

Kansas Department of Agriculture  
 Division of Water Resources  
**CHANGE: P/D WORKSHEET**

1. File Number: <b>41347</b>	2. Status Change Date: <b>7-6-2021</b>	3. Change Num: <b>C4</b>	4. Field Office: <b>04</b>	5. GMD: <b>03</b>
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: <b>6/17/2021</b>
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8a. LANDOWNER, applicant, WUC    Person ID <b>62849</b> New to system <input type="checkbox"/> Add Seq# _____  <b>SHAFER FAMILY FARMS LLC</b> <b>PO BOX 7602</b> <b>HORSESHOE BAY, TX 78657-7602</b>	8c. Landowner    Person ID _____ New to system <input type="checkbox"/> Add Seq# _____
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8b. Landowner(s),    Person ID _____ New to system <input type="checkbox"/> Add Seq# _____	8d. WUC    Person ID _____ New to system <input checked="" type="checkbox"/> Add Seq# _____
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9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2021**     N & P Date to Comply: \_\_\_\_\_

Anti-Reverse Meter     Meter Seal     Check Valve     N & P Form     Water Tube     Driller Copy     H & E Letter

Conservation Plan    Date Required: \_\_\_\_\_    Date Approved: \_\_\_\_\_    Date to Comply: \_\_\_\_\_

10. Use Made of Water    From: \_\_\_\_\_    To: \_\_\_\_\_

Date Prepared: **7/6/2021**    By: **MAM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **41347**      11. County: **SV**      Basin: **CIMARRON RIVER**      Stream:      Formation Code: **211**      Special Use:

12. Points of Diversion Rate and Quantity  
**CHK** Authorized Additional  
**MOD** Rate Quantity  
**DEL** PDIV Qualifier S T R ID 'N 'W **Comment (AKA Line)** gpm af gpm af Overlap PD Files  
**ENT**

**DEL 12836**

**ENT 85661 SWSWSE 6 33 38W 05 439 2292 1800 555 0 495.4 38616, 40062**

**ALSO OVERLAP WITH 20177124 MF**

13. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

14. Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm (\_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_  
 Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm (\_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_

15. 5YR Allocation: Allocation Type \_\_\_\_\_ Start Year \_\_\_\_\_ 5 YR Amount \_\_\_\_\_ Amount Unit \_\_\_\_\_ Base Acres \_\_\_\_\_ Comment \_\_\_\_\_

16. Place of Use <b>CHK</b> <b>MOD</b> <b>DEL</b> <b>ENT</b>	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
<b>CHK 613</b>																									
<b>CHK 11191</b>																									
<b>CHK 13880</b>																									
<b>CHK 36124</b>																									
<b>CHK 40423</b>																									

**Base Acres:**      **Year:**      **Minimum Reasonable Quantity:**  
 Comments:

Garden City Field Office  
4532 W. Jones, Suite B  
Garden City, KS 67846



Phone: 620-276-2901  
Fax: 620-276-9315  
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

July 6, 2021

SHAFER FAMILY FARMS LLC  
PO BOX 7602  
HORSESHOE BAY, TX 78657-7602

RE: Water Right, File Nos. 435, 38616, 40062, and 41347

Dear Sir:

Enclosed are orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the applications for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in the approvals for change. Conditions of these approvals is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file numbers and meet current specifications. Please return the required notifications of completion of the diversion works and installation of the required ineter as soon as these actions are completed.

Since the orders modify the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

  
Michael A. Meyer  
Water Commissioner

MAM  
enclosures

pc: GMD3

**CERTIFICATE OF SERVICE**

On this 6<sup>th</sup> day of July 2021, I hereby certify that the foregoing Approval of Applications for Change in Point of Diversion, Water Right, File Nos. 435, 38,616, 40,062, and 41,347 dated 7<sup>th</sup> day of July 2021 was mailed postage prepaid, first class, US mail to the following:

SHAHER FAMILY FARMS LLC  
PO BOX 7602  
HORSESHOE BAY, TX 78657-7602

Pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

  
Division of Water Resources Staff

Submit completed application to:  
 Kansas Department of Agriculture  
 Division of Water Resources  
 Field Office for your area.  
 Call for address:  
 Topeka -- (785) 296-5733  
 Stafford -- (620) 234-5311  
 Stockton -- (785) 425-6787  
 Garden City -- (620) 276-2901  
<http://agriculture.ks.gov/dwr>

## DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



**STATE OF KANSAS**

**Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.**  
 Fee Schedule is on the third page of this application form.

**Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions.** If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

File No. 41347

**RECEIVED**  
 1:03 pm  
 JUN 17 2021

Garden City Field Office  
 Division of Water Resources

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use                       Point of Diversion

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is:                       Groundwater                       Surface water

2. Name and address of Applicant: SHAFFER FAMILY FARMS LLC

PO BOX 7602 HORSESHOE BAY, TX. 78657

Phone Number: (620) 428-1063                      Email address: \_\_\_\_\_

Name and address of Water Use Correspondent: WARREN M & AMANDA R WILLIS

613 ROAD N HUGOTON, KS. 67951

Phone Number: (620) 428-1063                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:

Owner of Land ---- NAME: NO CHANGE

ADDRESS: \_\_\_\_\_

(If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: NO CHANGE

ADDRESS: \_\_\_\_\_

(If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

**For Office Use Only:** Code \_\_\_\_\_ Fee \$ 200.00 TR # \_\_\_\_\_ Receipt Date 6-17-21 Check # 2341



5. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ NC \_\_\_\_\_ Quarter of the \_\_\_\_\_ NW \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_ 7 \_\_\_\_\_, Township \_\_\_\_\_ 33 \_\_\_\_\_ South, Range \_\_\_\_\_ 38 \_\_\_\_\_ (E/W),  
 in STEVENS \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 3940 \_\_\_\_\_ feet North \_\_\_\_\_ 3960 \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate 1,800 GPM Authorized Quantity \_\_\_\_\_ 555 AF \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. 2 GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)**  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ SW \_\_\_\_\_ Quarter of the \_\_\_\_\_ SW \_\_\_\_\_ Quarter of the \_\_\_\_\_ SE \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_ 6 \_\_\_\_\_, Township \_\_\_\_\_ 33 \_\_\_\_\_ South, Range \_\_\_\_\_ 38 \_\_\_\_\_ (E/W),  
 in STEVENS \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 439 \_\_\_\_\_ feet North \_\_\_\_\_ 2292 \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point 38416, 40062

6. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)**  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

7. The changes herein are desired for the following reasons?  
 (please be specific) \_\_\_\_\_  
 \_\_\_\_\_

8. If a well, is the test hole log attached?  Yes  No

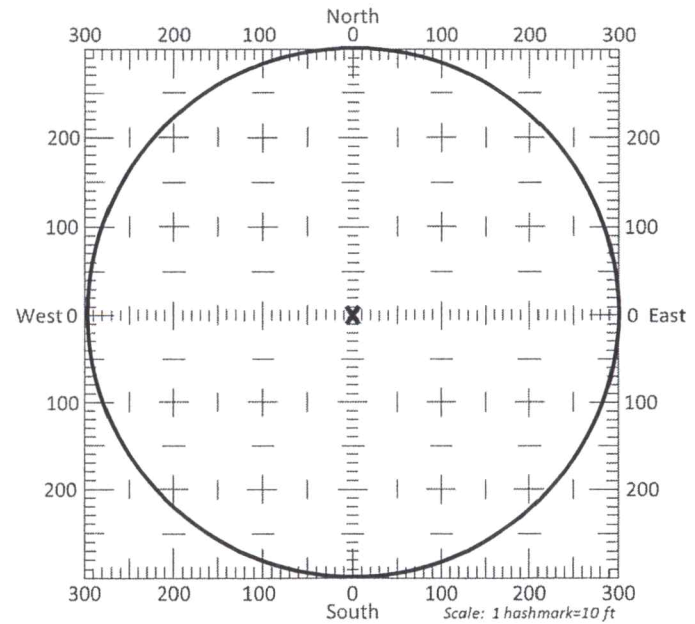
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
 \_\_\_\_\_  
 (b) When will this be done? \_\_\_\_\_

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by \_\_\_\_\_

13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines



13b. If the proposed point of diversion will be relocated within a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. **(PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)**





**SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS**

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law*, K.S.A. 82a-701 *et seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 41347.

1. A change application was received on June 17, 2021 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use.  Applicable  Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 300 foot radius of the authorized point(s) of diversion.  Applicable  Not Applicable
4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application.  Applicable  Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than \_\_\_\_\_ feet from the previously authorized point(s) of diversion.  Applicable  Not Applicable
6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13.  Applicable  Not Applicable
7. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2021**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year.  Applicable  Not Applicable
8. **Installation of the works for diversion of water shall be completed on or before December 31, 2021**, or within any authorized extension of time. By March 1, 2022 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e.  Applicable  Not Applicable
9. **The completed well log shall be submitted with the required notice.**  Applicable  Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c.  Applicable  Not Applicable
11. Additional Conditions are attached.  Yes  No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

**Administrative Appeal and Effective Date of Order**

If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

*For Use by Register of Deeds*

FOR OFFICE USE ONLY  
**APPLICATION APPROVED AND  
SUMMARY ORDER ISSUED**

By: Michael A. Meyer  
Duly Authorized Designee of the Chief Engineer

(Print Name): MICHAEL A. MEYER  
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: July 9, 2021

