



File No. **22633**      11. County: **KE**      Basin: **ARKANSAS RIVER**      Stream:      Formation Code:      Special Use:

12. Points of Diversion										Rate and Quantity							
CHK	MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
MOD	9481				NW SE SW	27	25S	35W	4	704	3842		920	272	920	272	NONE
DEL	34704																
ENT					SW NE SE	27	25S	35W		1451	1255		855	272	855	272	NONE
MOD	78848				SW SE NE	34	25S	35W	7	2797	691		915	272	915	272	NONE
MOD	85407				NE SW NW	34	25S	35W	9	3625	4350		950	272	950	272	NONE

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										NE¼								NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
CHK	MOD	DEL	ENT	PUSE	S	T	R	ID		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								
CHK	25925																																
CHK	21327																																

Base Acres:      Year:      Minimum Reasonable Quantity:

Comments: **PDIV ID #4, 7, AND 9 UPDATED BASED ON GPS DATA**

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

Mike Beam, Secretary

Laura Kelly, Governor

April 15, 2019

DUANE E & KATHLEEN A KOSTER TRUSTS  
PO BOX 897  
GARDEN CITY KS 67846-0897

RE: Water Right, File No. 22633

Dear Sir:

Enclosed is an order executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file number.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that acceptable water flowmeter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM:  
enclosures  
pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

## CERTIFICATE OF SERVICE

On this 15<sup>th</sup> day of April, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,633, dated 15<sup>th</sup> day of April, 2019 was mailed postage prepaid, first class, US mail to the following:

DUANE E & KATHLEEN A KOSTER TRUSTS  
PO BOX 897  
GARDEN CITY KS 67846-0897

With photocopies to:

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. 22633

RECEIVED  
 11:46 AM  
 MAR 07 2019  
 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: DUANE E & KATHLEEN A KOSTER TRUSTS  
PO BOX 897 GARDEN CITY KS 67846-0897

Phone Number: (620)271-4493                      Email address: \_\_\_\_\_

Name and address of Water Use Correspondent: \_\_\_\_\_

Phone Number: (\_\_\_\_\_) \_\_\_\_\_                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:

Owner of Land ---- NAME: \_\_\_\_\_

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: \_\_\_\_\_

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 3-7-19 Check # 2516

4. The presently authorized place of use is:

Owner of Land — NAME: \_\_\_\_\_

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

Sec.	Twp.	Range	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES		
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$			

List any other water rights that cover this place of use. \_\_\_\_\_

Owner of Land — NAME: \_\_\_\_\_

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

Sec.	Twp.	Range	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$				

List any other water rights that cover this place of use. \_\_\_\_\_

(If there are more than two landowners, attach additional sheets as necessary.)

5. It is proposed that the place of use be changed to:

Owner of Land — NAME: \_\_\_\_\_

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

Sec.	Twp.	Range	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES				
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$					

List any other water rights that cover this place of use. \_\_\_\_\_

Owner of Land — NAME: \_\_\_\_\_

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

Sec.	Twp.	Range	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES					
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$						

List any other water rights that cover this place of use. \_\_\_\_\_

6. The presently authorized point(s) of diversion are 4 wells  
(Provide description and number of points)
7. The proposed point(s) of diversion are 4 wells  
(Provide description and number of points)

**List all presently authorized point(s) of diversion:**

8. **Presently authorized point of diversion:**  
 One in the NC N2 Quarter of the S2 Quarter of the SE Quarter of Section 27, Township 25 South, Range 35 (W), in KE County, Kansas, 955 feet North 1405 feet West of Southeast corner of section. Authorized Rate 855 gpm Authorized Quantity 272 af  
 (DWR use only: Computer ID No. 03 GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the NE Quarter of the SE Quarter of Section 27, Township 25 South, Range 35 (W), in KE County, Kansas, 1451 feet North 1255 feet West of Southeast corner of section. Proposed Rate 855 gpm Proposed Quantity 272 af  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

9. **Presently authorized point of diversion:**  
 One in the NC Quarter of the S2 Quarter of the SW Quarter of Section 27, Township 25 South, Range 35 W, in KE County, Kansas, 650 feet North 4055 feet West of Southeast corner of section. Authorized Rate 920 gpm Authorized Quantity 272 af  
 (DWR use only: Computer ID No. 04 GPS 704 feet North 3842 feet West)  
 This point will not be changed  This point will be changed as follows: - modify location  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the NW Quarter of the SE Quarter of the SW Quarter of Section 27, Township 25 South, Range 35 (EW), in KE County, Kansas, 704 feet North 3842 feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

10. **Presently authorized point of diversion:**  
 One in the SW Quarter of the SE Quarter of the NE Quarter of Section 34, Township 25 South, Range 35 W, in KE County, Kansas, 2805 feet North 820 feet West of Southeast corner of section. Authorized Rate 915 gpm Authorized Quantity 272 af  
 (DWR use only: Computer ID No. 07 GPS 2797 feet North 691 feet West)  
 This point will not be changed  This point will be changed as follows: Modify location  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SE Quarter of the NE Quarter of Section 34, Township 25 South, Range 35 (EW), in KE County, Kansas, 2797 feet North 691 feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. Existing well will be capped

6. The presently authorized point(s) of diversion are 4 wells \_\_\_\_\_  
(Provide description and number of points)

7. The proposed point(s) of diversion are 4 we \_\_\_\_\_  
(Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:**  
 One in the NE Quarter of the SW Quarter of the NW Quarter of Section 34, Township 25 South, Range 35 W, in KE County, Kansas, 3622 feet North 4394 feet West of Southeast corner of section. Authorized Rate 950 gpm Authorized Quantity 272 af  
 (DWR use only: Computer ID No. 09 GPS 3625 feet North 4350 feet West)  
 This point will not be changed  This point will be changed as follows: modify location  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the NE Quarter of the SW Quarter of the NW Quarter of Section 34, Township 25 South, Range 35 (E/W), in KE County, Kansas, 3625 feet North 4394 feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

9. **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 \_\_\_\_\_  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 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 \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

10. **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 \_\_\_\_\_  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 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 \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. \_\_\_\_\_



12. The presently authorized use of water is for IRR purposes.  
It is proposed that the use be changed to IRR purposes.

13. If changing the place of use and/or use made of water, describe how the consumptive use will not be increased.

---

---

---

---

(Please show any calculations here.)

