



File No. <b>49,585</b>	15. Formation Code:	Drainage Basin: Arkansas River	County: SU	Special Use:	Stream:
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16. Points of Diversion	17. Rate and Quantity
T MOD DEL ENT	Authorized Rate gpm
PDIV Qualifier S T R ID 'N 'W	Additional Quantity af Rate gpm Quantity af Overlap PD Files
<b>MOD 85111 SWSWSW 8 30S 2E 15 309 5048</b> <i>Geo</i>	<b>800 285 800 285 NONE</b>
<b>CHK 85112 SWSWSW 8 30S 2E 16 90 5000</b> <i>Batt</i>	<i>Lot 4</i>
<b>CHK 85113 SWSWSW 8 30S 2E 17 360 4850</b> "	"
<b>MOD 85114 SWSWSW 8 30S 2E 18 280 5193</b> "	"
<b>MOD 85115 SWSWSW 8 30S 2E 19 506 5150</b> "	"

18. Storage: Rate _____ NF    Quantity _____ ac/ft    Additional Rate _____ NF    Additional Quantity _____ ac/ft
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19. Limitation: _____ af/yr at _____ gpm ( _____ cfs) when combined with file number(s) _____ Limitation: _____ af/yr at _____ gpm ( _____ cfs) when combined with file number(s) _____
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20. Meter Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    To be installed by <b>12/31/2017</b> Date Acceptable Meter Installed _____
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21. Place of Use	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files
T MOD DEL ENT	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				
PUSE S T R ID																				
<b>MOD 51459 8 30S 2E 2</b>									<b>33</b>	<b>25</b>	<b>35</b>	<b>34.5</b>		<b>23</b>	<b>34</b>		<b>184.5</b>	<b>7a.</b>	<b>No</b>	<b>NONE</b>
<b>MOD 67634 17 30S 2E 4</b>	<b>40</b>	<b>40</b>															<b>80</b>	<b>7a.</b>	<b>No</b>	<b>NONE</b>
<b>ENT 68021 7 30S 2E</b>													<i>Lot 4</i> 1.5		<i>Lot 5</i> 6.5		<b>8</b>	<b>7a.</b>	<b>No</b>	<b>NONE</b>

Comments:

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

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

**TO:** Files

**DATE:** September 1, 2016

**FROM:** Austin McColloch

**RE:** New Application,  
File No. 49,585

Larry Parker has filed an application to appropriate groundwater for irrigation use, requesting a battery of four (4) wells, with a quantity of 285 acre-feet of water per calendar year, and a diversion rate of 800 gallons per minute. The proposed point of diversion has a geographical center located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Section 8, more particularly described as being near a point 309 feet North and 5,048 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East, Sumner County, Kansas, within the Arkansas River drainage basin. The local source of supply is to be Main Stream Alluvium (113).

There are no other water rights overlapping the point of diversion or place of use. The applicant has signed the application form stating that they have legal access to the point of diversion.

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

The point of diversion is not located within a GMD or other special use area. Per the requirements in K.A.R. 5-3-11, safe yield was determined through WIMAS. Calculated recharge, based on the above referenced study, is 5.4 inches, and for the hydrologic units within the study area, 75 percent of the calculated recharge can be considered to be available for appropriation. The safe yield determination was based on Area of Consideration x potential annual recharge x percent of recharge available, as follows: 6,301 acres x 5.4 inches x 75% = 25,519.05 acre-inches / 12 = 2,126.59 acre-feet. Prior appropriations and pending applications senior to this file no. within the same area of consideration total 1,735.28 acre-feet, which leaves 391.31 acre-feet available for appropriation. Therefore, safe yield determination resulted in water available for appropriation within this area of consideration.

**SCANNED**

The place of use is 272.5 acres proposed for irrigation purposes. The proposed quantity of 285 acre-feet per calendar year provides 1.04 acre-feet per acre, making it within the reasonable quantity for Sumner County (1.3).

According to the WRIS database, the nearest non-domestic point of diversion (File No. 6,655) is located over 1,660 feet away and is also owned by the applicant. Two (2) domestic wells within one-half ( $\frac{1}{2}$ ) mile of the point of diversion were identified by the applicant. There does not appear to be any domestic well within 660 feet. Nearby letters were sent out on July 13, 2016 notifying of the diversion works proposed. Two (2) domestic wells within one-half ( $\frac{1}{2}$ ) mile of the point of diversion were identified by the Stafford Field Office. Nearby letters were sent out on August 8, 2016 notifying of the diversion works proposed. No response of any kind was received.