State of Kansas )

) SS

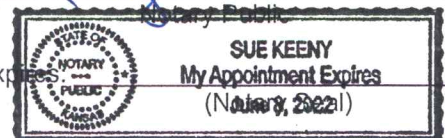
County of Finney )

Acknowledged before me on July 6, 2021

by Michael A. Meyer

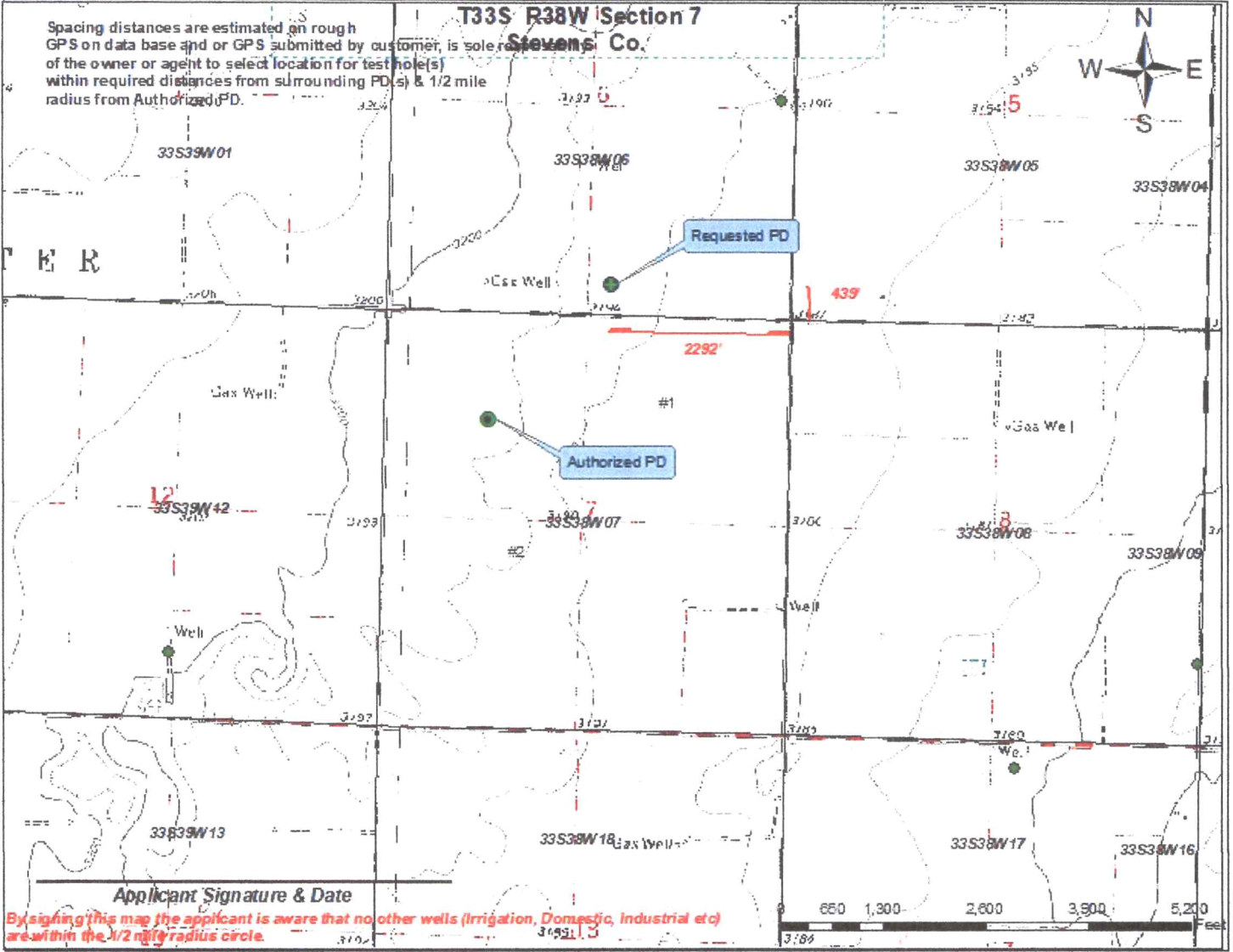
Signature: Sue Keeny

My commission expires \_\_\_\_\_





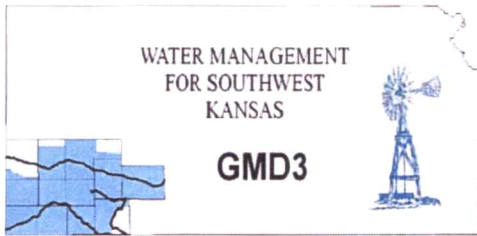
### Point of Diversion Change WR'(s) 38616, 40062, 41347