14. It is requested that the maximum annual quantity of water be reduced to \_\_\_\_\_ (acre-feet or million gallons).

15. It is requested that the maximum rate of diversion of water be reduced to \_\_\_\_\_ gallons per minute (\_\_\_\_\_ c.f.s.).

16. The application must include either a topographic map or detailed plat. A U.S. Geological Survey Topographic Map, scale 1:24,000, is available through the Kansas Geological Survey, 1930 Constant Avenue, University of Kansas, Lawrence, Kansas 66047-3726 ([www.usgs.gov](http://www.usgs.gov)). The map should show the location of the presently authorized point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. The presently authorized place of use should also be shown. Identify the center of the section, the section lines and the section corners and show the appropriate section, township, and range numbers on the map. In addition the following information must also be shown on the map.

- a. If a change in the location of the point(s) of diversion is proposed, show:
  - 1) The location of the proposed point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. Please be certain that the information shown on the map agrees with the information shown in Paragraph Nos. 9, 10 and 11 of the application.
  - 2) If the source of supply is groundwater, please show the location of existing water wells of any kind, including domestic wells, within 1/2 mile of the proposed well or wells. Identify each well as to its use and furnish name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please indicate so on the map.
  - 3) If the source of supply is surface water, the names and mailing addresses of all landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- b. If a change in the place of use is desired, show the proposed place of use by crosshatching on the map. Please be certain that the information shown on the map agrees with the information shown in Paragraph No. 5 of the application.

17. Attach documentation to show the change(s) proposed herein will not impair existing water rights and relates to the same local source of supply as to which the water right relates. This information may include statements, plats, geology reports, well logs, test hole logs, and other information as necessary information to show the above. Additional comments may be made below.

---

---

---

---

18. If the proposed change(s) does not meet all applicable rules and regulations of the Kansas Water Appropriation Act, please identify the rules and regulations for which you request a waiver. State the reason why a waiver is needed and why the request should be granted. Attach documentation showing that granting the request will not impair existing water rights and will not prejudicially and unreasonably affect the public interest.

---

---

---

---

Any use of water that is not as authorized by the water right or permit to authorize water **before** the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

**The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse.** If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.

If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use as identified herein, or that I represent all such owners and am authorized to make this application on their behalf, and declare further that the statements contained herein are true, correct, and complete. By filing this application I authorize the chief engineer to permanently reduce the quantity of water and/or rate of diversion as specified in sections 14 and 15 of this application.

Dated at Garden City, Kansas, this 6 day of March, 2019.

[Signature]  
(Owner)

[Signature]  
(Spouse)

Duane Koster  
(Please Print)

Kathleen Koster  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)

State of Kansas )  
County of Finney ) SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 6<sup>th</sup> day of MARCH, 2019.



[Signature]  
Notary Public

My Commission Expires 4-7-21

**FEE SCHEDULE**

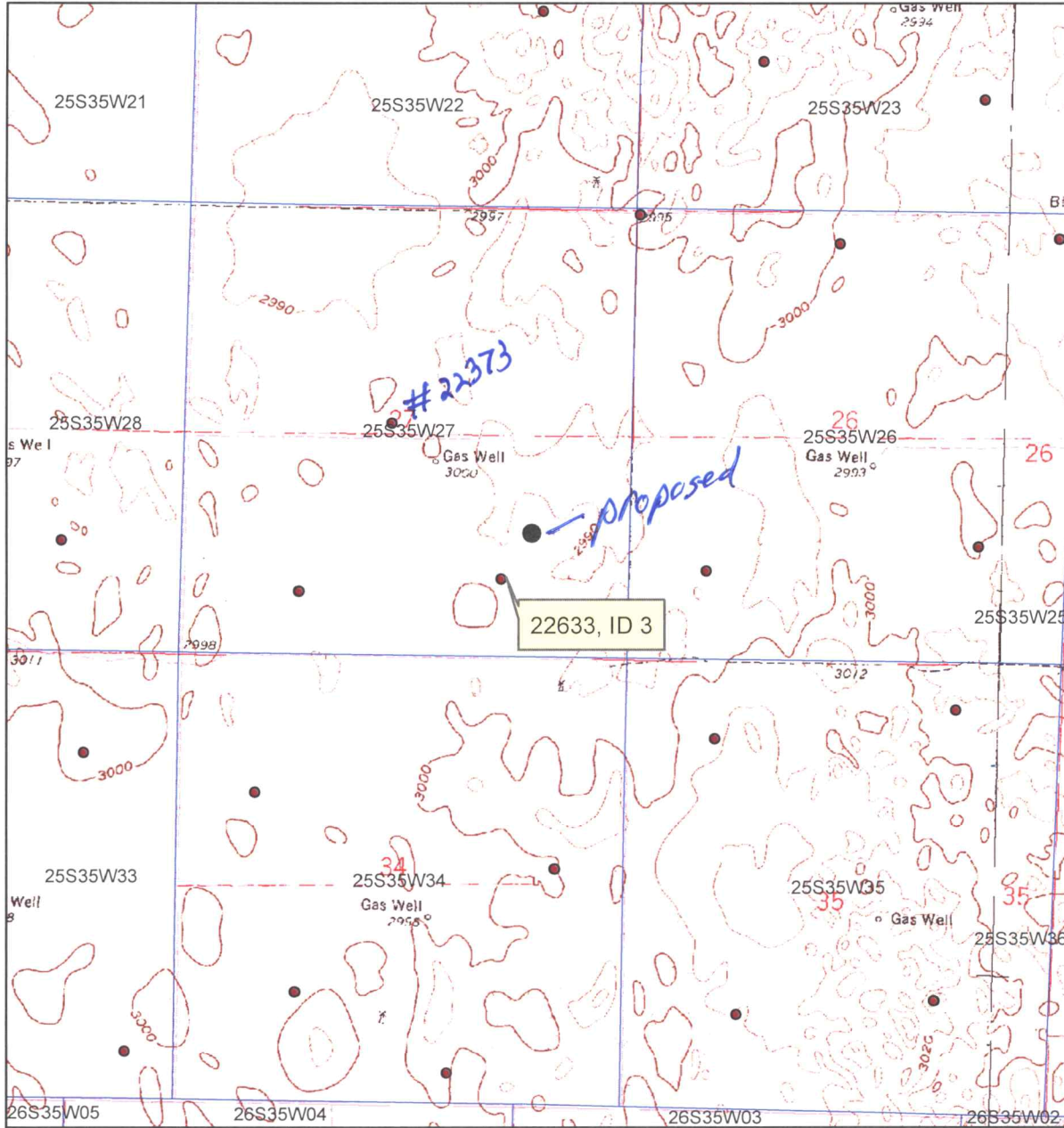
Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