In an August 31, 2016 e-mail, Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the application.

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.

Based on the above discussion, the area is open to new appropriations, the application complies with safe yield and well spacing criteria, 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.



Austin McColloch  
Environmental Scientist

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

September 21, 2016

LARRY C & RHONDA J PARKER  
1103 S CENTRAL AVE  
MULVANE KS 67110-8349

Re: Appropriation of Water  
File No. 49,585

Dear Mr. or Mrs. Parker:

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 must be used to provide the information required on the annual water use report.

The enclosed form must be used to notify the Chief Engineer that the proposed diversion works have been completed. Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works and pay the field inspection fee within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. 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 enclosed permit. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right.

If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,



Brent A. Turney, P.G.  
Change Application Unit Supervisor  
Division of Water Resources

BAT:am  
Enclosures  
pc: Stafford Field Office



**FILE COPY**

**KANSAS DEPARTMENT OF AGRICULTURE**  
Jackie McClaskey, Secretary of Agriculture

**DIVISION OF WATER RESOURCES**  
David W. Barfield, Chief Engineer

**APPROVAL OF APPLICATION  
and  
PERMIT TO PROCEED**  
(This is not a Certificate of Appropriation)

This is to certify that I have examined Application **File No. 49,585** of the applicant

**LARRY C & RHONDA J PARKER  
1103 S CENTRAL AVE  
MULVANE KS 67110-8349**

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 **March 23, 2016**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
8	30S	2E								33	25	35	34.5		23	34		184.5	
17	30S	2E	40	40														80.0	
7	30S	2E												Lot 4 1.5			Lot 5 6.5	8.0	

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 Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW¼ SW¼ SW¼), of Section 8, more particularly described as being near a point 309 feet North and 5,048 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East, Sumner 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 **285 acre-feet** of water for any calendar year.

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

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

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

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

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

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

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

13. 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).

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

15. That the applicant identified in this order shall install an anti-reverse totalizing water flowmeter which meets or exceeds specifications adopted by the Chief Engineer.

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

17. 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.



### CERTIFICATE OF SERVICE

On this 6 day of September, 2016, I hereby certify that the foregoing Approval of Application, File No. 49,585, dated September 2, 2016 was mailed postage prepaid, first class, US mail to the following:

LARRY C & RHONDA J PARKER  
1103 S CENTRAL AVE  
MULVANE KS 67110-8349

With photocopies to:

Stafford Field Office



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Division of Water Resources



WATER RESOURCES RECEIVED

MAR 23 2016 1:00

KS DEPT OF AGRICULTURE

THE STATE OF KANSAS



WATER RESOURCES RECEIVED

MAR 23 2016

UNACCEPTABLE FOR PRIORITY 2:30 KS DEPT OF AGRICULTURE

KANSAS DEPARTMENT OF AGRICULTURE Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES David W. Barfield, Chief Engineer

File Number 49,585

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

WATER RESOURCES RECEIVED

MAY 19 2016

11:33

KS DEPT OF AGRICULTURE

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.)

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MAR 07 2016

UNACCEPTABLE FOR PRIORITY 12:58 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): Larry Parker
Address: 1103 S. Central
City: Mulvane State KS Zip Code 67112
Telephone Number: (316) 777-4061

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

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

3. The maximum quantity of water desired is 285 acre-feet OR gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR cubic feet per second.

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

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

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

For Office Use Only: F.O. 2 GMD Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source G/S County SU By AW Date 3/23/16 Code RE2 Fee \$ 300 TR # Receipt Date 3/23/16 Check # 6728

APPLICATION COMPLETE 8/31/2016 Reviewer AM

SCANNED

3/28/2016 LLM

AM \* Geo center SW, SW, SW section 8, township 30, Range 2E 309' N 5068' W

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 SW quarter of Section 8, more particularly described as being near a point 90 feet North and 5000 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East West (circle one), Sumner County, Kansas.
- (B) One in the SW quarter of the SW quarter of the SW quarter of Section 8, more particularly described as being near a point 360 feet North and 4850 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East West (circle one), Sumner County, Kansas.
- (C) One in the SW quarter of the SW quarter of the SW quarter of Section 8, more particularly described as being near a point 280 feet North and 5193 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East West (circle one), Sumner County, Kansas.
- (D) One in the SW quarter of the SW quarter of the SW quarter of Section 8, more particularly described as being near a point 506 feet North and 5150 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East West (circle one), Sumner 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):