- Authorized PD
- Requested PD
- Point of Diversion
- ⊗ Half Mile Radius
- Active Water Right w/in 1/2 mile
- + domestic well w/in 1/2 mile
- ▨ Authorized PU
- ▨ Requested PD

- Water Right w/in 1/2 mile & Owner(if apply)**
- #1 Water Right No
  - #2 Water Right No

- Domestic wellt w/in 1/2 mile & Owner (if apply)**
- + A- Domestic well



**Southwest Kansas**  
**Groundwater Management District No. 3**  
**2009 E. Spruce Street**  
**Garden City, Kansas 67846**  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

June 30, 2021

Michael A. Meyer  
Division of Water Resources  
4532 W Jones Ave., Suite B  
Garden City, Kansas 67846

RE: Applications for Change in Point of Diversion  
Water Right, File Nos. 435, 38616, 40062 & 41347

Dear Mike:

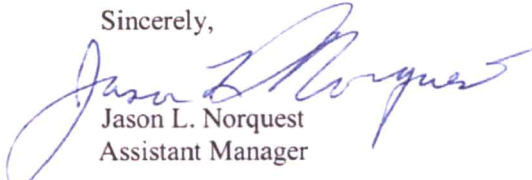
We have completed a review of the applications for the above referenced water rights. The proposed change in authority between the points of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells. The move to the north well will increase the authority from that point of diversion, while the south well is proposed to have less authority than it's recent average reported use.

Well evaluations were conducted again to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4.0 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed one of the neighboring wells, which is under the same ownership, exceeded the net effect above the maximum allowable threshold and required further evaluations. Further analysis showed that the proposed new authority would not be considered critical. Therefore, GMD3 sees this move as reasonable and therefore recommend that the application be approved. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,

  
Jason L. Norquest  
Assistant Manager

RECEIVED

JUN 30 2021

## GMD3 Change Review

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File No(s): 435, 38616, 40062 & 41347.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Shafer Family Farms LLC.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? \_\_\_.

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) \_\_\_ being changed.

	ft. North	ft. West	
Authorized PD	439	2292	Sect 6-33-38
Proposed PD	3940	3960	Sect 7-33-38
Difference	1779	-1668	
$a^2 + b^2 = c^2$	3164841	2782224	2438.66 feet between wells

GPS for proposed PD: Lat: \_\_\_ Long: \_\_\_.

Is proposed PD stacking on existing WRs? Maintain current overlaps.

Is Proposed PU overlapping existing WRs? No Change on these applications, did have a prior application on PU that was approved.

Neighboring certified well(s) notified: \_\_\_.

Name Steve Ellis (15996)

Address 10124 S Big Bow Grade.

Zip Johnson, KS 67855.

Email: steven@pld.com. Phone: 620-353-4561.

Domestic well(s) notified: \_\_\_.

Name \_\_\_.

Address \_\_\_.

Zip \_\_\_.

Base Acres: \_\_\_.

Perfected Acres: \_\_\_.

Irr. Return-Flow \_\_\_%

**Applications propose flip/flopping the authority between the two wells.**

**435 Authorized: 640AF @ 2.23cfs**

**This well was redrilled in 2016, at that time was about 1700' north of current location.**

**Average reported use (2017-2020) = 539AF**

**2018 WUR reported 1200gpm.**

**Did not find any new inspections since the redrill.**

**38616 Authorized: 247.6AF @ 1800gpm**

**40062 Authorized: 524AF @ 1800gpm. Limited to 1800gpm w/38616**



## GMD3 Change Review

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**41347 Authorized: 555AF @ 1800gpm. Limited to 1453AF @ 1800 w/ 38616 & 40062.**

**10year average use reported (2011-2020) = 939.9AF**

**2020 WUR reported 1390gpm.**

**2014 Field inspection calculated 1455gpm (close to reported rate that year)**

Is a waiver needed: The flip in authority is less than half mile and minimum spacing to neighboring wells is met. The move to the north well will have increased authority on the well. The only wells in the area are the applicant's. The first guidelines are exceeded on WR261, but further evaluation showed that the well would not be critical. The change in authority on the south well will decrease the authority on the well to an amount that is less than the prior average use reported and should not cause possible impairment.

Recommendation: Seeing as how this move will send more authority to a well surrounded by the applicant's other wells, analysis shows it not to be critical. The other move will reduce authority in the area. All other current area rules are met. Staff therefore recommends approval of the application.



