

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

1. File Number: <b>19622</b>	2. Status Change Date: <b>7-5-2023</b>	3. Change Num: <b>C5</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</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>5/11/2023</b>
--	---

8a. Landowner, applicant, WUC  
New to system

Person ID 41565 \_\_\_\_\_  
Add Seq# \_\_\_\_\_

**LOVE AG COMPANY  
Attn: GREG LOVE  
24506 13 RD  
MONTEZUMA, KS 67867-9073**

8c. Landowner(s)  
New to system

Person \_\_\_\_\_  
Add Seq# \_\_\_\_\_

8b. Landowner(s),  
New to system

Person ID 25213 \_\_\_\_\_  
Add Seq# \_\_\_\_\_

**GREGORY C & SUE LOVE  
24506 13 RD  
MONTEZUMA, KS 67867-9073**

8d. WUC  
New to system

Person ID \_\_\_\_\_  
Add Seq# \_\_\_\_\_

9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2023**     N & P Date to Comply: **3/1/2024**

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: **7/05/2023**    By: **MAM**  
Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. 19622      11. County: GY      Basin: ARKANSAS RIVER      Stream:      Formation Code: 211      Special Use:

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

DEL 51307  
 ENT 64927 LOT 4 (SWSW) 7 27 28W 06 260 5020 840 260 840 260 NONE

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

14. Limitation: \_\_\_\_\_ af/ 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 CHK MOD DEL ENT	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				
CHK 1423																									
CHK 6605																									
CHK 17889																									
CHK 33304																									
CHK 33536																									

Base Acres: 130      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 5, 2023

LOVE AG COMPANY  
Attn: GREG LOVE  
24506 13 RD  
MONTEZUMA, KS 67867-9073

RE: Field Office Application for Change  
Water Right, File No. 19622

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 these approvals for change. A condition of these approvals is that an acceptable water flow meter 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 the order modifies the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

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

Sincerely,

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

Michael A. Meyer  
Water Commissioner

MAM:  
Enclosures  
pc: Gregory C. & Sue Love

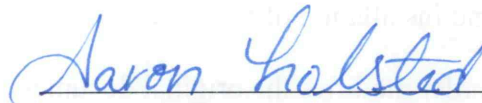
### CERTIFICATE OF SERVICE

On this 5<sup>th</sup> day of July 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 19,622 dated 5<sup>th</sup> day of July 2023 was mailed postage prepaid, first class, US mail to the following:

LOVE AG COMPANY  
Attn: GREG LOVE  
24506 13 RD  
MONTEZUMA, KS 67867-9073

pc:

GREGORY C & SUE LOVE  
24506 13 RD  
MONTEZUMA, KS 67867-9073

A handwritten signature in blue ink that reads "Aaron Halsted". The signature is written in a cursive style and is positioned above a horizontal line.

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.

RECEIVED  
 10:55 am  
 MAY 11 2023

File No. 19622

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

Place of Use       Point of Diversion

Garden City Field Office  
 Division of Water Resources

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: Love Ag Company %Greg Love

24506 13 RD, Montezuma, KS 67867

Phone Number: (620)846-0222      Email address: greg.c.love@gmail.com

Name and address of Water Use Correspondent: SAME

Phone Number: (    )      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: \_\_\_\_\_

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 5-11-23 Check # 7479

5. **Presently authorized point of diversion:**

One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ NC Quarter of the \_\_\_\_\_ SW Quarter of Section \_\_\_\_\_ 7 \_\_\_\_\_, Township \_\_\_\_\_ 27 \_\_\_\_\_ South, Range \_\_\_\_\_ 28 \_\_\_\_\_ (W), in Gray \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 1320 \_\_\_\_\_ feet North \_\_\_\_\_ 3980 \_\_\_\_\_ feet West of Southeast corner of section. Authorized Rate \_\_\_\_\_ 840gpm \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ 260AF \_\_\_\_\_ Depth of well \_\_\_\_\_ ~290 \_\_\_\_\_ (feet)

(DWR use only: Computer ID No. 02 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 LOT 4 (SW SW) Quarter of Section \_\_\_\_\_ 7 \_\_\_\_\_, Township \_\_\_\_\_ 27 \_\_\_\_\_ South, Range \_\_\_\_\_ 28 \_\_\_\_\_ (W), in Gray \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 260 \_\_\_\_\_ feet North \_\_\_\_\_ 5020 \_\_\_\_\_ feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ 840gpm \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ 260AF \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_ 244 \_\_\_\_\_

This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

6. **Presently authorized point of diversion:**

One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (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 \_\_\_\_\_ (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) \_\_\_\_\_  
Very low production from current well  
PD previously covered by WR 20063

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

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

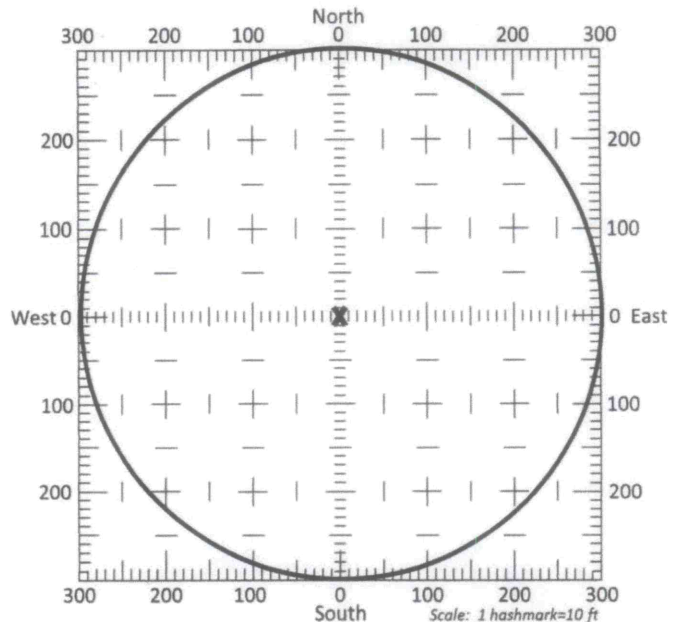
10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
Plug

(b) When will this be done? After completion new well

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by GMD3/JLN

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.)

