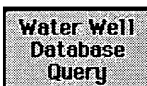
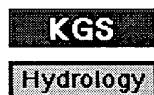
1. Location of well: County <b>Marion</b> Fraction <b>NW 1/4 SE 1/4 SE 1/4</b> Section number <b>6</b> Township number <b>T 21 S</b> Range number <b>R 5 E</b>	
2. Distance and direction from nearest town or city: <b>1/2 East 1/4 North</b> Street address of well location if in city: <b>Florence</b> 3. Owner of well: <b>Sunflower Crushed Stone Inc</b> R.R. or street: <b>RR-1 Po Bx 125</b> City, state, zip code: <b>Florence Kansas 66851</b>	
4. Locate with "X" in section below: Sketch map: 	
5. Type and color of material	
	From To
Top Soil & waste Rock.	0 10
Shale Gray some Calc Lens.	10 20
Shale Red. (Dense)	20 28
Soft Lime Gray	28 29
Hard Gray Lime (Water)	29 34
Shale Gray - Green.	34 44
Hard Gray Lime.	44 46
Shale with silt stone Lens.	46 58
Water produces from seam + crack in Lime. TD	58
Two Tests approx 1500' NE produced salt + high mineral water from 130' down to 190' these were cemented & filled to surface (Tests were approx 50' higher elevation.) (Use a second sheet if needed)	
18. Elevation: Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Upland <input checked="" type="checkbox"/> Valley	19. Remarks: <b>Well located on top of High Bank East of River does not flood. Drilled in the weathered rock back from the River about 100'</b>
6. Bore hole dia. <b>10</b> in. Completion date <b>5/4/1978</b> Well depth <b>58</b> ft.	
7. <input checked="" 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 type="checkbox"/> Reverse rotary	
8. Use: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input 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	
9. Casing: Material <input type="checkbox"/> Height: Above or below <input type="checkbox"/> Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface <b>2.5 Ft.</b> RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight <input type="checkbox"/> lbs./ft. Dia. <b>8</b> in. to <b>58</b> ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. <b>3/8"</b>	
10. Screen: Manufacturer's name <b>Shop</b> <b>Saw slot</b> Type <input type="checkbox"/> Dia. <b>8</b> Slot/ft. <b>1/16 x 9</b> Length <input type="checkbox"/> Set between <b>22</b> ft. and <b>54</b> ft. <input type="checkbox"/> ft. and <input type="checkbox"/> ft. Gravel pack? <b>No</b> Size range of material <input type="checkbox"/>	
11. Static water level: <b>25</b> ft. below land surface Date <b>5/4/1978</b> mo./day/yr.	
12. Pumping level below land surfaces: <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. Estimated maximum yield <b>4-5</b> g.p.m.	
13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <input type="checkbox"/> mo./day/yr.	
14. Well head completion: <input type="checkbox"/> Pitless adapter <b>30</b> inches above grade	
15. Well grouted? <input checked="" type="checkbox"/> With <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From <b>0</b> ft. to <b>14</b> ft.	
16. Nearest source of possible contamination: ft. <b>100'</b> Direction <b>West</b> Type <b>River</b> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name <input type="checkbox"/> Model number <input type="checkbox"/> HP <input type="checkbox"/> Volts <input type="checkbox"/> Length of drop pipe <input type="checkbox"/> ft. capacity <input type="checkbox"/> g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other	
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. <b>McAfee Drilling 203</b> Business name <b>Cottonwood Falls KS</b> License No. <b>40-115555</b> Address <b>401 W. Main</b> Signed <b>J. McAfee</b> Date <b>5/4/78</b> Authorized representative	

21  
 5-0  
 40-115555  
 1/4 1/4 1/4

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

Form WWC-5





Township: 21S, Range: 5E  
 Select location of well to view details.  
 Click on column heading to sort.