- (1) Application to change a point of diversion 300 feet or less ..... \$100
- (2) Application to change a point of diversion more than 300 feet ..... \$200
- (3) Application to change the place of use ..... \$200
- (4) Application to change the use made of the water ..... \$300

Make check payable to **Kansas Department of Agriculture.**



# Change in Point of Diversion for Water Right 22633



● Authorized Point of Diversion



● Proposed Point of Diversion

**All wells within 1/2 miles are on this map.**

X



# Well Design & Construction

WR 22633

M-26

**Customer Name:** SOUTHWEST AG

**Legal:** SE 27-25S-35W

**GPS:** 37.84723  
-101.14439

**DRILLER:** \_\_\_\_\_

**HELPER(S):** \_\_\_\_\_

**BOREHOLE DIAMETER:** 30"

**CASING DIAMETER:** 16"

**TOTAL WELL DEPTH:** 625'

**DRILLING FLUID:** TBD

**ADDITIONAL INFO:** \_\_\_\_\_

**County:** KEARNY

**Date:** \_\_\_\_\_

**WO #:** 19-129

**WATER SUPPLY:** NEARBY IRRIGATION WELL

**DRILLING RIG:** TBD

**DRILLING METHOD:** REVERSE CIRCULATION

**QUIKGEL:** TBD

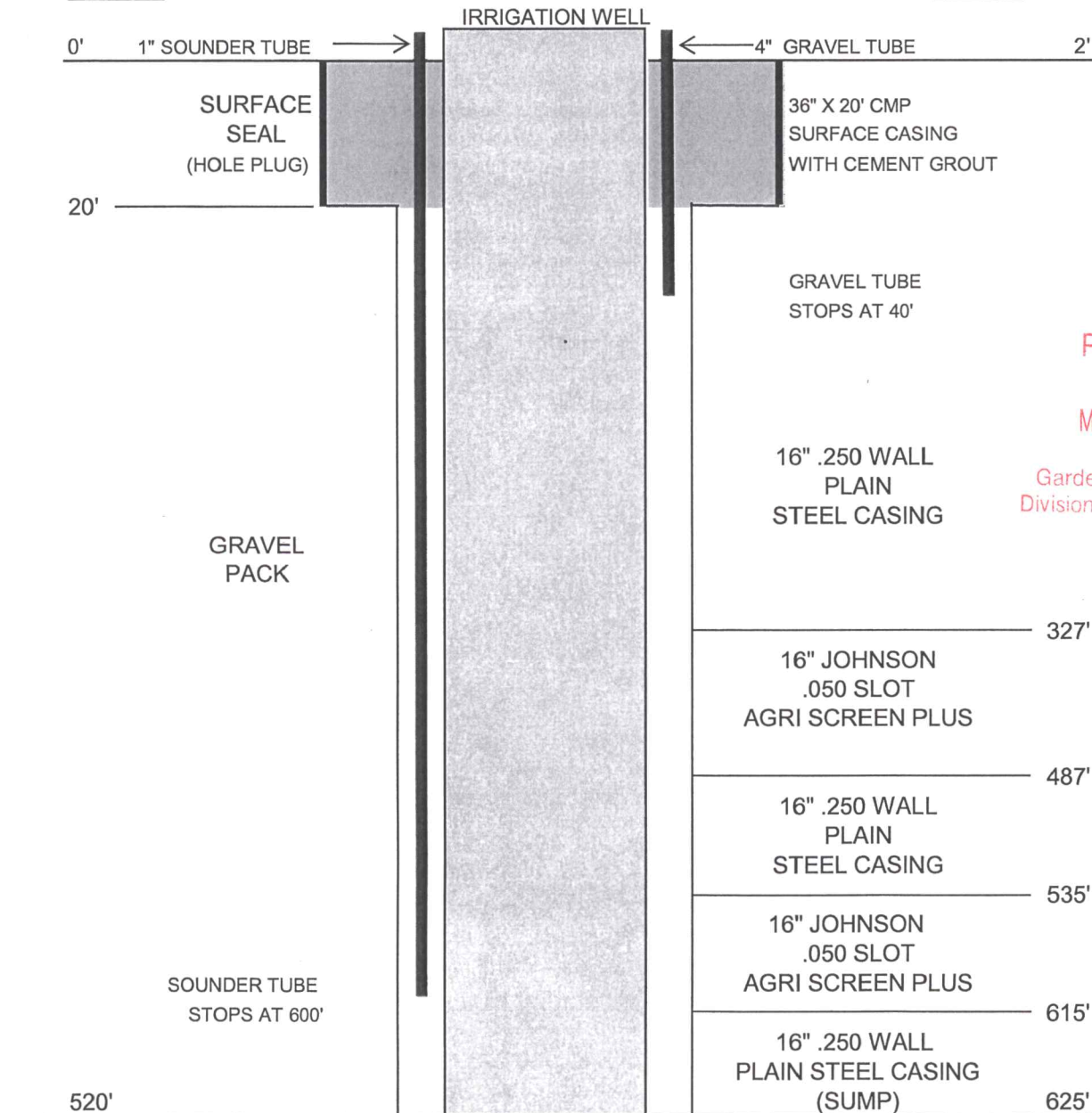
**HOLE PLUG:** 20'