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:

- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?  
 Yes     No    (If no, all owners must sign this application.)
- (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?  
 Yes     No    (If yes, all owners must sign this application.)
- (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?  
 Yes     No    (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

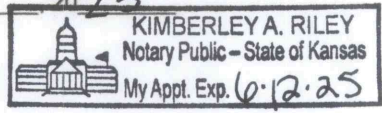
I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Montezuma, Kansas, this 10<sup>th</sup> day of May, 20 23.

<p><u>[Signature]</u> (Owner)</p> <p><u>Gregory E. Love</u> (Please Print)</p> <p>_____</p> <p>(Owner)</p> <p>_____</p> <p>(Please Print)</p> <p>_____</p> <p>(Owner)</p> <p>_____</p> <p>(Please Print)</p>	<p>_____</p> <p>(Spouse)</p> <p>_____</p> <p>(Please Print)</p> <p>_____</p> <p>(Spouse)</p> <p>_____</p> <p>(Please Print)</p> <p>_____</p> <p>(Spouse)</p> <p>_____</p> <p>(Please Print)</p>
--	---

State of Kansas }  
County of Gray } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 10<sup>th</sup> day of May, 20 23.



[Signature]  
Notary Public

My Commission Expires \_\_\_\_\_

**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED.** To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

**FEE SCHEDULE**

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (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

**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. 19,622.

- 1. A change application was received on May 11, 2023 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, 2023, 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, 2023, or within any authorized extension of time.** By March 1, 2024 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 5, 2023  
State of Kansas )  
County of Linney ) SS  
Acknowledged before me on July 5, 2023  
by Michael A. Meyer  
Signature: Aaron Holsted



My commission expires



14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:

- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?  
 Yes     No    (If no, all owners must sign this application.)
- (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?  
 Yes     No    (If yes, all owners must sign this application.)
- (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?  
 Yes     No    (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Garden City, Kansas, this 11 day of May, 2023.

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

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

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

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

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

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

Susan M Love  
(Spouse)

Susan M Love  
(Please Print)

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

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

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

\_\_\_\_\_  
(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 11 day of May, 2023.



Aaron Holsted  
Notary Public

My Commission Expires \_\_\_\_\_

**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED.** To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

**FEE SCHEDULE**

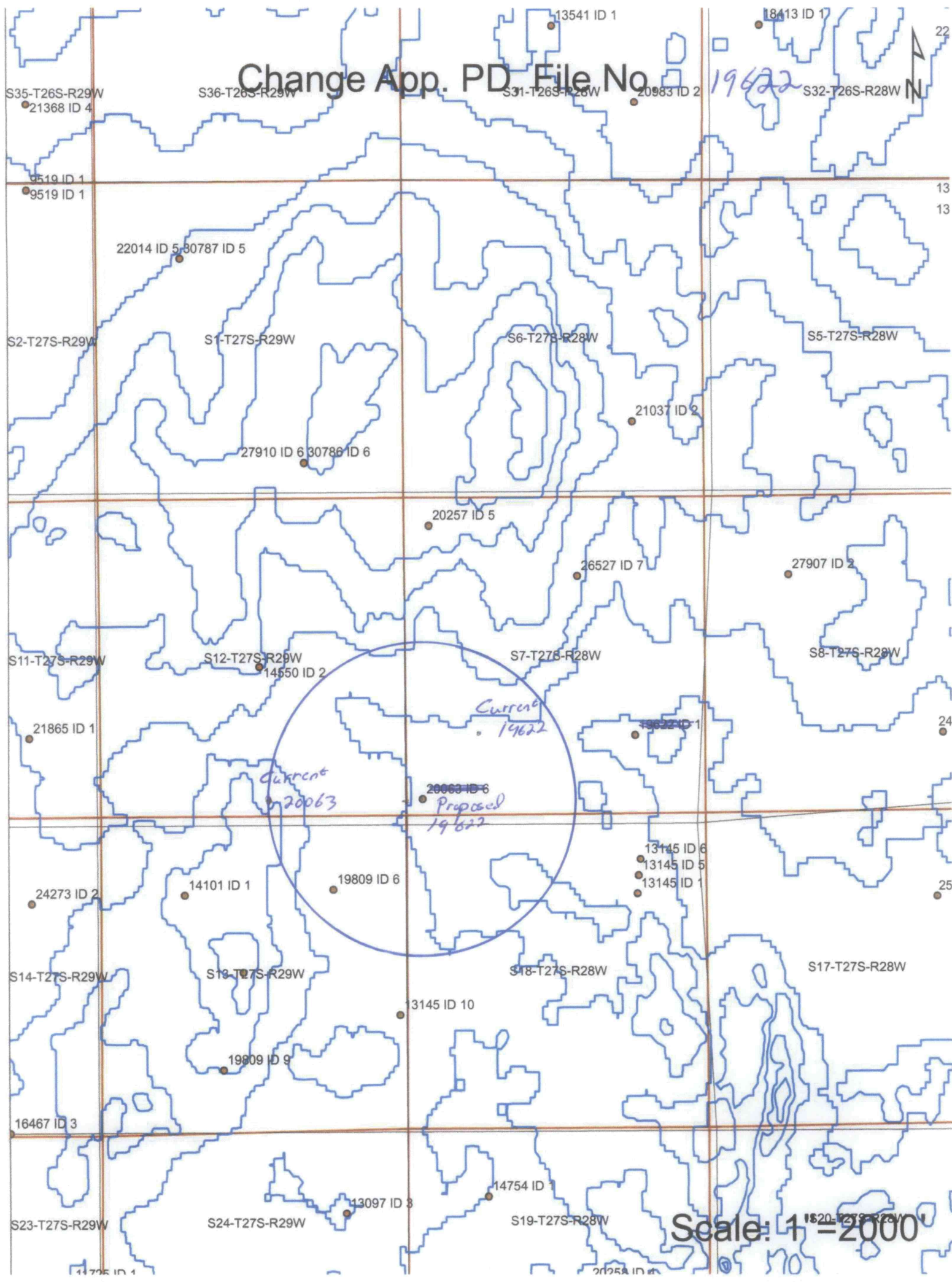
Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (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