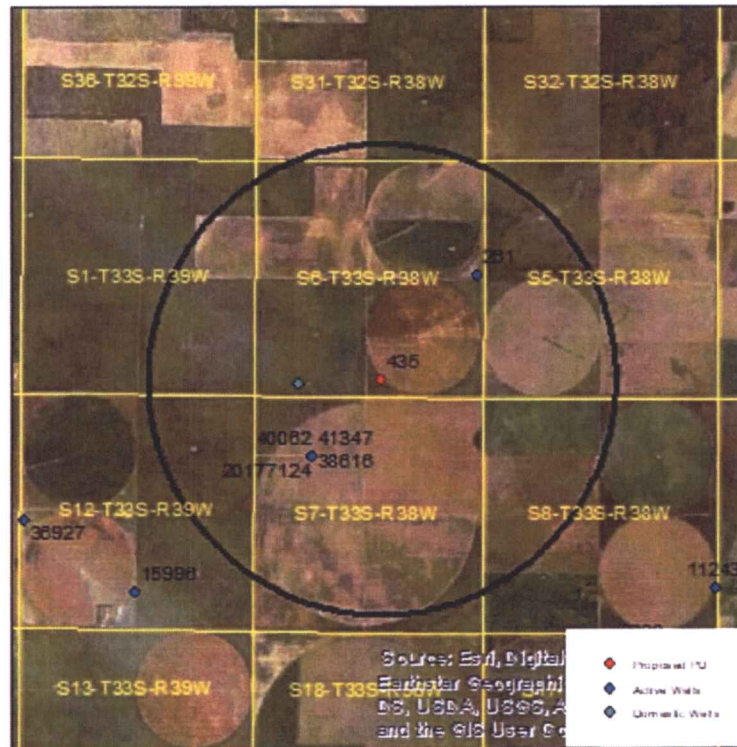
RECEIVED

JUN 30 2021

Garden City Field Office  
Division of Water Resources

**Evaluation of proposed move for Water Right Nos. 435, 38616, 40062, and 41347**

Proposed: Move water right no. 435 to the well currently authorized under water right nos. 38616, 40062, and 41347, a distance of 2,332 ft to the southwest. Move water right nos. 38616, 40062, and 41347 to the well currently authorized under water right no. 435, a distance of 2,332 ft to the northeast. Total authority on the southwest well will be reduced from 1453AF @ 1800 gpm to 640 AF @ 1000 gpm. Total authority on the northeast well will be increased from 640 AF @ 1000 gpm to 1453 AF @ 1800 gpm.



Wells within 1 mile: 261 and a domestic well in section 6-33-38.

The saturated thickness at the proposed well location is estimated to be 226 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

**50 year Theis Analysis:** The following values were used to run the analysis. (Note water right number indicates current well location. Proposed values apply to the well location, not the water right):

$S = 0.05629, T = 11,204 \text{ ft}^2/\text{day},$

435:  $t_{p\text{current}} = 122 \text{ days}, Q_{\text{current}} = 1000 \text{ gpm}, t_{p\text{proposed}} = 183 \text{ days}, Q_{\text{proposed}} = 1800 \text{ gpm}$

38616 & 40062 & 41347:  $t_{p\text{current}} = 153 \text{ days}, Q_{\text{current}} = 1390 \text{ gpm}, t_{p\text{proposed}} = 145 \text{ days},$   
 $Q_{\text{proposed}} = 1000 \text{ gpm}$

These drawdowns were calculated as follows:

261: Drawdown from current location = 9.34 ft  
Drawdown from proposed location = 13.86 ft  
Net drawdown = **4.5 ft**

Domestic 6-33-38: Drawdown from current location = 14.81 ft  
Drawdown from proposed location = 18.00 ft  
Net drawdown = **3.2 ft**

Net drawdown exceeds the drawdown allowance of 4.0 ft for the well authorized under water right no. 261. Critical well analysis is necessary on that well.

**Critical Well Evaluation:**

**261:**

Water Column = 226 ft

DP = 4.5 ft (Net drawdown from the proposal indicated above)

DE = 24.2 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 10.5 ft (S = 0.05629, T = 83,808 gpd/ft, Q = 300 gpm, tp = 127 days, efficiency = 70%)

DT = 39.2 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 226 \text{ ft} = 90.4 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $226 \text{ ft} - 60 \text{ ft} = 166 \text{ ft}$

Total drawdown of 39.2 ft is less than the EDC and PDC, so this well **is not critical**.