**GRAVEL:** 130 TONS OF #1 COARSE & #1 FINE MIX

**GRAVEL SUPPLIER:** TBD

GROUT  
AND  
GRAVEL

SCREEN AND  
CASING



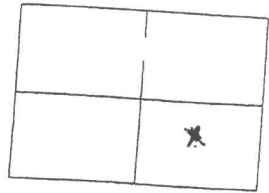
RECEIVED

MAR 01 2019

Garden City Field Office  
Division of Water Resources

# GSPF IRRIGATION SERVICE

710 W Taylor Jones Rd  
 Holcomb, KS 67851  
 Phone: 620-277-2503  
 Fax: 620-277-2581



Customer Name: Southwest Ag M-26 Date: 1-4-19

Address: \_\_\_\_\_ Test # 2 E Log \_\_\_\_\_

City & state \_\_\_\_\_ Driller: Dana Vagts

County Kearny Quarter SE Section: 27 Township: 25 Range: 35

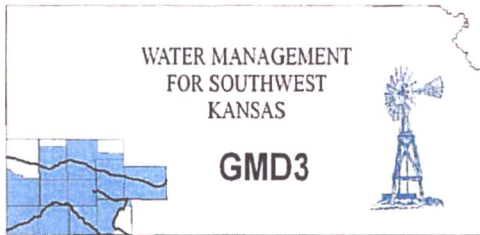
Location: GPS N 37.84723 W 101.14439 Elev: 2988

Rig# 1 WO# \_\_\_\_\_

%	From	Pay	To	Description of Strata	Static Water Level <u>322</u> Proposed Well Depth
	0		1	Sandy TOP soil	
	1		11	Sand F-M	
	11		101	FMC gravel	<u>SWL 315'-320'</u>
	101		112	Sandy clay	
	112		157	Sandy clay some strips FMC sand & Few limestone layer	
	157		186	FMC Few strips sandy clay	
	186		205	Sandy clay grey + tan	
	205		209	Sand FMC	
	209		253	Sandy clay grey	
	253		268	Sand F-M	
	268		302	Sandy clay	
	302		326	Caliche	
	326	5	331	Sand F-M	
	331		342	Sandy clay	<b>RECEIVED</b>
	342	30	372	FMC Few clay strips	<b>MAR 01 2019</b>
	372		388	Tan sandy clay	<small>Garden City Field Office Division of Natural Resources</small>
	388	40	428	Sand FMC Few clay strips	
	428		435	Sandy clay	
	435	18	453	F-M sand w/ white rock	

1/2 mile East 7/2010 SW 1/4 Sec 26-25-35W static 240 TD 571  
 1/2 mile NW 5/2018 SENEW Sec. 27-25-35W static 323 TD 600 700 cpm





**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

April 9, 2019

Michael A. Meyer  
Division of Water Resources  
2508 N Johns Street  
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion  
Water Right, File Nos. 22633

Dear Mike:

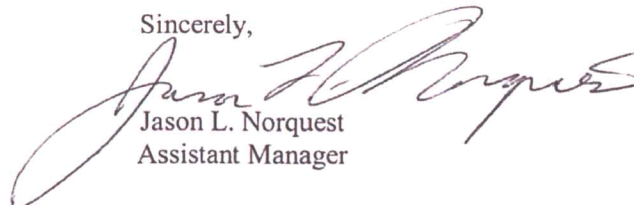
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted 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 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 that in no case did the net effect on neighboring wells exceed the 4.0 ft maximum allowable threshold. There was no response from any of those notices. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the applications be approved.

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



## GMD3 Change Review

---

File No(s): 22633.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Duane & Kathleen Koster.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? Yes.

If NO, is documentation included?

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

Point of diversion ID No(s) 03 being changed.

	ft. North	ft. West		
Authorized PD	955	1405	Sect. 27-25-35	
Proposed PD	1451	1255		
Difference	-496 n	150 e		
a2 + b2 = c2	246016	22500	518.1853 foot move NE	GPS

for proposed PD: Lat: 37.84723 Long: -101.14439.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Land Owner(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Neighboring certified well(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Domestic well(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Base Acres:   .

Perfected Acres:   .