# Change App. PD. File No.

19622



Scale: 1" = 2000'

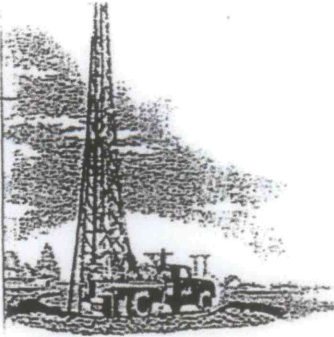
# Henkle

DRILLING & SUPPLY CO., INC.

3795 W. JONES AVE.  
316/277-2389  
FAX/277-0224

P.O. Box 639  
GARDEN CITY, KANSAS 67846

FILE # 20063



CUSTOMER'S NAME MILNER TRUST TO JOHN MILNER DATE 4/19/00  
 STREET ADDRESS 20606 12 RD TEST # 3 E. LOG YES  
 CITY & STATE MONTEZUMA KS 67867 DRILLER MAI  
 COUNTY GRAV QUARTER SW SECTION 7 TOWNSHIP 27 RANGE 28

LOCATION 256' N + 261' E OF SW CORNER OF 1/4 - WELL LOCATION

%	FOOTAGE			DESCRIPTION OF STRATA	STATIC WATER LEVEL: <u>130'</u>	
	From	Pay	To		Proposed Well Depth:	<u>244'</u>
	0		5	SANDY L OR MR		
	5		14	SAND-FINE TUMED		
	14		58	SANDY CLAY, FEW SAND STICKS, FEW GYP		
	58		78	SAND-FINE TUMED COURSE SMALL GRAVEL, FEW CLAY STICKS		
	78		96	SAND-FINE TO MED COURSE SMALL TO LARGE GRAVEL		
	96		102	BROWN + FEW ORGY CLAY		
	102		108	SAND-FINE TO MED, CEMENTED, + SANDY CLAY		
	108		116	BROWN SANDY CLAY, FEW LIMESTONE		
	116		126	SAND-FINE + SMALL + LIMESTONE		
	126		128	SANDY CLAY		
30	128	7	137	SAND-FINE TO MED FEW COURSE FEW SMALL GRAVEL FEW SMALL CLAY STICKS		
60	137	26	163	SAND-FINE TUMED COURSE FEW SMALL GRAVEL		
	163		182	BROWN CLAY, STICKY		
	182		197	BROWN + BIRY CLAY, FEW LIMESTONE		
20	197	2	199	SAND-FINE TO MED		
	199		208	SANDY CLAY		
70	208	26	234	SAND-FINE TO MED COURSE SMALL TO MED BROWN + TAN ROCK		
	234		238	SANDSTONE + LIMESTONE LOGS		
	238		243	SHALE		
				2 GUKKEL		
				6 HOLE PLUG		
				3 AQUA LEAD		
				1 PERMA PLUG		
				1 LOAD OF WATER FROM MONTEZUMA @ 325		
				TEST RIG INE PIT EAST		

RECEIVED  
APR 19 2000  
SWSKSGMTD

S. Thurlow  
5/31/2023

**This evaluation of proposed change in point of diversion, File No. 19622**

A 50-year Theis analysis was used to evaluate the potential increase in dynamic drawdown as a result of the proposed change in point of diversion for one well authorized by File No. 19622. The change proposes relocating the well approximately 1,040 feet West and 1,060 feet South of the currently authorized location where no pumping occurred, and 3,670 feet West and 1,060 feet South of the previously authorized location where pumping occurred (Figure 1).

The GMD No. 3 groundwater model was used for a projected future (2068) saturated thickness (39.6 ft) from the model cell located within Township 27 South, Range 28 West, Sections 7.