\_\_\_\_\_ (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 3/11/16, 2016. [Signature]  
Applicant's Signature

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

7. The proposed project for diversion of water will consist of 4 wells (number of wells, pumps or dams, etc.) and (was)(will be) completed (by) 04/01/2017 (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 05/01/2017 (Mo/Day/Year) WATER RESOURCES RECEIVED

WATER RESOURCES RECEIVED MAY 19 2016 KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED MAR 14 2016 KS DEPT OF AGRICULTURE

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SCANNED 07 2016

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

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

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

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

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

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

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

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

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

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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>Elandco</u>	<u>70%</u>	<u>0.6-2.0</u>	_____
<u>Milan</u>	<u>30%</u>	<u>0.6-2.0</u>	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 0-3 %

Estimate the maximum land slope in the field(s): 3 %

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

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

Other, please describe: \_\_\_\_\_

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: 20 psi
- (2) What is the sprinkler package design rate? 800 gpm
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 100 feet
- (4) Please include a copy of the sprinkler package design information.

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

Corn, Soybeans, and wheat

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).

Maintain 70% moisture level with soil probe

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

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Page 2 of 2

# Request 60 Days to provide test Well Log

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from:  Test holes  Well as completed  Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

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

Owner  
(owner, tenant, agent or otherwise)

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

\_\_\_\_\_  
(name, address and telephone number)

\_\_\_\_\_  
(name, address and telephone number)

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

Dated at Mulvane, Kansas, this 4 day of 3, 2016.  
(month) (year)

  
\_\_\_\_\_  
(Applicant Signature)

By \_\_\_\_\_  
(Agent or Officer Signature)

\_\_\_\_\_  
(Agent or Officer - Please Print)

Assisted by \_\_\_\_\_ Date: \_\_\_\_\_  
(office/title)

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WATER RESOURCES RECEIVED  
MAR 23 2016

WATER RESOURCES RECEIVED  
MAR 14 2016

WATER RESOURCES RECEIVED  
MAR 07 2016



notified

08

07

WWC5 in SE SE SE

30S02E

well log on file here  
dom stk

notified

17

18

SCANNED



3/4/16  
(Date)

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

Re: Application 49,585  
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.

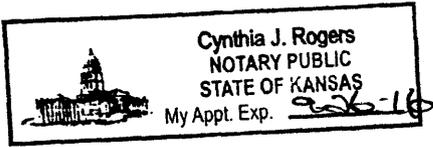
I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

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.

Larry C. Parker  
Signature of Applicant  
Larry C. Parker  
(Print Applicant's Name)

State of Kansas )  
County of Sumner ) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 4 day of March, 2016.



Cynthia J. Rogers  
Notary Public

My Commission Expires: 2-26-16

WATER RESOURCES RECEIVED

WATER RESOURCES RECEIVED

WATER RESOURCES RECEIVED

WATER RESOURCES RECEIVED

MAY 19 2016

MAR 23 2016

MAR 14 2016

MAR 07 2016

SCANNED

DWR 100.171 (Revised 03/27/2008)

KS DEPT OF AGRICULTURE

KS DEPT OF AGRICULTURE

KS DEPT OF AGRICULTURE

KS DEPT OF AGRICULTURE

**IRRIGATION USE  
SUPPLEMENTAL SHEET**

File No. 49,585

Name of Applicant (Please Print): Larry C Parker

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: Larry C Parker  
ADDRESS: 1103 S. Central Mulvane, KS 67110

