

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

1. File Number: 19622	2. Status Change Date: <i>12-15-2022</i>	3. Change Num: C4	4. Field Office: 4	5. GMD: 3
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: 10/20/2022
8a. Landowner, applicant, WUC New to system <input type="checkbox"/> LOVE AG COMPANY Attn: GREG LOVE 24506 13 RD MONTEZUMA, KS 67867-9073		Person ID 41565 _____ Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/> Person _____ Add Seq# _____	
8b. Landowner(s), New to system <input type="checkbox"/> GREGORY C & SUE LOVE 24506 13 RD MONTEZUMA, KS 67867-9073		Person ID 25213 _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/2023 <input checked="" type="checkbox"/> N & P Date to Comply: 3/1/2024				
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input type="checkbox"/> H & E Letter <input type="checkbox"/> Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____				
10. Use Made of Water From: _____ To: _____				
Date Prepared: 12/15/2022 By: MAM Date Entered: _____ By: _____				

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

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

DEL 32269
ENT 51307 NCSW 7 27 28W 02 1320 3980 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

December 15, 2022

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 15th day of December 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 19,622 dated 15th day of December 2022 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:

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

A handwritten signature in blue ink that reads "Julie Jones". 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.

File No. 19622

RECEIVED
 11:15 AM
 OCT 20 2022

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

Garden City Field Office
 Division of Water Resources

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 10-20-22 Check # 7295

5. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ NC Quarter of the _____ SE Quarter
 of Section _____ 7 _____, Township _____ 27 _____ South, Range _____ 28 _____ (W),
 in GRAY _____ County, Kansas, _____ 1320 _____ feet North _____ 1350 _____ feet West of Southeast corner of section.
 Authorized Rate _____ 840gpm _____ Authorized Quantity _____ 260AF _____ Depth of well _____ 292 _____ (feet)
(DWR use only: Computer ID No. _____ 01 _____ 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 _____ 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.
 Proposed Rate _____ 840gpm _____ Proposed Quantity _____ 260AF _____ Proposed well depth (feet) _____ 290 (existing) _____
 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) Lose of production
Moving to location originally 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?
As soon as approved

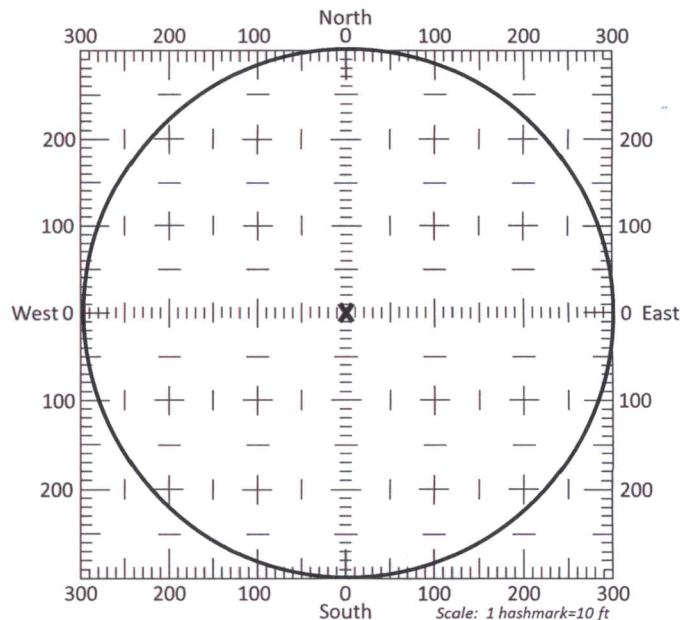
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by 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 _____, Kansas, this _____ day of _____, 20_____.

Gregory L. Love

 (Owner)

 (Please Print)

 (Owner)

 (Please Print)

 (Owner)

 (Please Print)

Susan M. Love

 (Spouse)

 (Please Print)

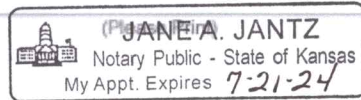
 (Spouse)

 (Please Print)

 (Spouse)

 (Please Print)

State of Kansas }
 County of Gray } SS


 JANE A. JANTZ
 Notary Public - State of Kansas
 My Appt. Expires 7-21-24

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 26th day of October, 2022.

My Commission Expires 7-21-24

Jane A. Jantz

 Notary Public

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

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 Harden City, Kansas, this 20th day of October, 20 22.