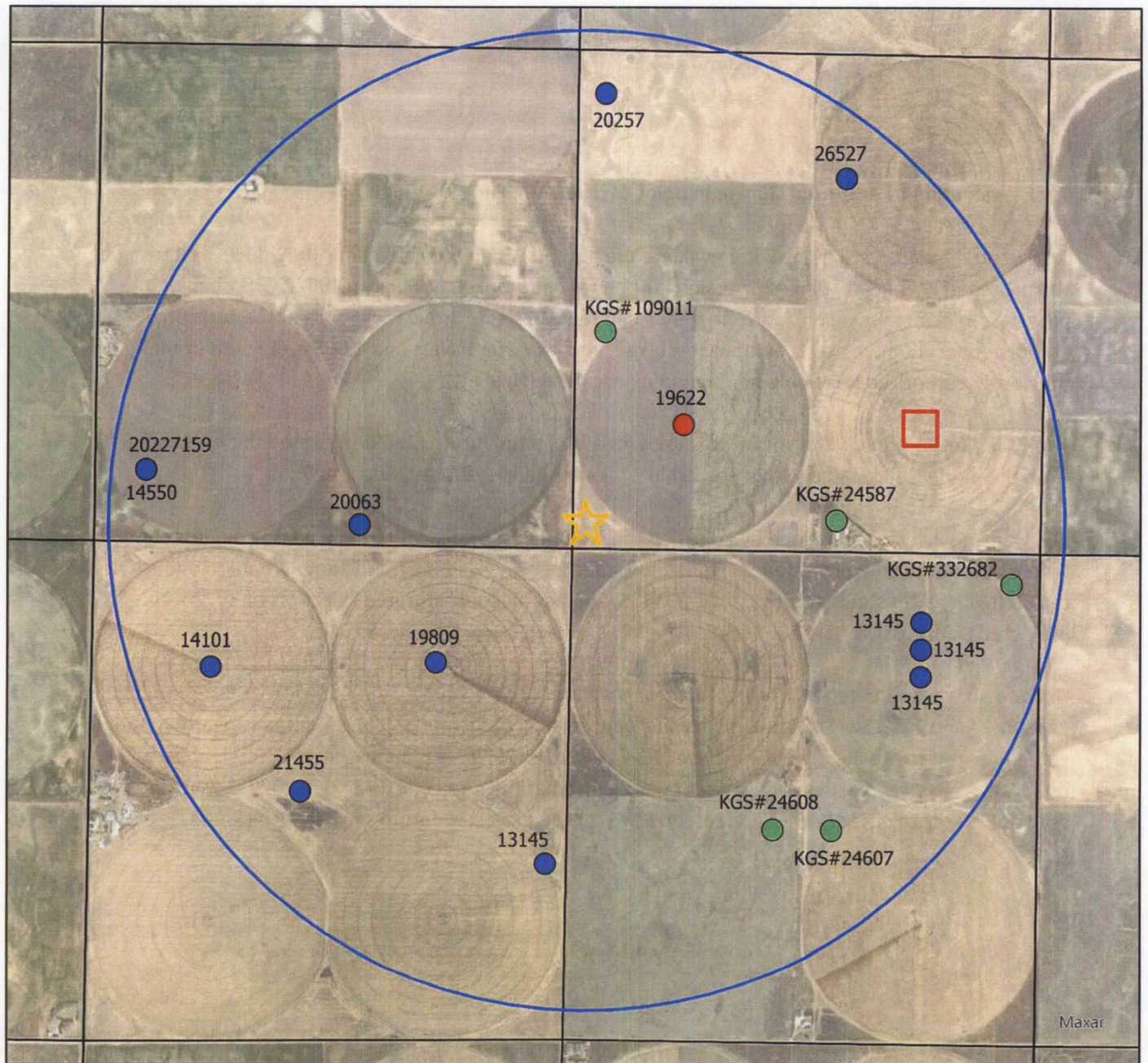
The transmissivity was obtained by adjusting the resulting transmissivity from a nearby aquifer pump test to account for the projected 50-year aquifer decline. By assuming a constant hydraulic conductivity of 260 ft/day, a constant storativity of 0.001403, and a projected saturated thickness of 39.6 ft, the projected transmissivity is 10,306 ft<sup>2</sup>/day.








Drawdown was evaluated at 4 nearby domestic wells of KGS#'s 24607, 24608, 24587, 109011 in sections 27s-28w-7 and 27s-28w-18. A quantity of 260 acre-feet (AF) at a rate of 840 gallons per minute (gpm) was compared to the average historic use (16.57 AF, 2013-2022) at the most recent recorded pumping rate (100 gpm). The maximum net drawdown occurred at the domestic well KGS# 109011. The net drawdown at that distance was 7.4 feet, or 18.7% of the projected future saturated thickness (Table 4).

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Garden City Field Office  
Division of Water Resources



-  Previously Authorized PDIV
-  Currently Authorized PDIV
-  Proposed PDIV
-  Point of Diversion
-  Domestic Well
-  1-Mile Radius Buffer
-  PLSS Section



0 0.25 0.5 1 Miles



Kansas Department of Agriculture  
Division of Water Resources  
May 31, 2023

**Figure 1:** Location of previous, current, and proposed points of diversion, domestic wells, and surrounding points of diversion

**Table 1:** Theis drawdown evaluated at KGS# 24607; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	4284.9	840.0	260.0	6.2	15.7%
Baseline	4424.6	100.0	16.6	0.6	1.5%
			Net:	5.6	14.2%

**Table 2:** Theis drawdown evaluated at KGS# 24608; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3899.5	840.0	260.0	6.5	16.3%
Baseline	4602.1	100.0	16.6	0.6	1.4%
			Net:	5.9	14.9%

**Table 3:** Theis drawdown evaluated at KGS# 24587; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2766.2	840.0	260.0	7.3	18.5%
Baseline	1348.8	100.0	16.6	0.9	2.4%
			Net:	6.4	16.1%

**Table 4:** Theis drawdown evaluated at KGS# 109011; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2059.1	840.0	260.0	8.0	20.3%
Baseline	3633.7	100	16.6	0.6	1.6%
			Net:	7.4	18.7%

**Table 1:** Theis drawdown evaluated at KGS# 24607; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	4284.9	840.0	260.0	6.2	15.7%
Baseline	4424.6	100.0	16.6	0.6	1.5%
Net:				5.6	14.2%

**Table 2:** Theis drawdown evaluated at KGS# 24608; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3899.5	840.0	260.0	6.5	16.3%
Baseline	4602.1	100.0	16.6	0.6	1.4%
Net:				5.9	14.9%

**Table 3:** Theis drawdown evaluated at KGS# 24587; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2766.2	840.0	260.0	7.3	18.5%
Baseline	1348.8	100.0	16.6	0.9	2.4%
Net:				6.4	16.1%