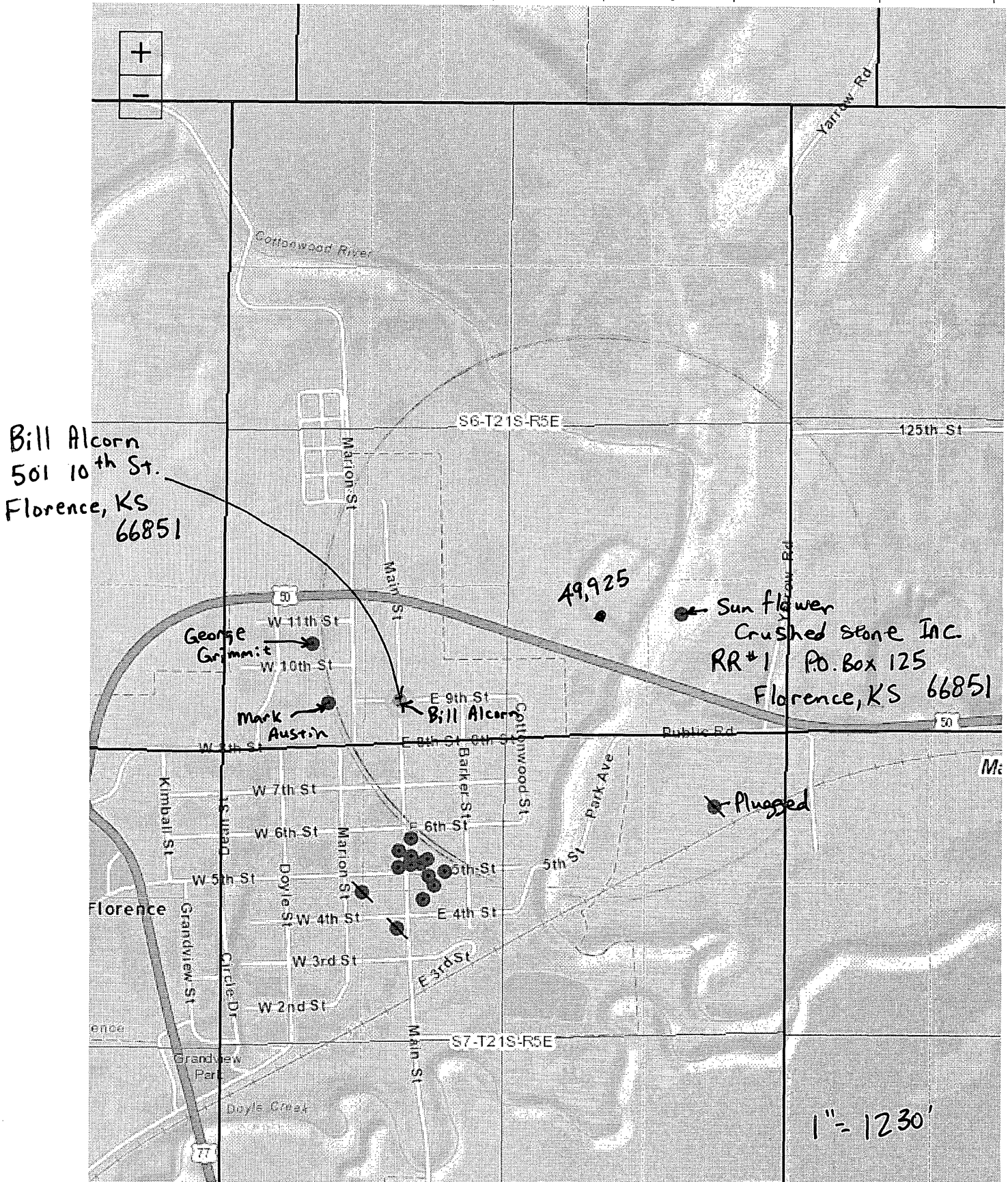
42 records returned.