\*AM  
6/16/16

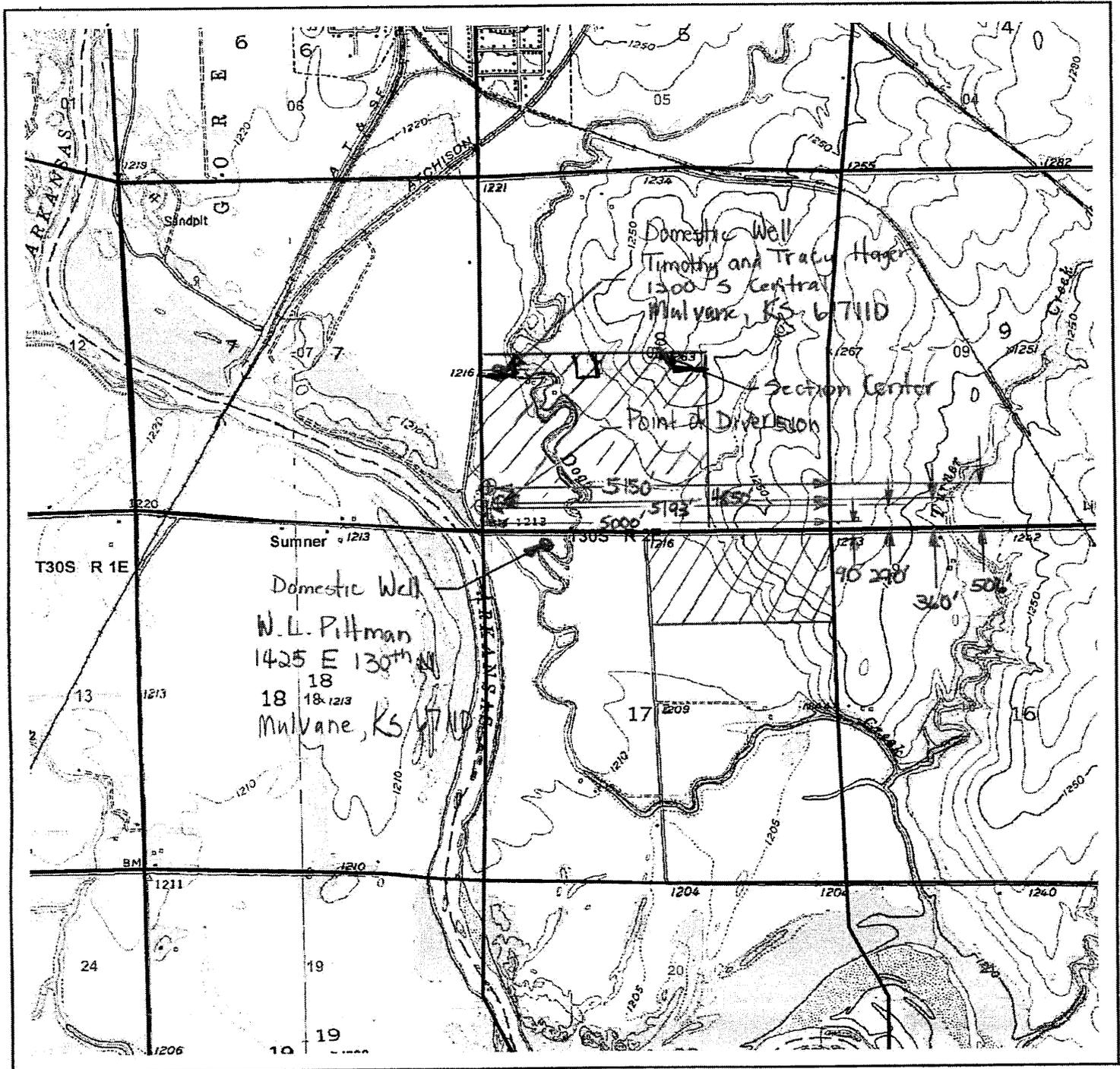
S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
8	305	2E												<del>40</del>	<del>40</del>	<del>40</del>	<del>40</del>	<del>40</del>	<del>40</del>	240	184.5	
17	305	2E	40	40										33	25	35	34.5		23	34	80	
7	30	2E																Lot 4 1.5			Lot 5 6.5	8

Landowner of Record NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

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

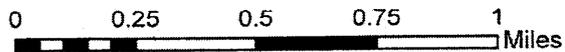
Landowner of Record NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

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



//// - Requested Place of use

- + - section center
- ⊕ - Irrigation well
- - Domestic Well



All wells of any kind within 1/2 mile of the requested point of diversion have been plotted

## Water Appropriation, file No. 49,585

Proposed Point of Diversion & Place of Use

Sec 8 -Twp 30S -Rng 2E

Sumner County, Kansas

AM/DWR

Date: 4/25/2016

SCANNED

## McColloch, Austin

---

**From:** Lanterman, Jeff  
**Sent:** Wednesday, August 31, 2016 4:50 PM  
**To:** McColloch, Austin  
**Cc:** Conant, Cameron  
**Subject:** FW: Recommendation File No. 49,585  
**Attachments:** 49585\_Memo.doc; 49585 test hole.pdf; 49585 map.jpg; Safe Yield Report Sheet.docx

Austin;

This one looks OK to approve. Good work!