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

State of Kansas }
 County of Stimney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 20th day of October, 20 22.



[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

Meyer, Mike [KDA]

From: Engelhaupt, David [KDA]
Sent: Wednesday, December 14, 2022 3:25 PM
To: Meyer, Mike [KDA]
Subject: RE: request for recommendation, File No. 19622

Mike,

I took a quick look. I adjusted the pump test transmissivity to account for aquifer declines into the 50-year future. To do that I simply assumed a constant hydraulic conductivity. The projected T is then 10,556 ft²/day based on 78 feet of saturated thickness at the time of the pump test, and 40.6 feet model projected saturated thickness. I assumed that S does not change (S = 0.001403). I ran the Theis to the domestic well to the southwest of the proposed new location. I compared full authorized (260 AF @ 840 GPM) to the last ten-years average use and last reported rate (11.57 AF @ 100 GPM). The drawdown at the southwest domestic is 0.54 feet under the baseline scenario, and 8.10 feet under the authorized scenario. This amounts to a net increase of 8.10 feet, which 19.96% of the projected future saturated thickness.

David Engelhaupt, P.E.
Technical Services Supervisor
Kansas Department of Agriculture
Division of Water Resources
(785) 564-6680

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Sent: Wednesday, December 14, 2022 11:41 AM
To: Engelhaupt, David [KDA] <David.Engelhaupt@ks.gov>
Subject: RE: request for recommendation, File No. 19622

Mike

From: Engelhaupt, David [KDA] <David.Engelhaupt@ks.gov>
Sent: Wednesday, December 14, 2022 11:35 AM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Subject: RE: request for recommendation, File No. 19622

Mike,

I'm not having any luck locating the referenced pump test. Do you know where a copy of it is?

David Engelhaupt, P.E.
Technical Services Supervisor
Kansas Department of Agriculture
Division of Water Resources
(785) 564-6680

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Sent: Monday, December 12, 2022 10:34 AM
To: Engelhaupt, David [KDA] <David.Engelhaupt@ks.gov>
Subject: FW: request for recommendation, File No. 19622

David if you could quick take a look, not sure if I ever sent the app or not.,

Mike

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Sent: Monday, November 28, 2022 9:38 AM
To: Engelhaupt, David [KDA] <David.Engelhaupt@ks.gov>
Subject: Fwd: request for recommendation, File No. 19622

I will forward the app in another email. If you can Run the area T and S To see if there is a difference

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Meyer, Mike [KDA]
Sent: Monday, November 21, 2022 3:31:03 PM
To: Jason Norquest <norquest@gmd3.org>
Subject: RE: request for recommendation, File No. 19622

Jason, please have trevor use the aquifer values from the aquifer test conducted in section 12. (see file no. 14550). One, I would like to see those results, and more than likely more accurate representation than the model

thanks

Mike

From: Jason Norquest <norquest@gmd3.org>
Sent: Monday, November 7, 2022 10:49 AM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Subject: RE: request for recommendation, File No. 19622

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Here you go Mike on this review. Pretty much just as we talked about on the analysis.

Jason Norquest
Assistant Manager, GMD3
Cell: 620-271-1289
Office: 620-275-7147
www.gmd3.org

Meyer, Mike [KDA]

From: Meyer, Mike [KDA]
Sent: Monday, October 24, 2022 9:43 AM
To: Greg Love
Cc: Garrett Love
Subject: signatures
Attachments: 20221024092449623.pdf

Greg good morning, I hope there is topsoil or wheat left after the breeze yesterday.... ughhh Hey can you and your wife print out this signature sheet, sign in the presence of a notary and send back to garden city for the application you made for the moving of the well on Section 7-27-28W. besides Love AG, I thing you have some personal land tied in.

Thanks!

Mike

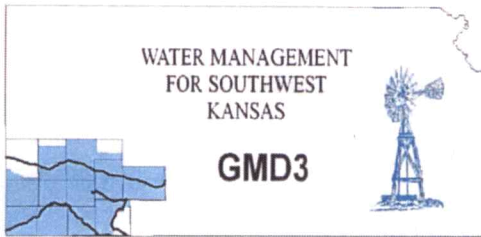
-----Original Message-----

From: kda.fax@ks.gov <kda.fax@ks.gov>
Sent: Monday, October 24, 2022 9:25 AM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Subject: Message from "GardenCity-Savin-Color"

This E-mail was sent from "GardenCity-Savin-Color" (MP C3004ex).