Irr. Return-Flow   %

**Proposed move is less than half mile and minimum spacing to neighboring wells is met.**

**Found old IRR well location, but no domestics in area.**

**Saturated thickness in the area is greater than 200', which would allow up to a maximum effect of 4ft. All wells evaluated showed an additional effect of 1ft or less.**

Is a waiver needed: Meets current rules for distance moved and spacing to neighboring wells.

## GMD3 Change Review

---

Recommendation: After review of all available information and evaluations, it appears the application is consistent with current area rules. The additional effect is minimal according to the best information we used. No concerns were raised by other neighboring well owners. Staff therefore recommends approval of the application.

A handwritten signature in black ink, consisting of a large, stylized loop followed by a smaller, more complex scribble.

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

1451 ft N and 1255 ft W of the SE Corner of Section 27, T 25S, R 35W

Located at: 101.144391 West Longitude and 37.847231 North Latitude

GROUNDWATER ONLY

*1600' on all*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 22373 00	IRR	NK	G	3926	--	NE	NE	NE	5187	49	27	25	35W	6		272.00	272.00	AF
Same				1922	--	SE	SE	NW	2652	2755	27	25	35W	7		272.00	272.00	AF
A__ 22374 00	IRR	NK	G	4898	--	NE	NE	NW	4860	2837	26	25	35W	5		272.00	272.00	AF
A__ 22558 D2	IRR	NK	G	2217	--	NE	SW	SW	1043	4168	26	25	35W	7		268.00	268.00	AF
A__ 22560 D2	IRR	NK	G	3315	--	SW	NE	NW	4372	3945	35	25	35W	7		272.00	272.00	AF
A__ 22633 00	IRR	NK	G*	518	NC	N2	S2	SE	955	1405	27	25	35W	3		272.00	272.00	AF
Same				2921	--	NC	S2	SW	650	4055	27	25	35W	4		272.00	272.00	AF
Same				3960	--	SW	SE	NE	2805	820	34	25	35W	7		272.00	272.00	AF
Same				4386	--	NE	SW	NW	3622	4394	34	25	35W	9		272.00	272.00	AF

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) =	2444.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2444.00	.00

*Minimum Spacing MET!!*

An \* after the source of supply indicates a pending application for change for the file number.

An \* after the ID indicates a 15 AF exemption was granted for the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

101.144391 West Longitude and 37.847231 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 22373 00	IRR	NK	G
>	GRAHAM FARMS INC		
>	2150 ROAD 220		
>	DEERFIELD KS 67838		
A__ 22374 00	IRR	NK	G
>	VAUGHN NIGHTENGALE		
>	1452 ROAD W		
>	LAKIN KS 67860		
A__ 22558 D2	IRR	NK	G
>	DUANE E & KATHLEEN A KOSTER TRUSTS		
>	PO BOX 897		
>	GARDEN CITY KS 67846		

>-----  
A\_\_ 22560 D2 IRR NK G  
> DUANE E & KATHLEEN A KOSTER TRUSTS  
>  
> PO BOX 897  
> GARDEN CITY KS 67846  
>-----

A\_\_ 22633 00 IRR NK G  
> DUANE E & KATHLEEN A KOSTER TRUSTS  
>  
> PO BOX 897  
> GARDEN CITY KS 67846  
>-----

=====

INPUTS	
Target Section Definition	
Section	27
Township	25
Range	35
Range Direction	w
Target Point Coordinates (NAD27 or NAD83)	
Target Longitude	-101.144390
Target Latitude	37.847230

Load Data and Compute

#### Instructions

1. Enter values for section, township, range and range direction.
2. Enter **NAD27** or **NAD83** longitude and latitude of target point.
3. Click "Load Data and Compute" button.
4. Use feet distances corresponding to datum of target point.

Loaded Section Data From LEOBASE using <b>NAD83</b>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.84317586	-101.15860479
NW	37.85764084	-101.15854360
NE	37.85777915	-101.14053844
SE	37.84326722	-101.14049267
Degrees Longitude per Foot		3.46313695E-06
Degrees Latitude per Foot		2.74616377E-06
Target Point Distances from Corners using NAD83		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	1476	-4105
NW	-3791	-4087
NE	-3841	1112
SE	1443	1125

Target point is In Section

Loaded Section Data From LEOBASE using <b>NAD27</b>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.84315500	-101.15815700
NW	37.85762000	-101.15809600
NE	37.85775800	-101.14009100
SE	37.84324600	-101.14004500
Degrees Longitude per Foot		3.46313597E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using NAD27		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	1484	-3975
NW	-3784	-3958
NE	-3834	1241
SE	1451	1255

Target point is In Section

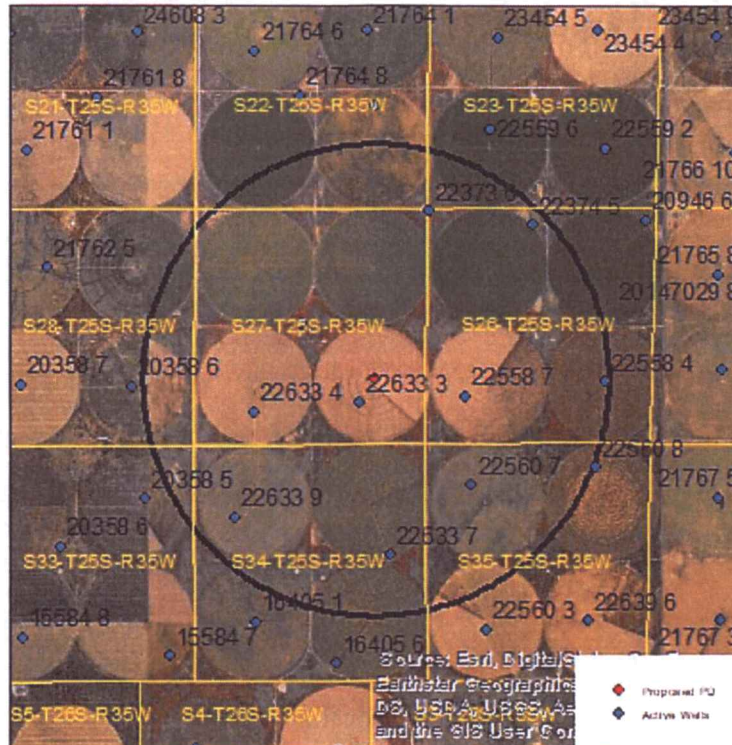
Difference (NAD83 Minus NAD27)		
Corner	Corner Latitudes	Corner Longitudes
SW	0.00002086	-0.00044779
NW	0.00002084	-0.00044760
NE	0.00002115	-0.00044744
SE	0.00002122	-0.00044767