Jeff

---

**From:** Conant, Cameron  
**Sent:** Wednesday, August 31, 2016 4:45 PM  
**To:** Lanterman, Jeff <Jeff.Lanterman@ks.gov>  
**Subject:** FW: Recommendation File No. 49,585

Jeff, this is a new application for a battery of wells in Sumner County.

I've attached the submitted test log showing SWL of 12', shale at 58' for a saturated thickness of 46' near the proposed battery location (according to the log, this was a cased well perforated from 20'-58', so likely intended to be a production well). As you can see on the log, the other test hole in the NW corner of the field had SWL of 12' and shale at 25'. Much better log at the location of the proposed battery.

All nearby wells have been notified, does not appear that there were any responses. The proposed battery meets spacing to all nearby wells (see rough map).

Austin truncated a portion out of the 2 mile area of consideration, the SY analysis is attached and looks fine.

Below is the nearest area hydrograph. After this one, they get 6+ miles away and aren't that helpful. The included hydrograph shows stable water levels, even during the drought.

[http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs\\_id=372648097151401](http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=372648097151401) (#1 on the map, 55' deep, ~3/4 mile SW of proposed).

The applicant is requesting 1.04AF/acre. Sumner County allows 1.3AF/ac. The standard for calculating MRQ when dealing with a change application (which we have applied to new applications in the past), is 50% NIR/0.85. In this case the MRQ is  $0.86/0.85=1.01AF/ac$ . Since this application proposes 1.04AF/ac, it is within what we consider reasonable.

I don't know why the applicant requested so much less than the normally allowed AF/ac, but this application appears to comply with all applicable regs and proposes what we generally consider a "reasonable quantity" under other circumstances. I think this can be recommended for approval, please pass on to Austin if you agree.

Cameron

---

**From:** McColloch, Austin  
**Sent:** Friday, August 26, 2016 9:15 AM  
**To:** Conant, Cameron

SCANNED

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

August 8, 2016

JOSEPH J & TONYA HOGUE  
1425 E 130<sup>TH</sup> AVE N  
MULVANE KS 67110

**FILE COPY**

Re: Application  
File No. 49,585

Dear Sir or Madam:

This is to advise you that Lary Parker has filed the application referred to above for permit to appropriate 285 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute from a well or wells located as follows:

a battery of four (4) wells with a geographical center located in the SW Quarter of the SW Quarter of the SW Quarter (SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>) of Section 8, more particularly described as being near a point 309 feet North and 5,048 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East, Sumner County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion is also enclosed. Records in this office indicate that you may have a well or wells in this vicinity and you are notified of receipt of this application in order that you may be fully informed of the proposed location(s) of the applicant's point(s) of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter.

If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Austin McColloch  
Environmental Scientist  
Division of Water Resources

Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

August 8, 2016

TWYLA L. HOOBLER, TR  
1346 E 130<sup>TH</sup> AVENUE  
MULVANE KS 67110

**FILE COPY**

Re: Application  
File No. 49,585

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If you have any questions, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Austin McColloch  
Environmental Scientist  
Division of Water Resources

Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

## **Turney, Brent**

---

**From:** Larry Parker <lcpfarms10@yahoo.com>  
**Sent:** Wednesday, July 13, 2016 8:36 AM  
**To:** Turney, Brent  
**Subject:** Re: File No 49585

The changes are acceptable

On Tuesday, July 12, 2016 1:21 PM, "Turney, Brent" <[Brent.Turney@ks.gov](mailto:Brent.Turney@ks.gov)> wrote:

Larry,  
I sent this information to you on June 20<sup>th</sup>, could you please review the attachment and let me know if it is acceptable to you?  
Thanks,  
Brent

**Brent A. Turney, P.G.**  
**Kansas Department of Agriculture**  
**Division of Water Resources**  
**1320 Research Park Drive**  
**Manhattan Kansas 66502**  
**(785) 564-6645**  
**[Brent.Turney@kda.ks.gov](mailto:Brent.Turney@kda.ks.gov)**  
**[www.agriculture.ks.gov](http://www.agriculture.ks.gov)**

---

**From:** Turney, Brent  
**Sent:** Monday, June 20, 2016 3:46 PM  
**To:** 'Larry Parker'  
**Subject:** RE: File No 49585