**Table 4:** Theis drawdown evaluated at KGS# 109011; T = 10,306 ft<sup>2</sup>/day, S = 0.001403

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2059.1	840.0	260.0	8.0	20.3%
Baseline	3633.7	100	16.6	0.6	1.6%
Net:				7.4	18.7%



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

May 24, 2023

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

RE: Application for Change in Point of Diversion  
Water Right, File Nos. 19622

Dear Mike:


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

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 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 (2.0 ft with saturated thickness is between 75-100ft), 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 some of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. Critical wells were determined possible in the area if the proposed well pumped at full authority. Part of the effects can also be attributed to the fact that the water right being moved has reported minimal pumping the last several years. We did not receive any comments from neighboring well owners. Therefore, GMD3 sees these moves as meeting current rules and would recommend approval with better information given to ensure that neighboring wells are not adversely affected. 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

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MAY 24 2023

Working Water Conservation Every Day Since 1976

Garden City Field Office  
Division of Water Resources



## GMD3 Change Review

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File No(s): 19622.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Love Ag Company %Greg Love.

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) 02 being changed.

	ft. North	ft. West	
Authorized PD	1320	3980	Sect 7-27-28
Proposed PD	260	5020	
Difference	1060 s	-1040 w	
a2 + b2 = c2	1123600	1081600	1484.992 foot move SW

GPS for proposed PD: Lat:    Long:   .

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified:   .

Name Daniel J Wendel (20257).

Address PO Box 117 19503 12 RD.

Zip Ingalls, KS 67853.

Email: dlcwendel@yahoo.com Phone:   .

Domestic well(s) notified:   .

Name Greg & Trudy Mahin (SW SE sect 7).

Address 13702 U RD.

Zip Montezuma, KS 67867.

Base Acres:   .

Perfected Acres:   .

Irr. Return-Flow   %

**Gray County. We assisted with the application**

**Authorized: 260AF @ 840gpm**

**WR was approved for a PD change in 2022. That location did not pan out for them.**

**Proposed move is to a location that was vacated by WR 20063 in 2021.**

**No water use history from the current PD**

Is a waiver needed: Move is less than half mile. Minimum spacing to neighboring wells appears to be met. Analysis shows possible effects could be critical to neighboring wells. This could be attributed to the low saturated thickness for the area and the water

## GMD3 Change Review

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right being moved has not been utilized much in the last few years and appears to make the initial effects higher.

Recommendation: After review of all available information, it appears current area rules are met. There is possible effects greater than the guidelines for the area, would recommend verification of the analysis. If neighbors and state are confident, we would then recommend approval.



Water Rights and Points of Diversion Within 1 mile of point defined as:  
 260 Feet N and 5020 Feet W of the Southeast Corner of Section 7 Twp 27S Rng 28W  
 Located at: 100.432955 West Longitude and 37.708821 North Latitude  
 Both SURFACE WATER and GROUNDWATER

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ 13145 00	IRR	NK	G	3698	←	SE	NE	SE	1923	242	13	27	29W	10		405.00	405.00
AF																	
Same				3855	--	NC	N2	NE	4585	1320	18	27	28W	6	B2	.00	.00
AF																	
Same				3943	←	NC	S2	N2	4288	1320	18	27	28W	5	G2	436.00	436.00
AF																	
Same				4051	--	--	NC	NE	3990	1320	18	27	28W	1	B2	.00	.00
AF																	
A__ 14101 00	IRR	NK	G	4428	←	--	NC	NW	3960	3960	13	27	29W	1		272.00	272.00
AF																	
A__ 14550 00	IRR	NK	G	4904	←	NW	SW	SW	775	4743	12	27	29W	4		219.00	219.00
AF																	
A__ 19622 00	IRR	NK	G	1497	←	--	NC	SW	1320	3980	7	27	28W	2		260.00	260.00
AF																	
A__ 19809 00	IRR	NK	G	2238	←	SE	NW	NE	4071	1477	13	27	29W	6		272.00	272.00
AF																	
A__ 20063 00	IRR	NK	G	2532	←	SW	SW	SE	200	2394	12	27	29W	3		199.00	199.00
AF																	
A__ 20257 00	IRR	NK	G	4597	←	NW	NW	NW	4857	4881	7	27	28W	5		272.00	272.00
AF																	
A__ 21455 00	IRR	NK	G	4275	←	SE	SE	NW	2666	2958	13	27	29W	8		272.00	272.00
AF																	
A__ 26527 00	IRR	NK	G	4610	←	SW	NW	NE	3993	2321	7	27	28W	7		260.00	260.00
AF																	
T_20227159	MF	IRR	GY	G	4904	--	NW	SW	SW	775	4743	12	27	29W	4	1095.00	.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) =	2867.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2867.00	.00

*Minimum 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:  
 260 Feet North and 5020 Feet West of the Southeast Corner of Section 7 Twp 27S Rng 28W  
 Located at: 100.432955 West Longitude and 37.708821 North Latitude  
 Both SURFACE WATER and GROUNDWATER  
 WATER USE CORRESPONDENTS:

File Number Use ST SR  
 > GREGORY C & SUE LOVE  
 >  
 > 24506 13 RD  
 > MONTEZUMA KS 67867  
 -----  
 > LOVE AG COMPANY  
 > GREG LOVE

*17145 Applicant  
14101 /*

> 24506 13 RD  
> MONTEZUMA KS 67867

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

14550

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

19622 Application

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

19809 Applicant

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

20063

-----  
> DANIEL J WENDEL  
> PO BOX 117 19503 12 RD  
> INGALLS KS 67853

20257

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

21455 Applicant

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

26527

-----  
> LOVE AG COMPANY  
> GREG LOVE  
> 24506 13 RD  
> MONTEZUMA KS 67867

=====



20063: Drawdown from current location = 0.29 ft  
Drawdown from proposed location = 4.27 ft  
Net drawdown = **4.0 ft**