Difference (NAD83 Minus NAD27)		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-7.69237007	-129.30071730
NW	-7.34318398	-129.24585875



## Evaluation of proposed move for Water Right No 22633 ID 3

Proposed: Move the well authorized under water right no. 22633 ID 3 646 ft to the northeast.



Wells within 1 mile: 22633 ID 4, 22633 ID 9, 22633 ID 7, 22373 ID 7, 22373 ID 6, 22374 ID 5, 22558 ID 7, 22558 ID 4, and 22560 ID 7.

The saturated thickness at the proposed well location is estimated to be 322 ft, based upon measurement at the observation well in section 26-25-35 and local drillers logs. For saturated thicknesses greater than 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 4.0 ft.

**50 year Theis Analysis:** The following values were used to run the analysis:

$S = 0.1205$ ,  $T = 13,449 \text{ ft}^2/\text{day}$ ,  $t_{p_{\text{current}}} = 142 \text{ days}$  (based upon observed rate and reported quantity),  
 $Q_{\text{current}} = 339 \text{ gpm}$  (based upon observation during 2014 field visit),  $t_{p_{\text{proposed}}} = 72 \text{ days}$ ,  
 $Q_{\text{proposed}} = 855 \text{ gpm}$ .

Theis drawdown calculations are as follows:

22633 ID 4:                      Drawdown from current location = 1.37 ft  
   Drawdown from proposed location = 1.85 ft  
   Net drawdown = **0.5 ft**

22633 ID 9:                      Drawdown from current location = 1.06 ft  
   Drawdown from proposed location = 1.31 ft

Net drawdown = **0.3 ft**

22633 ID 7: Drawdown from current location = 1.11 ft  
Drawdown from proposed location = 1.45 ft  
Net drawdown = **0.3 ft**

22373 ID 7: Drawdown from current location = 1.42 ft  
Drawdown from proposed location = 2.33 ft  
Net drawdown = **0.9 ft**

22373 ID 6: Drawdown from current location = 0.95 ft  
Drawdown from proposed location = 1.45 ft  
Net drawdown = **0.5 ft**

22374 ID 5: Drawdown from current location = 0.84 ft  
Drawdown from proposed location = 1.21 ft  
Net drawdown = **0.4 ft**

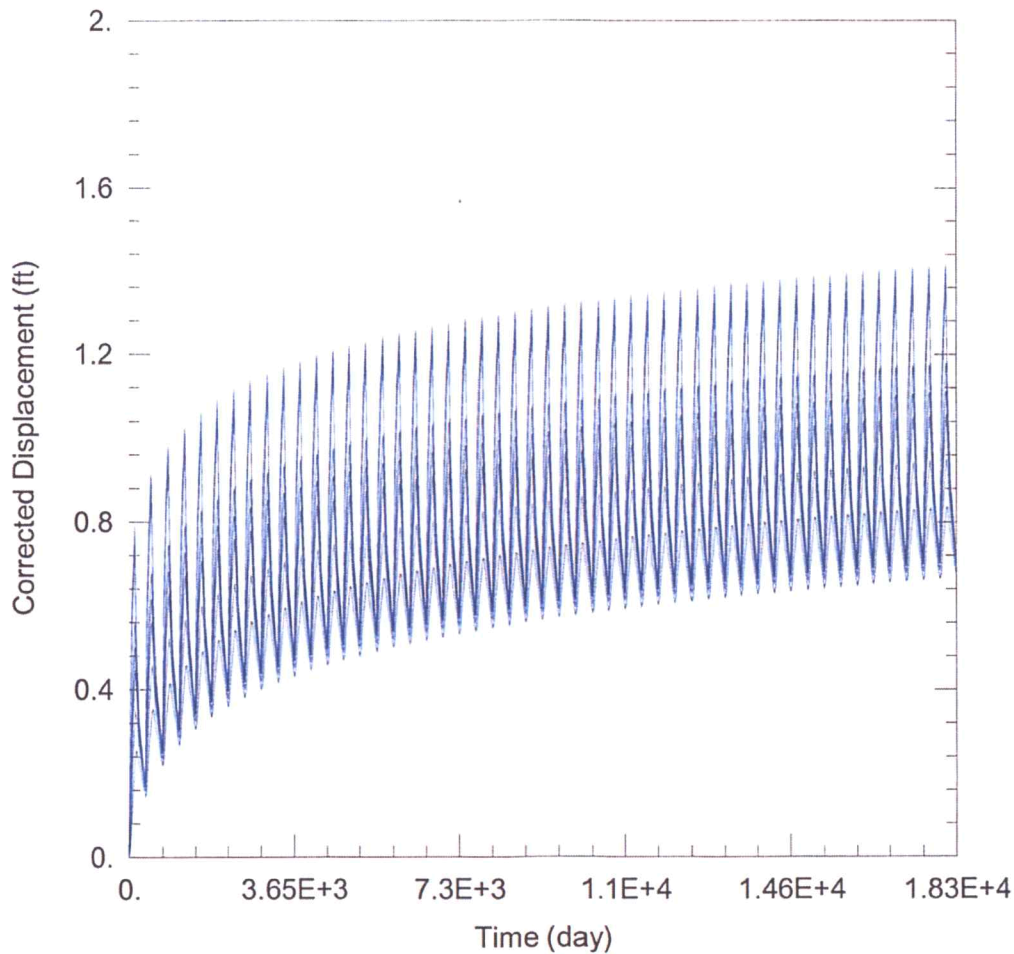
22558 ID 7: Drawdown from current location = 1.36 ft  
Drawdown from proposed location = 2.34 ft  
Net drawdown = **1.0 ft**