Scan Date: 10.24.2022 09:24:49 (-0500)
Queries to: kda.fax@ks.gov

This E-Mail was sent from the Kansas Department of Agriculture.



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

November 7, 2022

Mike 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 No. 19622

Dear Mike:

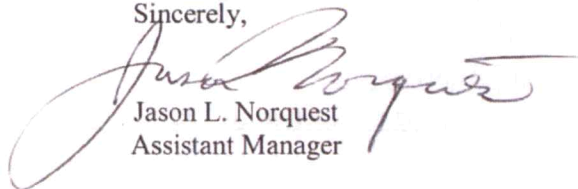
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 our 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 on the sections saturated thickness ranging 75-100 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 several of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. There could be the potential for critical wells in the area if the proposed well is pumped at full authority. We did not receive any comments of concern from neighbor notices. Therefore, GMD3 sees this move 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

RECEIVED

NOV 07 2022

Garden City Field Office
Division of Water Resources

GMD3 Change Review

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) being changed.

	ft. North	ft. West	
Authorized PD	1320	1350	Sect 7-27-28
Proposed PD	1320	3980	
Difference	0	-2630	
a2 + b2 = c2	0	6916900	2630

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, 27907).

Address PO Box 117, 19503 12 RD.

Zip Ingalls, KS 67853.

Email: dlcwendel@yahoo.com Phone: 620-339-6401.

Did get a call from our notice. Mainly wanted to know if the application meets the area rules, which it does. He then had questions about possible changes to a couple of his water rights.

Domestic well(s) notified: .

Name Greg Mahin .

Address 13702 RD.

Zip Montezuma, KS 67867.

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Proposed moving to the original location that was covered by 20063.

Authorized: 260AF @ 840gpm

Very little pumping in the last 10 years.

Is a waiver needed: Move is less than half mile. Minimum spacing to neighboring wells appears to be met. Analysis shows that there could be a potential for critical wells in the area if the proposed well is pumped at full authority.

GMD3 Change Review

Recommendation: Application meets area rules, potential critical wells, no comments from neighbors against the application. Staff would recommend approval with verification of no future impairment.

Water Rights and Points of Diversion Within 1 mile of point defined as:
 1320 Feet N and 1350 Feet W of the Southeast Corner of Section 7 Twp 27S Rng 28W
 Located at: 100.420268 West Longitude and 37.711732 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__ AF	13145	00	IRR	NK	G				2077	--	NC	N2	NE	4585	1320	18	27	28W	6	B2	.00	.00
Same AF									2372	NC	S2	N2	NE	4288	1320	18	27	28W	5	G2	436.00	436.00
Same AF									2666	--	--	NC	NE	3990	1320	18	27	28W	1	B2	.00	.00
A__ AF	19622	00	IRR	NK	G				9	--	--	NC	SE	1320	1350	7	27	28W	1		260.00	260.00
A__ AF	20257	00	IRR	NK	G				5002	--	NW	NW	NW	4857	4881	7	27	28W	5		272.00	272.00
A__ AF	26527	00	IRR	NK	G				2841	--	SW	NW	NE	3993	2321	7	27	28W	7		260.00	260.00
A__ AF	27907	00	IRR	NK	G				3788	--	--	NC	NW	3960	3980	8	27	28W	2		272.00	272.00

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	1500.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1500.00	.00

An * after the source of supply indicates a pending application for change under the file number.
 An * after the ID indicates a 15 AF exemption was granted under the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1 mile of point defined as:
 1320 Feet North and 1350 Feet West of the Southeast Corner of Section 7 Twp 27S Rng 28W
 Located at: 100.420268 West Longitude and 37.711732 North Latitude
 Both SURFACE WATER and GROUNDWATER
 WATER USE CORRESPONDENTS:

- > GREGORY C & SUE LOVE
- > 24506 13 RD
- > MONTEZUMA KS 67867
- > LOVE AG COMPANY
- > GREG LOVE
- > 24506 13 RD
- > MONTEZUMA KS 67867
- > DANIEL J WENDEL
- > PO BOX 117 19503 12 RD
- > INGALLS KS 67853
- > LOVE AG COMPANY
- > GREG LOVE
- > 24506 13 RD
- > MONTEZUMA KS 67867

13145 Applicant

19622 Application

20257

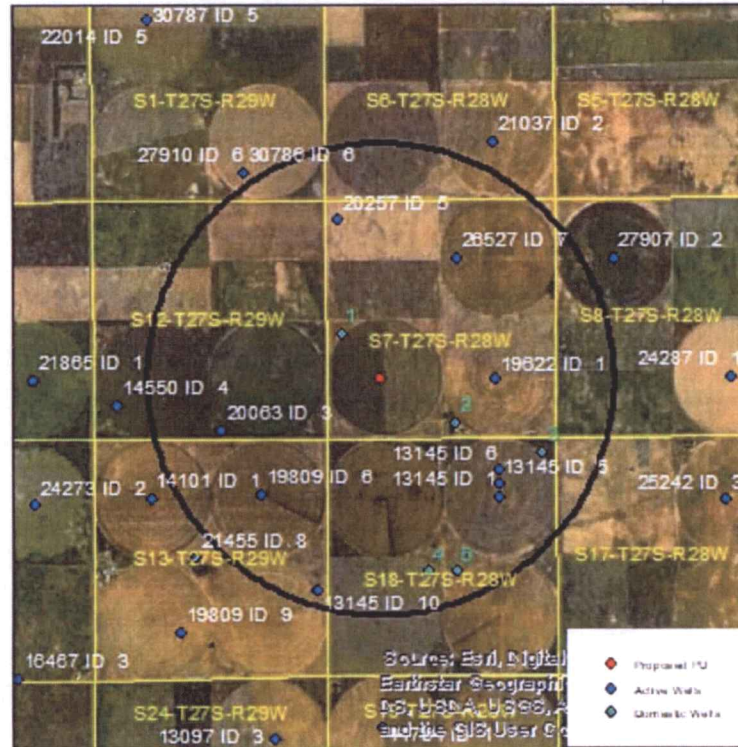
26527 Applicant

>-----
> DANIEL J WENDEL
>
> PO BOX 117
> INGALLS KS 67853
>-----
=====

27907

Evaluation of proposed move for Water Right No. 19622

Proposed: Move water right no. 19622 to a new well location, 2604 ft to the west.



Wells within 1 mile: 20063, 20257, 26527, 19809, 13145 ID10, 13145 ID5, and five domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 89 ft, based upon the GMD3 model. For saturated thickness between 75 ft and 100 ft, the drawdown allowance is 2.0 ft.

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

$S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 92 \text{ days}$, $Q_{\text{current}} = 100 \text{ gpm}$, $tp_{\text{proposed}} = 70 \text{ days}$,
 $Q_{\text{proposed}} = 840 \text{ gpm}$

Theis drawdowns were calculated as follows:

20063:	Drawdown from current location = 0.41 ft
	Drawdown from proposed location = 3.75 ft
	Net drawdown = 3.3 ft
20257:	Drawdown from current location = 0.44 ft
	Drawdown from proposed location = 3.79 ft
	Net drawdown = 3.3 ft

26527: Drawdown from current location = 0.53 ft
Drawdown from proposed location = 3.95 ft
Net drawdown = **3.4 ft**

19809: Drawdown from current location = 0.42 ft
Drawdown from proposed location = 3.76 ft
Net drawdown = **3.3 ft**

13145 ID10: Drawdown from current location = 0.41 ft
Drawdown from proposed location = 3.40 ft
Net drawdown = **3.0 ft**

13145 ID5: Drawdown from current location = 0.56 ft
Drawdown from proposed location = 3.82 ft
Net drawdown = **3.3 ft**

Domestic 1: Drawdown from current location = 0.49 ft
Drawdown from proposed location = 5.06 ft
Net drawdown = **4.6 ft**

Domestic 2: Drawdown from current location = 0.64 ft
Drawdown from proposed location = 4.56 ft
Net drawdown = **3.9 ft**

Domestic 3: Drawdown from current location = 0.58 ft
Drawdown from proposed location = 3.67 ft
Net drawdown = **3.1 ft**

Domestic 4: Drawdown from current location = 0.46 ft
Drawdown from proposed location = 3.53 ft
Net drawdown = **3.1 ft**

Domestic 5: Drawdown from current location = 0.46 ft
Drawdown from proposed location = 3.48 ft
Net drawdown = **3.0 ft**

Net drawdown exceeds the drawdown allowance of 2.0 ft for all wells within 1 mile of the proposed location. Critical well analysis is necessary on those wells.

Critical Well Evaluation:

20063:

Water Column = 93 ft

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

DE = 29.9 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 3.3 ft ($S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $Q = 135 \text{ gpm}$, $tp = 210 \text{ days}$, efficiency = 70%)

DT = 36.5 ft

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

Physical Drawdown Constraint (PDC) = $93 \text{ ft} - 60 \text{ ft} = 33.0 \text{ ft}$

Total drawdown of 36.5 ft is greater than the PDC, so this well is **critical**.

20257:

Water Column = 89 ft

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

DE = 34.5 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 0 ft

DT = 37.8 ft

Economic Drawdown Constraint (EDC) = $0.4 * 89 \text{ ft} = 35.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $89 \text{ ft} - 60 \text{ ft} = 29 \text{ ft}$

Total drawdown of 37.8 ft is greater than the EDC and PDC, so this well is **critical**.

26527:

Water Column = 89 ft

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

DE = 34.5 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 3.6 ft ($S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $Q = 150 \text{ gpm}$, $tp = 118 \text{ days}$, efficiency = 70%)

DT = 41.5 ft

Economic Drawdown Constraint (EDC) = $0.4 * 89 \text{ ft} = 35.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $89 \text{ ft} - 60 \text{ ft} = 29 \text{ ft}$

Total drawdown of 41.5 ft is greater than the EDC and PDC, so this well is **critical**.

19809:

Water Column = 111 ft

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

DE = 34.2 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 9.5 ft ($S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $Q = 400 \text{ gpm}$, $tp = 126 \text{ days}$, efficiency = 70%)

DT = 47 ft

Economic Drawdown Constraint (EDC) = $0.4 * 111 \text{ ft} = 44.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $111 \text{ ft} - 60 \text{ ft} = 51 \text{ ft}$

Total drawdown of 47 ft is greater than the EDC, so this well is **critical**.

13145 ID10:

Water Column = 111 ft

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

DE = 34.2 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 12.6 ft ($S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $Q = 530 \text{ gpm}$, $tp = 126 \text{ days}$, efficiency = 70%)

DT = 49.8 ft

Economic Drawdown Constraint (EDC) = $0.4 * 111 \text{ ft} = 44.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $111 \text{ ft} - 60 \text{ ft} = 51 \text{ ft}$

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

13145 ID5:

Water Column = 104 ft

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

DE = 35.9 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 3.1 ft ($S = 0.001403$, $T = 20,300 \text{ ft}^2/\text{day}$, $Q = 126 \text{ gpm}$, $tp = 257 \text{ days}$, efficiency = 70%)

DT = 42.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 104 \text{ ft} = 41.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $104 \text{ ft} - 60 \text{ ft} = 44 \text{ ft}$

Total drawdown of 42.0 ft is greater than the EDC, so this well is **critical**.

Domestic 1:

Water Column = 89 ft

DP = 4.6 ft (Net drawdown from the proposal indicated above)

DE = 34.5 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 39.1 ft

Economic Drawdown Constraint (EDC) = $0.4 * 89 \text{ ft} = 35.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $89 \text{ ft} - 20 \text{ ft} = 69 \text{ ft}$

Total drawdown of 39.13 ft is greater than the EDC, so this well is **critical**.

Domestic 2:

Water Column = 89 ft

DP = 3.9 ft (Net drawdown from the proposal indicated above)

DE = 34.5 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 38.4 ft

Economic Drawdown Constraint (EDC) = $0.4 * 89 \text{ ft} = 35.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $89 \text{ ft} - 20 \text{ ft} = 69 \text{ ft}$

Total drawdown of 38.4 ft is greater than the EDC, so this well is **critical**.

Domestic 3:

Water Column = 104 ft

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

DE = 35.9 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 39.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 104 \text{ ft} = 41.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $104 \text{ ft} - 20 \text{ ft} = 84 \text{ ft}$

Total drawdown of 39.0 ft is less than the EDC and PDC, so this well is **not critical**.

Domestic 4:

Water Column = 104 ft

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

DE = 35.9 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 39.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 104 \text{ ft} = 41.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $104 \text{ ft} - 20 \text{ ft} = 84 \text{ ft}$

Total drawdown of 39.0 ft is less than the EDC and PDC, so this well **is not critical**.

Domestic 5:

Water Column = 104 ft

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

DE = 35.9 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 38.9 ft

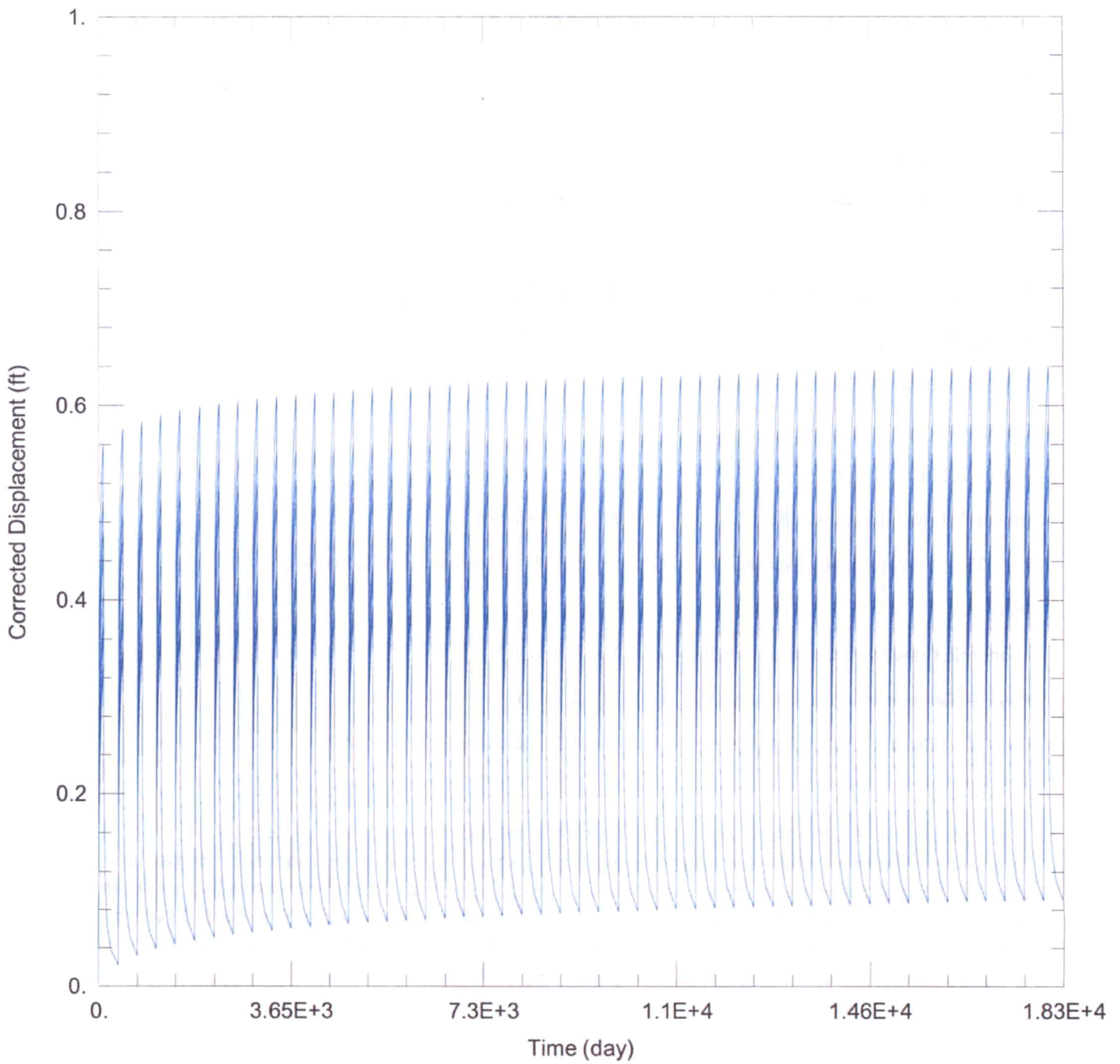
Economic Drawdown Constraint (EDC) = $0.4 * 104 \text{ ft} = 41.6 \text{ ft}$

Physical Drawdown Constraint (PDC) = $104 \text{ ft} - 20 \text{ ft} = 84 \text{ ft}$

Total drawdown of 38.9 ft is less than the EDC and PDC, so this well **is not critical**.

Conclusion:

The proposed move is in an area with low saturated thickness and diminishing well yields. If the proposed well were to pump its full authorized authority, there would likely be a noticeable drawdown effect on all neighboring wells. Critical well analysis shows that most of the neighboring wells are critical because model projections show the usable portion of the aquifer declining more than 40% in 25 years, in some cases leaving less than 60 ft of remaining thickness. Concerned neighbors may contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

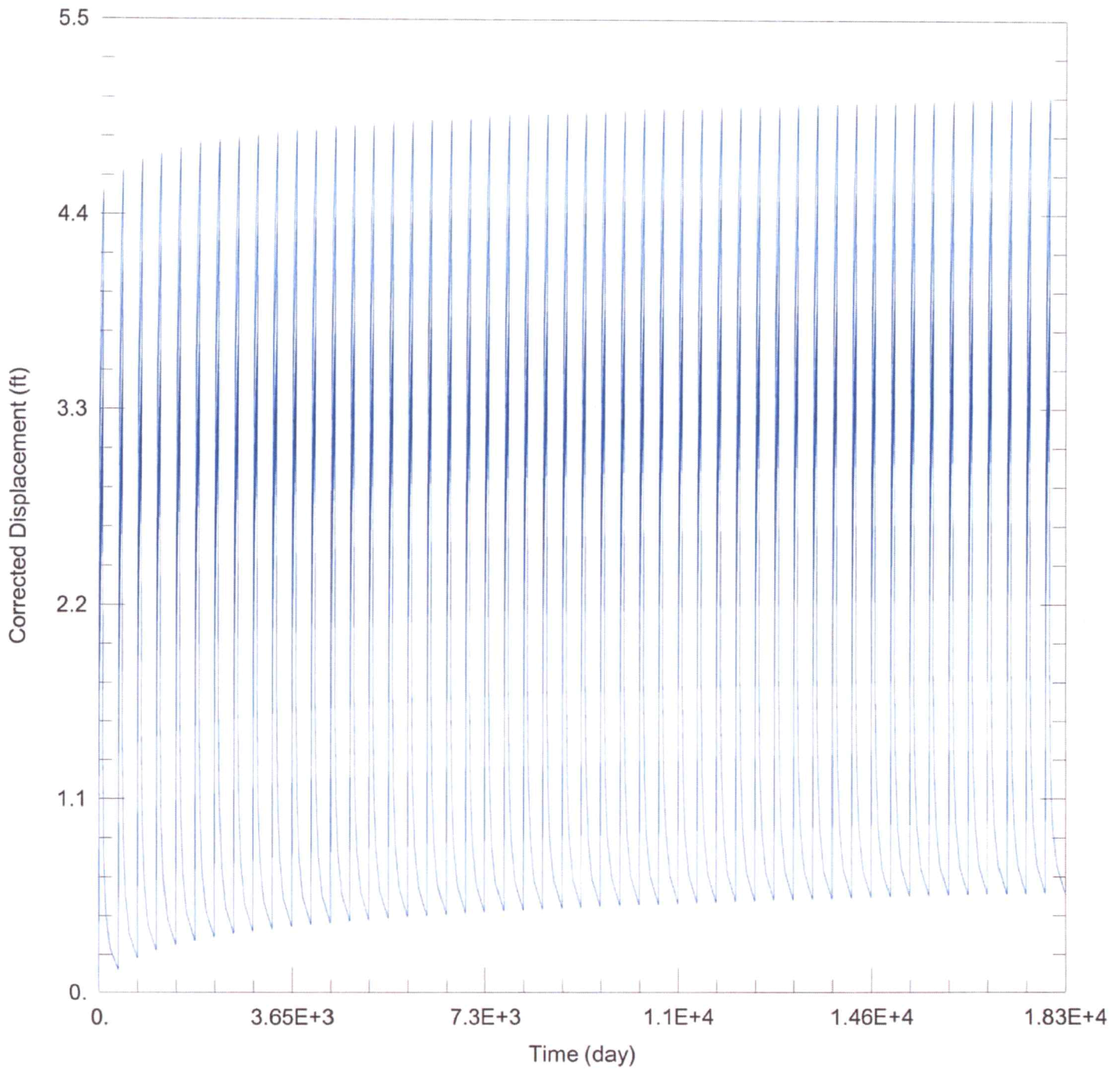
Data Set: C:\Users\trevora\Documents\2022_moves\19622\19622 Current.aqt
 Date: 09/27/22 Time: 14:16:03

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	109680	304886	□	109680	304886



WELL TEST ANALYSIS

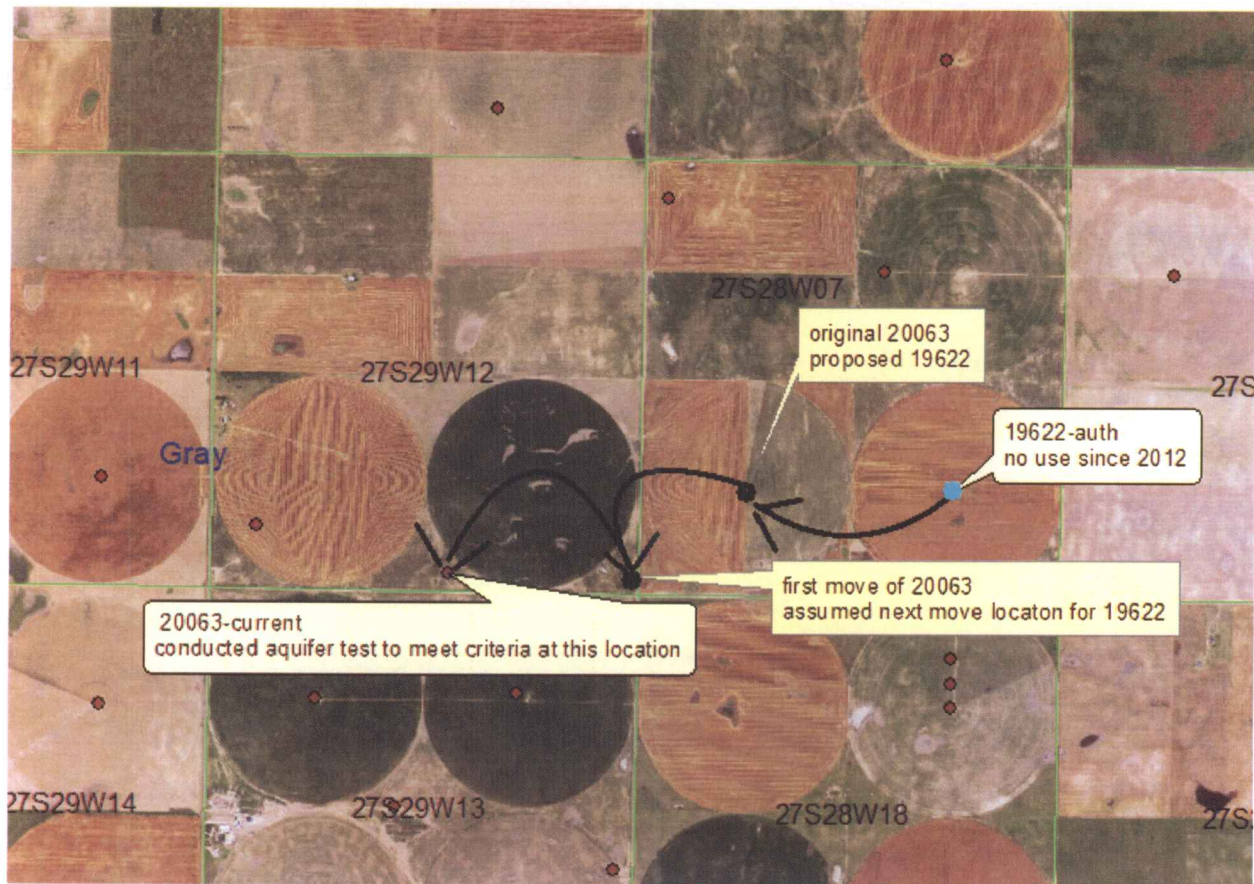
Data Set: C:\Users\trevora\Documents\2022_moves\19622\19622 Proposed.aqt
 Date: 09/27/22 Time: 14:15:57

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	107077	304876	□	107077	304876



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

October 24, 2022

GREG MAHIN
13702 RD
MONTEZUMA KS 67867

Re: Water Right, File No. 19622

Dear Sir:

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

You are notified of this proposed point of diversion (well) 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,

Sincerely,

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

Michael A. Meyer
Water Commissioner

MAM

SCANNED

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

October 24, 2022

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 the Love Ag Company 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 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,


Michael A. Meyer
Water Commissioner

MAM
Enclosures