20257: Drawdown from current location = 0.33 ft  
Drawdown from proposed location = 3.50 ft  
Net drawdown = **3.2 ft**

26527: Drawdown from current location = 0.41 ft  
Drawdown from proposed location = 3.47 ft  
Net drawdown = **3.1 ft**

14101: Drawdown from current location = 0.25 ft  
Drawdown from proposed location = 3.55 ft  
Net drawdown = **3.3 ft**

19809: Drawdown from current location = 0.30 ft  
Drawdown from proposed location = 4.41 ft  
Net drawdown = **4.1 ft**

21455: Drawdown from current location = 0.26 ft  
Drawdown from proposed location = 3.59 ft  
Net drawdown = **3.3 ft**

13145 ID10: Drawdown from current location = 0.29 ft  
Drawdown from proposed location = 3.77 ft  
Net drawdown = **3.5 ft**

13145 ID5: Drawdown from current location = 0.44 ft  
Drawdown from proposed location = 3.69 ft  
Net drawdown = **3.2 ft**

Domestic 1: Drawdown from current location = 0.37 ft  
Drawdown from proposed location = 4.51 ft  
Net drawdown = **4.1 ft**

Domestic 2: Drawdown from current location = 0.52 ft  
Drawdown from proposed location = 4.13 ft  
Net drawdown = **3.6 ft**

Domestic 3: Drawdown from current location = 0.47 ft  
Drawdown from proposed location = 3.45 ft  
Net drawdown = **3.0 ft**

Domestic 4: Drawdown from current location = 0.34 ft  
Drawdown from proposed location = 3.70 ft  
Net drawdown = **3.4 ft**

Domestic 5: Drawdown from current location = 0.34 ft  
Drawdown from proposed location = 3.58 ft  
Net drawdown = **3.2 ft**

Net drawdown exceeds the drawdown allowance for all wells within 1 mile of the proposed location. Critical well analysis is necessary on those wells.

**Critical Well Evaluation:**

**14550:**

Water Column = 93 ft

DP = 3.2 ft (Net drawdown from the proposal indicated above)

DE = 29.2 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 8.3 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 349 \text{ gpm}$ ,  $tp = 120 \text{ days}$ , efficiency = 70%)

DT = 40.7 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 93 \text{ ft} = 37.2 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $93 \text{ ft} - 60 \text{ ft} = 33 \text{ ft}$

Total drawdown of 40.7 ft is greater than the EDC and the PDC, so this well is critical.

**20063:**

Water Column = 93 ft

DP = 4.0 ft (Net drawdown from the proposal indicated above)

DE = 29.2 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 7.6 ft (S = 0.001403, T = 20,300 ft<sup>2</sup>/day, Q = 321 gpm, tp = 1202 days, efficiency = 70%)

DT = 40.8 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 93 ft = 37.2 ft

Physical Drawdown Constraint (PDC) = 93 ft – 60 ft = 33 ft

Total drawdown of 40.8 ft exceeds the EDC and the PDC, so this well is **critical**.

**20257:**

Water Column = 87 ft

DP = 3.2 ft (Net drawdown from the proposal indicated above)

DE = 33.3 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 0 ft (Well has not been operated in last 10 years.)

DT = 36.5 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 87 ft = 34.8 ft

Physical Drawdown Constraint (PDC) = 87 ft – 60 ft = 27 ft

Total drawdown of 36.5 ft exceeds the EDC and the PDC, so this well is **critical**.

**26257:**

Water Column = 87 ft

DP = 3.1 ft (Net drawdown from the proposal indicated above)

DE = 33.3 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 4.7 ft (S = 0.001403, T = 20,300 ft<sup>2</sup>/day, Q = 200 gpm, tp = 81 days, efficiency = 70%)

DT = 41.1 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 87 ft = 34.8 ft

Physical Drawdown Constraint (PDC) = 87 ft – 60 ft = 27 ft

Total drawdown of 41.1 ft is greater than the EDC and the PDC, so this well is **critical**.



**14101:**

Water Column = 110 ft

DP = 3.3 ft (Net drawdown from the proposal indicated above)

DE = 33.6 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 13.4 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 570 \text{ gpm}$ ,  $tp = 86 \text{ days}$ , efficiency = 70%)

DT = 50.3 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 110 \text{ ft} = 44 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $110 \text{ ft} - 60 \text{ ft} = 50 \text{ ft}$

Total drawdown of 50.3 ft is greater than the EDC and the PDC, so this well is **critical**.

**19809:**

Water Column = 110 ft

DP = 4.1 ft (Net drawdown from the proposal indicated above)

DE = 33.6 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 11.8 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 500 \text{ gpm}$ ,  $tp = 104 \text{ days}$ , efficiency = 70%)

DT = 49.5 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 110 \text{ ft} = 44.0 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $110 \text{ ft} - 60 \text{ ft} = 50 \text{ ft}$

Total drawdown of 49.5 ft is greater than the EDC, so this well is **critical**.

**21455:**

Water Column = 110 ft

DP = 3.3 ft (Net drawdown from the proposal indicated above)

DE = 33.6 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 15.3 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 665 \text{ gpm}$ ,  $tp = 62 \text{ days}$ , efficiency = 70%)

DT = 52.2 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 110 \text{ ft} = 44.0 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $110 \text{ ft} - 60 \text{ ft} = 50 \text{ ft}$

Total drawdown of 52.2 ft is greater than the EDC and PDC, so this well is **critical**.

**13145 ID10:**

Water Column = 110 ft

DP = 3.5 ft (Net drawdown from the proposal indicated above)

DE = 33.6 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 12.7 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 530 \text{ gpm}$ ,  $tp = 133 \text{ days}$ , efficiency = 70%)

DT = 49.8 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 110 \text{ ft} = 44.0 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $110 \text{ ft} - 60 \text{ ft} = 50 \text{ ft}$

Total drawdown of 49.8 ft is greater than the EDC, so this well is **critical**.