22558 ID 4: Drawdown from current location = 0.83 ft  
Drawdown from proposed location = 1.17 ft  
Net drawdown = **0.3 ft**

22560 ID 7: Drawdown from current location = 1.18 ft  
Drawdown from proposed location = 1.69 ft  
Net drawdown = **0.5 ft**

Net drawdown effects do not exceed the maximum drawdown allowance of 4.0 ft on any well, so no further evaluation is necessary.





### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\22633\22633 ID3 Current.aqt

Date: 04/01/19

Time: 16:53:49

### PROJECT INFORMATION

Company: GMD 3

Project: 22633 ID3

Location: Kearny County

Test Well: 22633 ID3

### WELL DATA

#### Pumping Wells

Well Name	X (ft)	Y (ft)
22633 ID3	-99959	353649

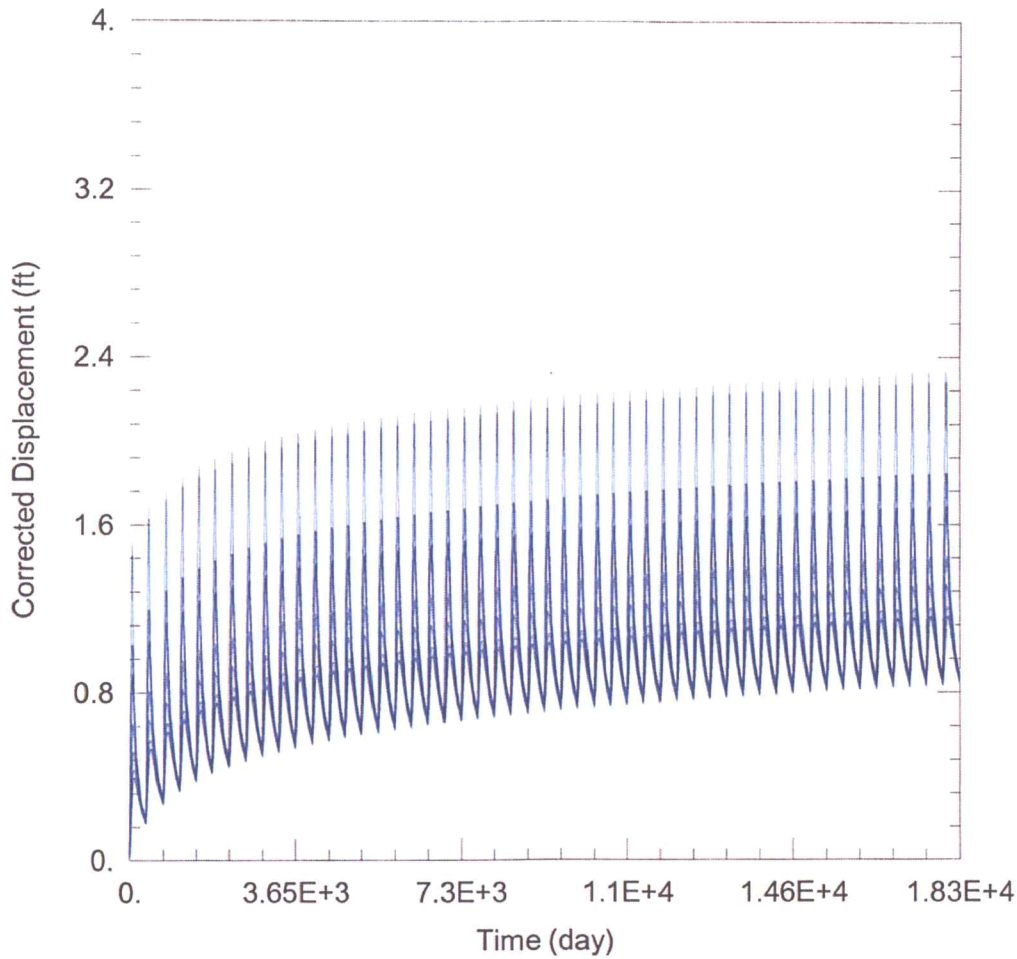
#### Observation Wells

Well Name	X (ft)	Y (ft)
□	-99959	353649
□ 22633 ID4	-102325	353461
□ 22633 ID9	-102793	351100
□ 22633 ID7	-99266	350267
□ 22373 ID7	-101272	355453
□ 22373 ID6	-98413	357941
□ 22374 ID5	-96070	357648
□ 22558 ID7	-97556	353789
□ 22558 ID4	-94382	354129
□ 22560 ID7	-97419	351827

### SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\22633\22633 ID3 Proposed.aqt  
 Date: 04/01/19 Time: 16:53:41

PROJECT INFORMATION

Company: GMD 3  
 Project: 22633 ID3  
 Location: Kearny County  
 Test Well: 22633 ID3