Larry,  
We have updated the map and table to what we believe to be proposed for irrigation. Can you please review the attachment for accuracy and let me know if you agree. As you will see we removed several places from the proposed place of use because of existing farmsteads and trees. Those acres were also removed from the table.  
Please respond and let me know if we agree this information is correct.  
Brent

**Brent A. Turney, P.G.**  
**Kansas Department of Agriculture**  
**Division of Water Resources**  
**1320 Research Park Drive**  
**Manhattan Kansas 66502**  
**(785) 564-6645**  
**[Brent.Turney@kda.ks.gov](mailto:Brent.Turney@kda.ks.gov)**

SCANNED

**<http://www.agriculture.ks.gov/>**

---

**From:** Larry Parker [<mailto:lcpfarms10@yahoo.com>]  
**Sent:** Friday, June 17, 2016 8:52 AM  
**To:** Turney, Brent  
**Subject:** Re: File No 49585

ok

On Thursday, June 16, 2016 8:48 AM, "Turney, Brent" <[Brent.Turney@KDA.KS.GOV](mailto:Brent.Turney@KDA.KS.GOV)> wrote:

Larry,

We still have a problem in that the table still includes the acreage taken up by the creek. Since you have mapped it we now have the ability to work off of a scaled map. Why don't you let us measure these acres and modify the table based on our scaled measurements? Once we arrive at the correct numbers we can email them to you for final approval.

We will get back to you later this morning with those numbers.

Brent

**Brent A. Turney, P.G.**  
**Kansas Department of Agriculture**  
**Division of Water Resources**  
**1320 Research Park Drive**  
**Manhattan Kansas 66502**  
**(785) 564-6645**  
**[Brent.Turney@kda.ks.gov](mailto:Brent.Turney@kda.ks.gov)**  
**<http://www.agriculture.ks.gov/>**

---

**From:** Larry Parker [<mailto:lcpfarms10@yahoo.com>]  
**Sent:** Thursday, June 16, 2016 8:40 AM  
**To:** Turney, Brent  
**Subject:** File No 49585

Attached are the changes we discuss.

Larry Parker  
316-204-6231

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

July 13, 2016

W. L. PITTMAN  
1415 E. 130<sup>TH</sup> AVE N.  
MULVANE, KS 67110

**FILE COPY**

Re: Application  
File No. 49,585

Dear Mr. Pittman:

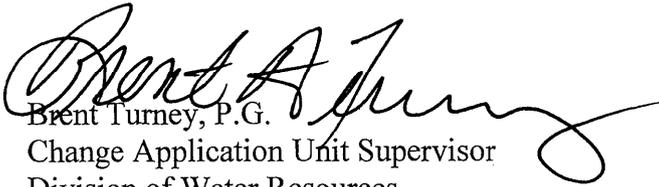
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If you have any questions, please contact me at (785) 564-6645. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

  
Brent Turney, P.G.  
Change Application Unit Supervisor  
Division of Water Resources

BAT:am  
Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

July 13, 2016

TIMOTHY & TRACY HAGER  
1200 S. CENTRAL AVE  
MULVANE, KS 67110

**FILE COPY**

Re: Application  
File No. 49,585

Dear Mr. & Mrs. Hager:

This is to advise you that Lary Parker has filed the application referred to above for permit to appropriate 285 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute from a well or wells located as follows:

a battery of four (4) wells with a geographical center located in the SW Quarter of the SW Quarter of the SW Quarter (SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Section 8, more particularly described as being near a point 309 feet North and 5,048 feet West of the Southeast corner of said section, in Township 30 South, Range 2 East, Sumner County, Kansas.

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If you have any questions, please contact me at (785) 564-6645. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Brent Turney".

Brent Turney, P.G.  
Change Application Unit Supervisor  
Division of Water Resources

BAT:am  
Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

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

March 25, 2016

LARRY PARKER  
1103 S CENTRAL  
MULVANE KS 67110

RE: Application  
File No. 49585

Dear Sir or Madam:

Your application for permit to appropriate water in 8-30S-2E in Sumner 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) 564-6634. 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, appearing to read "K. Kopp", written over a white background.

Kenneth A. Kopp, P.G.  
New Application Unit Supervisor  
Water Appropriation Program

KAK: DLW  
pc: STAFFORDField Office  
GMD

SCANNED