**13145 ID5:**

Water Column = 103 ft

DP = 3.2 ft (Net drawdown from the proposal indicated above)

DE = 34.8 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 3.1 ft ( $S = 0.001403$ ,  $T = 20,300 \text{ ft}^2/\text{day}$ ,  $Q = 129 \text{ gpm}$ ,  $tp = 120 \text{ days}$ , efficiency = 70%)

DT = 41.1 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 103 \text{ ft} = 41.2 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $103 \text{ ft} - 60 \text{ ft} = 43 \text{ ft}$

Total drawdown of 41.1 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 1:**

Water Column = 87 ft

DP = 4.1 ft (Net drawdown from the proposal indicated above)

DE = 33.3 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 37.4 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 87 \text{ ft} = 34.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $87 \text{ ft} - 20 \text{ ft} = 67 \text{ ft}$

Total drawdown of 37.4 ft is greater than the EDC, so this well is **critical**.

**Domestic 2:**

Water Column = 87 ft

DP = 3.6 ft (Net drawdown from the proposal indicated above)

DE = 33.3 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 36.9 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 87 \text{ ft} = 34.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $87 \text{ ft} - 20 \text{ ft} = 67 \text{ ft}$

Total drawdown of 36.9 ft is greater than the EDC, so this well is **critical**.

**Domestic 3:**

Water Column = 103 ft

DP = 3.0 ft (Net drawdown from the proposal indicated above)

DE = 34.8 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 37.8 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 103 \text{ ft} = 41.2 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $103 \text{ ft} - 20 \text{ ft} = 83 \text{ ft}$

Total drawdown of 37.8 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 4:**

Water Column = 103 ft

DP = 3.4 ft (Net drawdown from the proposal indicated above)

DE = 34.8 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 38.2 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 103 \text{ ft} = 41.2 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $103 \text{ ft} - 20 \text{ ft} = 83 \text{ ft}$

Total drawdown of 38.2 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 5:**

Water Column = 103 ft

DP = 3.2 ft (Net drawdown from the proposal indicated above)

DE = 34.8 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 38.0 ft

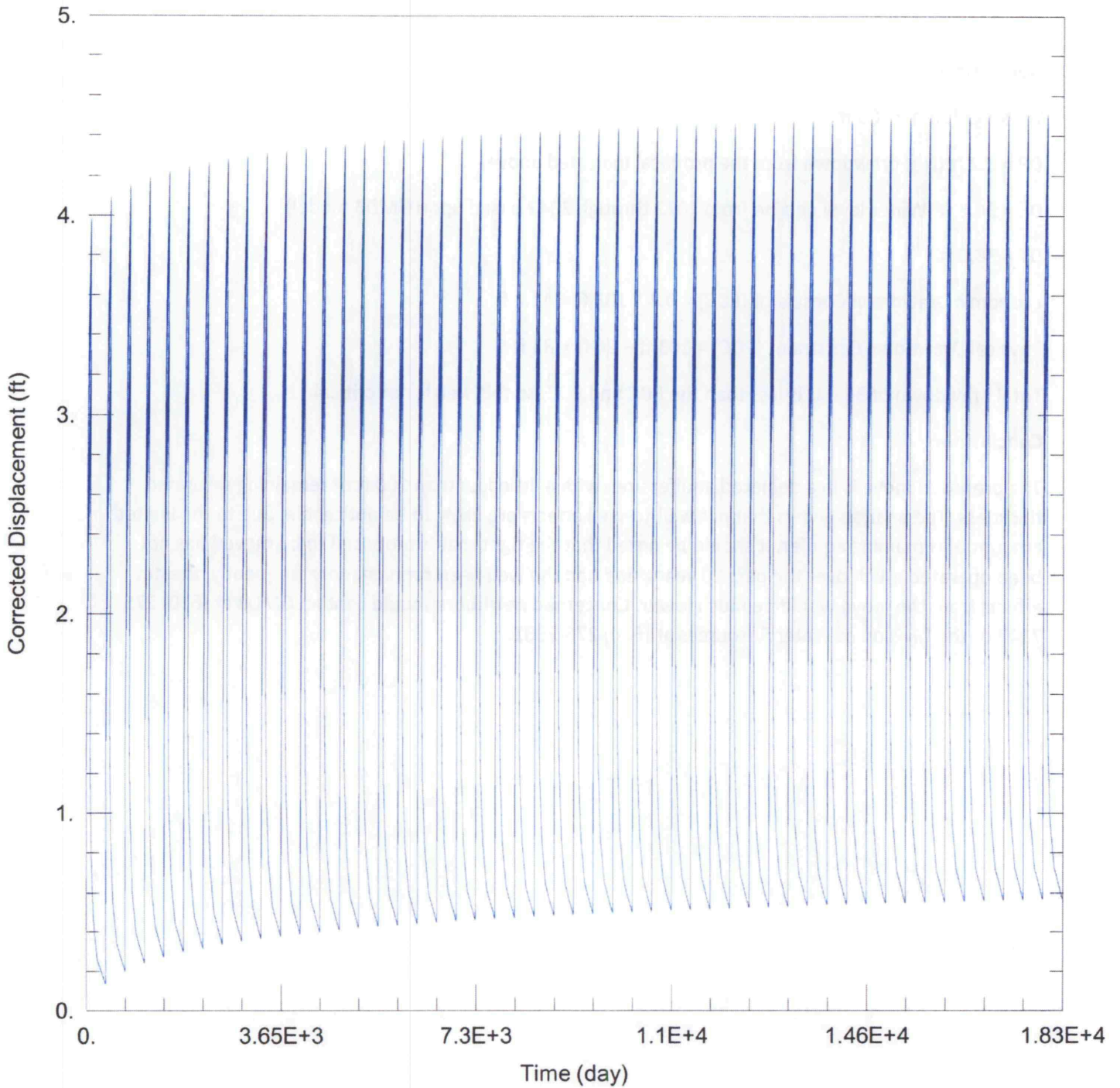
Economic Drawdown Constraint (EDC) =  $0.4 * 103 \text{ ft} = 41.2 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $103 \text{ ft} - 20 \text{ ft} = 83 \text{ ft}$

Total drawdown of 38.0 ft is less than the EDC and PDC, so this well is **not critical**.

**Conclusion:**

The proposed move is in a depleted aquifer area with a little less than 100 ft of remaining saturated thickness. The analysis shows that net well-to-well effects are likely to be noticeable, due to the limited amount of remaining aquifer. It should be noted that the right that is proposed to be moved has not been operated much over the past 10 years, and had the well been running more frequently, the net effects from the move would be much lower. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

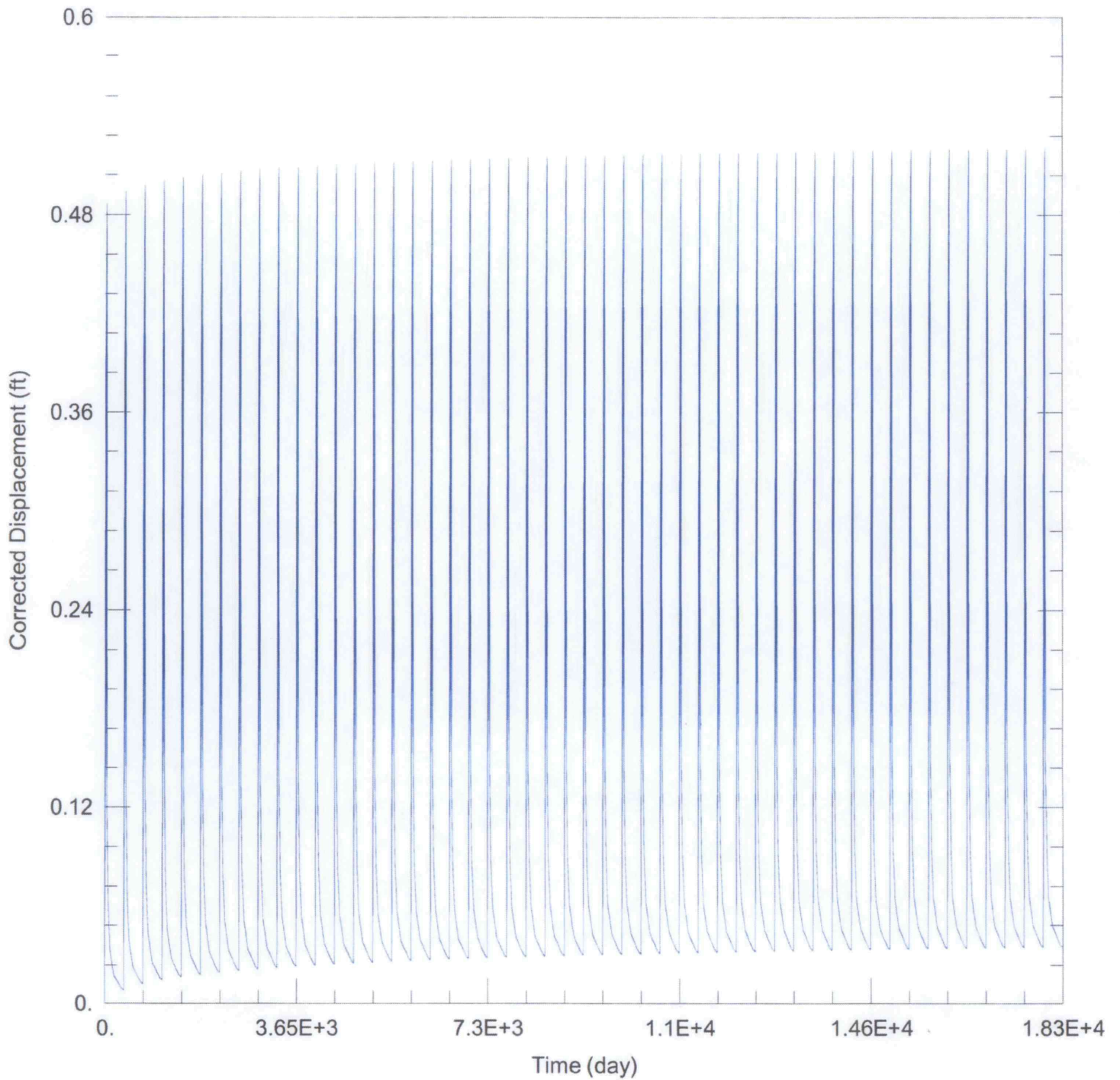
Data Set: C:\Users\trevora\Documents\2023\_moves\19622\19622 Proposed.aqt  
 Date: 05/22/23 Time: 11:10:52

PROJECT INFORMATION

Company: GMD 3  
 Project: 19622  
 Location: Gray County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
19622	106010	303812		106010	303812



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023\_moves\19622\19622 Current.aqt  
 Date: 05/22/23 Time: 11:10:59

PROJECT INFORMATION

Company: GMD 3  
 Project: 19622  
 Location: Gray County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
19622	109726	304890	□	109726	304890

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

Mike Beam, Secretary



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

Laura Kelly, Governor

May 12, 2023

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

Re: Request for Recommendation  
Water Right, File No. 19622

Dear Mr. Norquest:

This is to advise you that Greg Love has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of 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