**Conclusion:**

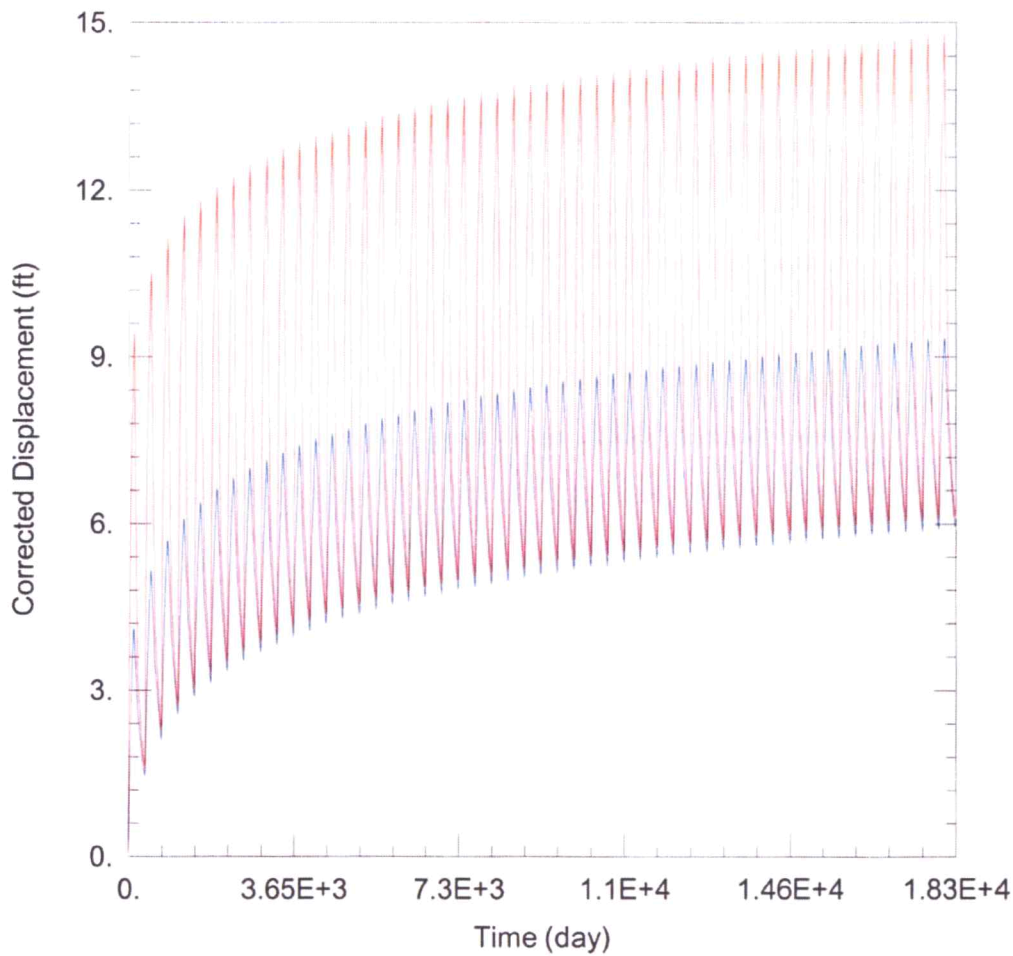
The proposed moves will create an effect on the well authorized under water right no. 261 that is likely to be noticeable. Saturated thickness, modeled declines, and aquifer parameters show that this water right will likely be able to access a similar rate and quantity to its current use over the next 25 years, accounting for the move. This well is also owned and operated by the Applicant. Therefore, GMD3 staff recommends approval of the application.

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JUN 30 2021

Garden City Field Office  
Division of Water Resources





WELL TEST ANALYSIS

Data Set: C:\...\435\_38616\_40062\_41347 Current.aqt

Date: 06/29/21

Time: 14:08:41

PROJECT INFORMATION

Company: GMD 3

Project: 435, 38616, 40062, 41347

Location: Stevens County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
	-201602	119105
	-203158	117368

Observation Wells

Well Name	X (ft)	Y (ft)
□	-201602	119105
□	-203158	117368
□ 261	-199458	121452
□ Domestic 6-33-38	-203471	119030