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
22633 ID3	-99606	354190

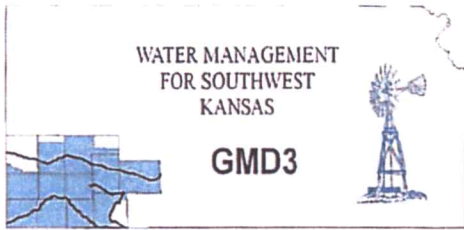
Observation Wells

Well Name	X (ft)	Y (ft)
□	-99606	354190
□ 22633 ID4	-102325	353461
□ 22633 ID9	-102793	351100
□ 22633 ID7	-99266	350267
□ 22373 ID7	-101272	355453
□ 22373 ID6	-98413	357941
□ 22374 ID5	-96070	357648
□ 22558 ID7	-97556	353789
□ 22558 ID4	-94382	354129
□ 22560 ID7	-97419	351827

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis



**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](http://www.gmd3.org)

April 1, 2019

Graham Farms Inc  
2150 Road 220  
Deerfield, Kansas 67838

RE: Application for Change in Point of Diversion  
Water Right, File Nos. 22633

Dear Graham Farms Inc:

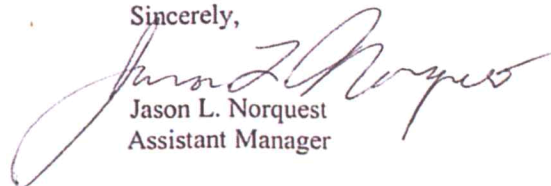
This is to inform you that Duane & Kathleen Koster has applied to relocate their well 518 feet NE of their current well location in Section 27, Township 25s, Range 35w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted 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. An analysis was 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 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. 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.

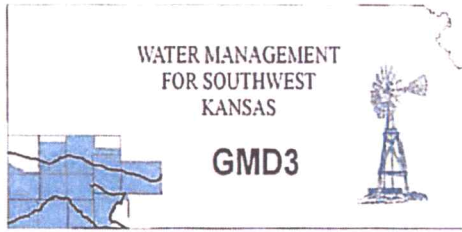
A copy of the full change application can be found on the Division of Water Resources site, [https://sftp.kda.ks.gov:4443/Notices/Garden\\_City\\_Field\\_Office/2019/22633.20190311.Acc.Chg.pdf](https://sftp.kda.ks.gov:4443/Notices/Garden_City_Field_Office/2019/22633.20190311.Acc.Chg.pdf). The results of the analysis, once posted, can be found at <http://www.gmd3.org/what-we-do/well-to-well-analysis/>. Please review the analysis for the proposed change to Water Right 22633. If you have any questions or wish to provide better information, please contact our office by April 10, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,



Jason L. Norquest  
Assistant Manager



**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

April 1, 2019

Vaughn Nightengale  
1452 Road W  
Lakin, Kansas 67860

RE: Application for Change in Point of Diversion  
Water Right, File Nos. 22633

Dear Mr. Nightengale:

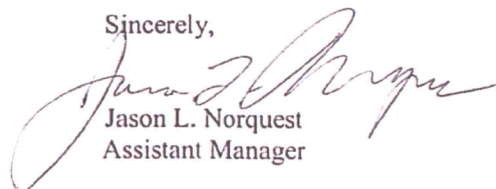
This is to inform you that Duane & Kathleen Koster has applied to relocate their well 518 feet NE of their current well location in Section 27, Township 25s, Range 35w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted 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. An analysis was 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 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. 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.

A copy of the full change application can be found on the Division of Water Resources site, [https://sftp.kda.ks.gov:4443/Notices/Garden\\_City\\_Field\\_Office/2019/22633.20190311.Acc.Chg.pdf](https://sftp.kda.ks.gov:4443/Notices/Garden_City_Field_Office/2019/22633.20190311.Acc.Chg.pdf). The results of the analysis, once posted, can be found at <http://www.gmd3.org/what-we-do/well-to-well-analysis/>. Please review the analysis for the proposed change to Water Right 22633. If you have any questions or wish to provide better information, please contact our office by April 10, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,



Jason L. Norquest  
Assistant Manager

Garden City Field Office  
2508 Johns Street  
Garden City, KS 67846-2804



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

March 27, 2019

SOUTHWEST KANSAS GROUNDWATER  
MANAGEMENT DISTRICT NO. 3  
409 CAMPUS DRIVE, SUITE 106  
GARDEN CITY KS 67846

Re: Water Right File No. 22633

Dear Mr. Norquest:

This is to advise you that Duane E. & Kathleen A. Koster Trusts has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the place of use for the above referenced files.

We are delaying action on the change applications 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, appearing to read "Michael A. Meyer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures

Garden City Field Office  
2508 Johns Street  
Garden City, KS 67846-2804



Phone: 620-276-2901  
Fax: 620-276-9315  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

Mike Beam, Interim Secretary

Laura Kelly, Governor

March 11, 2019

GRAHAM FARMS INC  
2150 ROAD 220  
DEERFIELD KS 67838

RE: Water Right, File No. 22633

Dear Madam and Sir:

This is to advise you that DUANE E & KATHLEEN A KOSTER TRUSTS has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to point of diversion under the above referenced application.

You can find the complete application posted by water right file number as referenced above at [www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices](http://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices)

You are notified on this proposed place of use so that you may furnish this office with any comments or other information you may want to submit. Such comments or other information must be received in this office within 15 days from the date of this letter.

Should you have any questions, please feel free to call this office. If you would prefer, an appointment could be arranged for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.

Sincerely,

A handwritten signature in black ink that reads "Michael A. Meyer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Michael A. Meyer  
Water Commissioner

MAM

Pc:

Groundwater Management District No. 3

SCANNED