<u>T-R-S</u>	<u>Owner</u>	<u>Well Depth</u> <u>Ascend.</u> <u>Desc.</u>	<u>Static Water Level</u> <u>Ascend.</u> <u>Desc.</u>	<u>Est. Yield</u> <u>Ascend.</u> <u>Desc.</u>	<u>Well Use</u>	<u>Other ID</u>	<u>Action Taken</u>	<u>Completion Date</u> <u>Ascend.</u> <u>Desc.</u>	<u>Scan?</u>
<u>Sec. 1</u> <u>NE</u> <u>NE</u>	Soyez, Frank R.	29 ft.	12 ft.		Domestic		Plugged	21-Mar-2001	<a href="#">PDF</a>
<u>Sec. 1</u> <u>NE</u> <u>NE</u> <u>NE</u>	Roberts, Sam	60 ft.	26 ft.	8 gpm.	Lawn and Garden - domestic only		Constructed	28-Mar-1981	<a href="#">PDF</a>
<u>Sec. 1</u> <u>NE</u> <u>NE</u> <u>NE</u>	Mai, Anita	25 ft.	21 ft.		Domestic		Plugged	14-May-1996	<a href="#">PDF</a>
<u>Sec. 3</u> <u>SW</u> <u>SW</u> <u>SW</u>	Lalouette, Leslie	58 ft.	33 ft.	20 gpm.	Domestic		Constructed	25-Jan-2002	<a href="#">PDF</a>
<u>Sec. 6</u> <u>SW</u> <u>SE</u> <u>SW</u>	Alcorn, Bill	50 ft.	11 ft.	20 gpm.	Domestic		Constructed	16-Jun-2001	<a href="#">PDF</a>
<u>Sec. 6</u> <u>SW</u> <u>NE</u> <u>SW</u> <u>SW</u>	Grimmitt, George	64 ft.	28 ft.	15 gpm.	Lawn and Garden - domestic only		Constructed	31-Aug-1984	<a href="#">PDF</a>
<u>Sec. 6</u> <u>SE</u> <u>SW</u> <u>SW</u>	Austin, Mark	40 ft.	11 ft.	20 gpm.	Domestic		Constructed	21-Jul-2001	<a href="#">PDF</a>
<u>Sec. 6</u> <u>NW</u> <u>SE SE</u>	Sunflower Crushed Stone, Inc.	58 ft.	25 ft.	4 gpm.	Domestic		Constructed	04-May-1978	<a href="#">PDF</a>
<u>Sec. 7</u> <u>NE</u> <u>SE</u> <u>NW</u>	Shanklin Oil	25 ft.	17.77 ft.		Monitoring well/observation/piezometer	MW 11	Constructed	05-Jan-2010	<a href="#">PDF</a>
<u>Sec. 7</u> <u>NE</u> <u>SE</u> <u>NW</u>	Shanklin Oil	24 ft.	17.95 ft.		Monitoring well/observation/piezometer	MW 12	Constructed	05-Jan-2010	<a href="#">PDF</a>
<u>Sec. 7</u> <u>SW</u> <u>NE</u> <u>NW</u>	Shanklin Oil	30 ft.	9.21 ft.		Monitoring well/observation/piezometer	MW 2	Constructed	15-Jun-2009	<a href="#">PDF</a>

# Kansas Water Wells

Kansas Geological Survey

Statewide View | Zoom to Location | Filter Wells | Label Wells | Classify Wells | Download Wells | Print to PDF |





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

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

Phone: (785) 296-5733

Fax: (785) 296-8298

[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

Sam Brownback, Governor

December 6, 2017

SUNFLOWER CRUSHED STONE INC  
RR #1  
PO BOX 125  
FLORENCE KS 66851

Re: Pending New Application, File No. 49,925

Dear Sir or Madam:

This is to advise you that the City of Florence has filed the application referred to above for a permit to appropriate 20 million gallons (61.38 acre-feet) of groundwater per calendar year for municipal use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is the geographic center of a battery of wells located as follows:

In the Northeast Quarter of the Southwest Quarter of the Southeast Quarter of Section 6, in Township 21 South, Range 5 East, Marion County, Kansas.

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

You can find the application and site map posted by the file number referenced above at:  
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

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

Sincerely,

A handwritten signature in black ink that reads "Douglas W. Schemm".

Douglas W. Schemm  
Environmental Scientist  
Topeka Field Office

pc: City of Florence % Robert Gayle Jr. – Mayor



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

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

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

December 6, 2017

BILL ALCORN  
501 10<sup>TH</sup> STREET  
FLORENCE KS 66851

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Sincerely,

A handwritten signature in cursive script that reads "Doug Schemm".

Douglas W. Schemm  
Environmental Scientist  
Topeka Field Office

pc: City of Florence % Robert Gayle Jr. - Mayor



**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

Applicant City of Florence  
New Application

49925



★ Point of Diversion

All wells of any kind within a half mile of the proposed point(s) of diversion have been plotted.

Signature

Date

1 inch = 2,000 feet

KAB/DWR

Date: 10/17/2017

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 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

**WATER RESOURCES  
RECEIVED**

**OCT 17 2017**

**KS DEPT OF AGRICULTURE**



1320 Research Park Drive  
Manhattan, Kansas 66502

Jackie McClaskey, Secretary



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

October 17, 2017

CITY OF FLORENCE  
ROBERT GAYLE JR, MAYOR  
511 MAIN ST  
FLORENCE KS 66851

RE: Application  
File No. 49925

Dear Sir or Madam:

Your application for permit to appropriate water in 6-21S-5E in Marion 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 black ink that reads "Kristen A. Baum".

Kristen A. Baum  
New Applications Unit Supervisor  
Water Appropriation Program

BAT: dlw  
pc: TOPEKA Field Office  
GMD

SCANNED

# Applicant City of Florence New Application

49925



\* Per discussion with applicant (Robert Gayle-Maynor) there are no known wells within 1/2 mile of the proposed well battery. DWS/DWR 11/28/17.

★ Point of Diversion

\* All wells of any kind within a half mile of the proposed point(s) of diversion have been plotted.

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Signature \_\_\_\_\_ Date \_\_\_\_\_

1 inch = 2,000 feet  
KAB/DWR  
Date: 10/17/2017

SCANNED