SOLUTION

Aquifer Model: Unconfined

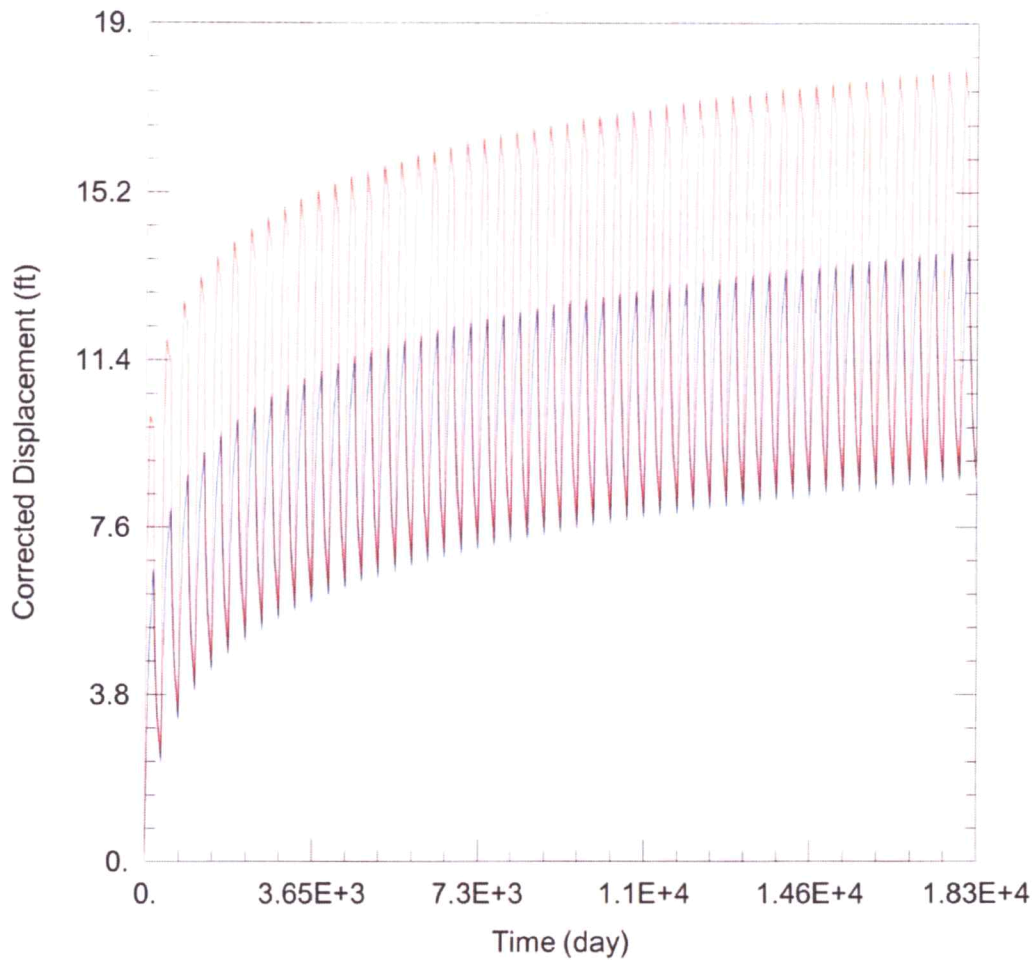
Solution Method: Theis

T = 1.12E+4 ft<sup>2</sup>/day

S = 0.05629

Kz/Kr = 1.

b = 226. ft



WELL TEST ANALYSIS

Data Set: C:\...\435\_38616\_40062\_41347 Proposed.aqt

Date: 06/29/21

Time: 14:01:42

PROJECT INFORMATION

Company: GMD 3

Project: 435, 38616, 40062, 41347

Location: Stevens County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
	-201602	119105
	-203158	117368

Observation Wells

Well Name	X (ft)	Y (ft)
□	-201602	119105
□	-203158	117368
□ 261	-199458	121452
□ Domestic 6-33-38	-203471	119030

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 1.12E+4 ft<sup>2</sup>/day

S = 0.05629

Kz/Kr = 1.

b = 226. ft

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Division of Water Resources

Water Rights and Points of Diversion Within 1 mile of point defined as:

439 Feet N and 2292 Feet W of the Southeast Corner of Section 6 Twp 33S Rng 38W  
 Located at: 101.491552 West Longitude and 37.200144 North Latitude  
 Both SURFACE WATER and GROUNDWATER

*Proposed 38616, 40062 + 41747*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan		
A__ AF	261 00	IRR	NK	G	3155	--	SE	SE	NE	2783	181	6	33	38W	6	230'	580.00	580.00	
A__ AF	435 00	IRR	NK	G*	14	--	SW	SW	SE	439	2292	6	33	38W	5		640.00	640.00	
A__ AF	38616 00	IRR	NK	G*	2415	--	--	NC	NW	3940	3960	7	33	38W	2		247.60	247.60	
A__ AF	40062 00	IRR	NK	G*	2415	--	--	NC	NW	3940	3960	7	33	38W	2		524.00	524.00	
A__ AF	41347 00	IRR	NK	G*	2415	--	--	NC	NW	3940	3960	7	33	38W	2		555.00	495.40	
T__ AF	20177124	MF	IRR	GY	G	2415	--	--	NC	NW	3940	3960	7	33	38W	2		5817.90	.00

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2487.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2487.00	.00

*Spacing  
Appears MET*

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 1 mile of point defined as:

439 Feet North and 2292 Feet West of the Southeast Corner of Section 6 Twp 33S Rng 38W  
 Located at: 101.491552 West Longitude and 37.200144 North Latitude  
 Both SURFACE WATER and GROUNDWATER  
 WATER USE CORRESPONDENTS:

- > File Number Use ST SR
- > WARREN M & AMANDA R WILLIS
- >
- > 613 ROAD N
- > HUGOTON KS 67951
- >-----
- > SHAFER FAMILY FARMS LLC
- >
- > PO BOX 7602
- > HORSESHOE BAY TX 78657
- >-----
- > WARREN M & AMANDA R WILLIS
- >
- > 613 ROAD N
- > HUGOTON KS 67951
- >-----
- > WARREN M & AMANDA R WILLIS
- >
- > 613 ROAD N
- > HUGOTON KS 67951
- >-----
- > WARREN M & AMANDA R WILLIS
- >

*261 - Same Contact as below on App*

*425 Application*

*38616*

*40062*

*41747*



> 613 ROAD N  
> HUGOTON KS 67951

-----  
> WARREN M & AMANDA R WILLIS

>  
> 613 ROAD N  
> HUGOTON KS 67951

*myid*

-----  
=====

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Division of Water Resources

Water Rights and Points of Diversion Within 1 mile of point defined as:

3940 Feet N and 3960 Feet W of the Southeast Corner of Section 7 Twp 33S Rng 38W  
 Located at: 101.497169 West Longitude and 37.195294 North Latitude  
 Both SURFACE WATER and GROUNDWATER

*Proposed 435*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
435 00	IRR	NK	G*	2397	--	SW	SW	SE	439	2292	6	33	38W	5		640.00	640.00
AF																	
15996 00	IRR	NK	G	5003	--	NE	SE	SW	805	2660	12	33	39W	4		640.00	640.00
AF																	
38616 00	IRR	NK	G*	9	--	--	NC	NW	3940	3960	7	33	38W	2		247.60	247.60
AF																	
40062 00	IRR	NK	G*	9	--	--	NC	NW	3940	3960	7	33	38W	2		524.00	524.00
AF																	
41347 00	IRR	NK	G*	9	--	--	NC	NW	3940	3960	7	33	38W	2		555.00	495.40
AF																	
20177124	MF	IRR	GY	G	9	--	--	NC	NW	3940	3960	7	33	38W	2	5817.90	.00
AF																	

*435*

*E*

*2300*

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2547.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2547.00	.00

*Spacing Appears MET*

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.  
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Water Rights and Points of Diversion Within 1 mile of point defined as:

3940 Feet North and 3960 Feet West of the Southeast Corner of Section 7 Twp 33S Rng 38W  
 Located at: 101.497169 West Longitude and 37.195294 North Latitude  
 Both SURFACE WATER and GROUNDWATER  
 WATER USE CORRESPONDENTS:

- > File Number Use ST SR
- > SHAFER FAMILY FARMS LLC
- >
- > PO BOX 7602
- > HORSESHOE BAY TX 78657
- >-----
- > STEVE L ELLIS
- >
- > 10124 S BIG BOW GRADE
- > JOHNSON KS 67855
- >-----
- > WARREN M & AMANDA R WILLIS
- >
- > 613 ROAD N
- > HUGOTON KS 67951
- >-----
- > WARREN M & AMANDA R WILLIS
- >
- > 613 ROAD N
- > HUGOTON KS 67951
- >-----
- > WARREN M & AMANDA R WILLIS
- >

*4176 Application*

*15996*

*28616 Application*

*410062*

*411347*

*↓*

> 613 ROAD N  
> HUGOTON KS 67951

>-----

> WARREN M & AMANDA R WILLIS

>  
> 613 ROAD N  
> HUGOTON KS 67951

*MYFA*

>-----

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JUN 30 2021

Garden City Field Office  
Division of Water Resources



Garden City Field Office  
4532 W. Jones, Suite B  
Garden City, KS 67846



Phone: 620-276-2901  
Fax: 620-276-9315  
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

June 18, 2021

SOUTHWEST KANSAS GROUNDWATER  
MANAGEMENT DISTRICT NO. 3  
2009 E SPRUCE ST  
GARDEN CITY KS 67846

Re: Water Right, File Nos. 435, 38616, 40062, 41347

Dear Mr. Norquest:

This is to advise you that Shafer Family Farms :LLC, has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point if diversion.

We are delaying action on the change application to allow you time to review and provide a recommendation. Please submit a recommendation within 15 days from the date of this letter.

Thank you and as always feel free to contact this office at any time.

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures