

File No. **21585** 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 Rate gpm Quantity af Overlap PD Files

DEL 37187
ENT SE SE NE 26 27S 29W 2745 592 618 260 618 260 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 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 14119																									

Base Acres: Year: Minimum Reasonable Quantity:
 Comments: **NOTE: REDUCTION IN AUTHORIZED / ADDITIONAL RATE**

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



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

Mike Beam, Secretary

Laura Kelly, Governor

June 23, 2022

ISAAK & AGATHA LOEPKY
12506 Y RD
MONTEZUMA, KS 67867

RE: Filed Office Application for Change
Water Right, File No. 21585

Dear Sir or Madam:

Enclosed is the 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 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 document referred to above, it 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 "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc: GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 23rd day of June, 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 21,585 dated 23rd day of June, 2022 was mailed postage prepaid, first class, US mail to the following:

ISAAK & AGATHA LOEPKY
12506 Y RD
MONTEZUMA, KS 67867

Pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3


Division of Water Resources Staff

Submit completed application to:
 Kansas Department of Agriculture
 Division of Water Resources
 Field Office for your area.

Call for address:

Topeka -- (785) 296-5733
 Stafford -- (620) 234-5311
 Stockton -- (785) 425-6787
 Garden City -- (620) 276-2901
<http://agriculture.ks.gov/dwr>

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



STATE OF KANSAS

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

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

File No. 21585

RECEIVED

11:00 am

APR 08 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: DAVID LOEPKY LOEPKY FARM PARTNERSHIP
12506 RD Y MONTEZUMA, KS 67867

Phone Number: (620)290-4457 Email address: _____

Name and address of Water Use Correspondent: NO CHANGE
NO CHANGE

Phone Number: () Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: NO CHANGE

ADDRESS: NO CHANGE

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

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

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

Owner of Land ---- NAME: NO CHANGE

ADDRESS: NO CHANGE

(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 4-8-22 Check # 2109

5. **Presently authorized point of diversion:**
 One in the NE Quarter of the NC Quarter of the NE Quarter of Section 26, Township 27 South, Range 29 W, in GRAY County, Kansas, 3940 feet North 1320 feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 1 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 SE Quarter of the SE Quarter of the NE Quarter of Section 26, Township 27 South, Range 29 W, in GRAY County, Kansas, 2745 feet North 592 feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) 284.
 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 _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ 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) Loss of production

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

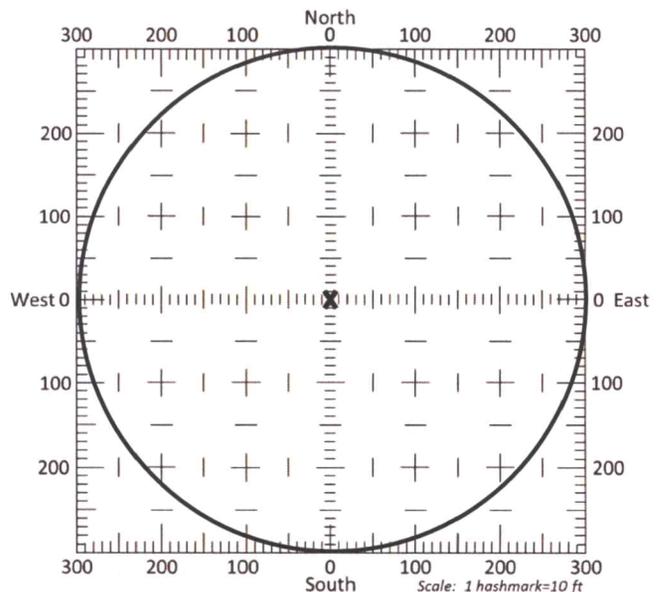
9. The change(s) (was)(will be) completed by?

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

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by JG/GCFO

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).

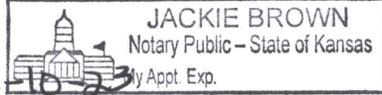
I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application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

Dated at MONTEZUMA, Kansas, this 8th day of APRIL, 2022.

X [Signature] _____ (Owner) _____ (Spouse)
 _____ (Please Print) _____ (Please Print)
 _____ (Owner) _____ (Spouse)
 _____ (Please Print) _____ (Please Print)
 _____ (Owner) _____ (Spouse)
 _____ (Please Print) _____ (Please Print)

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 8th day of April, 2022.

My Commission Expires 12-10-23  [Signature] 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

ADDITIONAL CONDITIONS TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS,
Water Right, File No. 21,585

The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

This order effectively reduces the authorized maximum rate of diversion to a rate no to exceed 618 gallons per minute (1.37 c.f.s.) from the authorized point of diversion described herein.

By: Austin McColloch
(Duly Authorized Designee of the Chief Engineer)

(Print Name): Austin McColloch
Division of Water Resources Kansas Department of Agriculture

Dated of Issuance: June 23, 2022

State of Kansas)
) SS
County of Finney)

Acknowledged before me on the 23rd day of June, 2022

By Austin McColloch

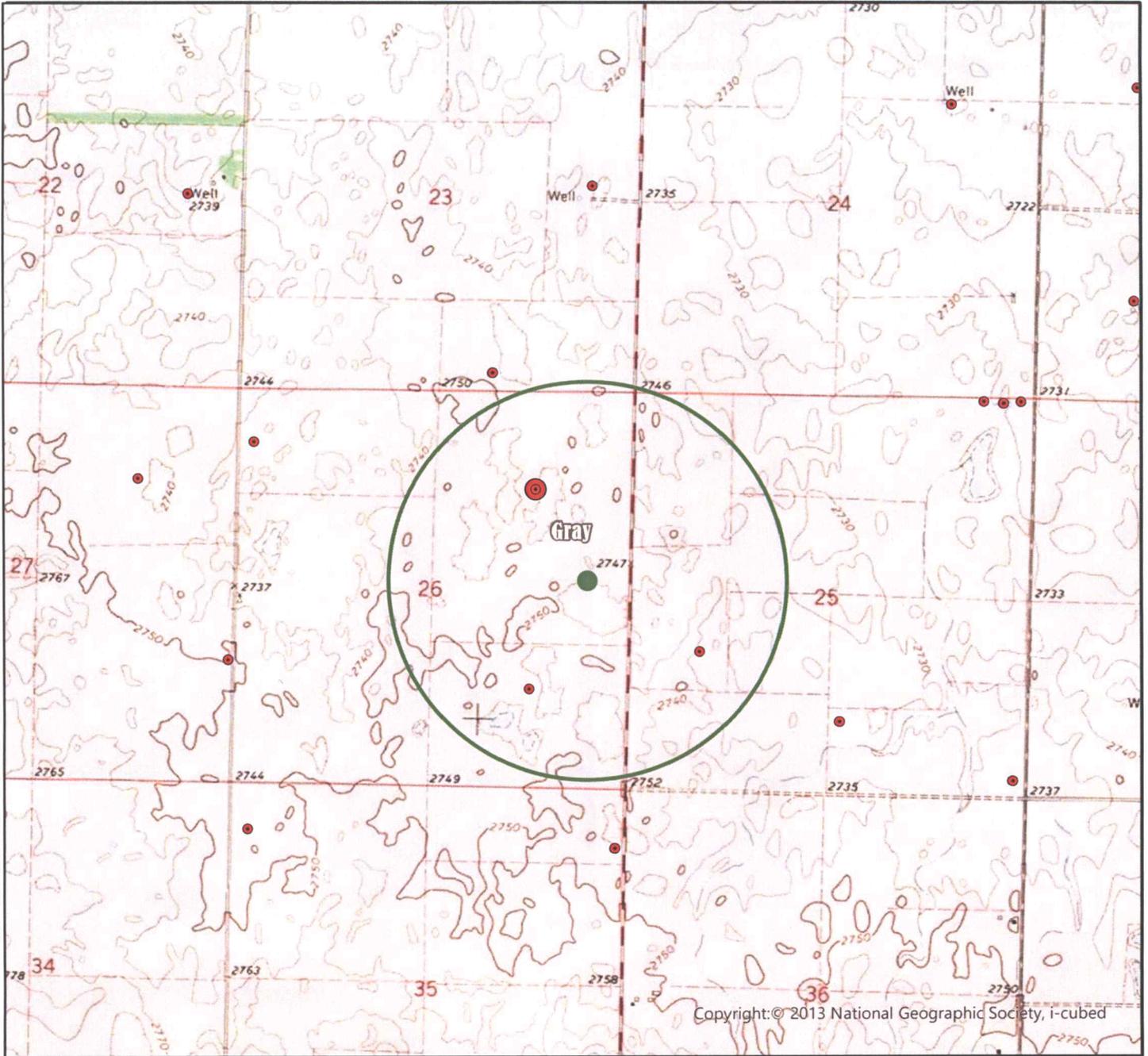
Signature Julie Jones
Notary Public

My Commission expires



CHANGE IN PLACE OF DIVERSION WATER RIGHT, FILE NO. 21585

NE 1/4 of Section 26 Township 27 South Range 29 West Gray County



Copyright: © 2013 National Geographic Society, i-cubed

- Authorized Point of Diversion
- Proposed Point of Diversion
- Domestic Well within 1/2 mile
- 1/2 mile buffer

List of owner name and addresses within 1/2 mile:



All wells of any kind within 1/2 mile of the requested place of use have been plotted.

(Signature)

Date

Date JG/GCFO
1:24,000 Scale

McColloch, Austin [KDA]

From: David Loepky <dloepky@yahoo.com>
Sent: Wednesday, June 22, 2022 4:13 PM
To: McColloch, Austin [KDA]
Subject: Re: Change Application File No. 21585

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.

Yes, we agree but with discontent of not getting 750gpm.

[Sent from Yahoo Mail on Android](#)

On Wed, Jun 22, 2022 at 4:07 PM, McColloch, Austin [KDA]
<Austin.McColloch@ks.gov> wrote:

David,

Please respond if you agree or not to reducing the authorized rate of diversion for the above referenced water right to 618 gallons per minute in order to make the change in point of diversion approvable.

Thanks,

Austin J. McColloch

Assistant Water Commissioner

Kansas Department of Agriculture- DWR

Garden City Field Office

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

Ph: (620) 276-2901

D. Engelhaupt
6/13/2022

This analysis of application to change point of diversion, File No. 21,585

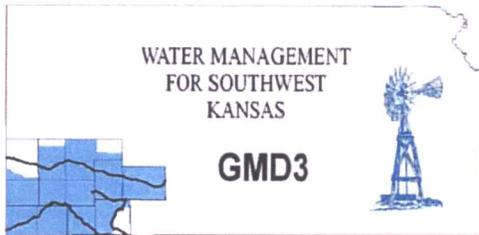
A 50-year Theis analysis was used to evaluate the potential impacts of a proposed change in point of diversion for File No. 21,585. The impacts were evaluated at a point of diversion authorized by File No. 26,293 located approximately 1,760 feet southeast of the proposed new location. The impact of pumping the authorized quantity (260 acre-feet) at the authorized rate (905 gallons per minute) at the proposed location was compared to pumping the average water use (165 acre-feet, 1990-2007) at the last reported rate (400 gallons per minute). The assumed transmissivity of 6,240 square-feet per day is the average projected 2066 transmissivity from the GMD No. 3 groundwater model for Township 27 South, Range 29 West, Section 26 multiplied by the average hydraulic conductivity from a pump test located approximately 2.6 miles north-northeast of the proposed well. The model projects the average saturated thickness in 2066 to be 24 feet for these sections. The pump test storativity of 0.0014 was used. Under these assumptions the maximum dynamic drawdown at the point of diversion authorized by File No. 26,293 is increased by 8.0 feet, or 33.4% of the projected saturated thickness (Table 1). If the proposed rate is limited to 618 gallons per minute the increase in drawdown is limited to 4.8 feet, or 20.0% of the projected saturated thickness (Table 2).

Table 1: Theis analysis of drawdown at File No. 26,293; T = 6,240 ft²/day; S = 0.0014

Scenario	Distance (Feet)	Quantity (Acre-Feet)	Rate (GPM)	Drawdown (Feet)	Drawdown (%ST)
Proposed	1,760	260	905	13.6	56.7%
Current	3,068	165	400	5.6	23.3%
			Net:	8.0	33.4%

Table 2: Theis analysis of drawdown at File No. 26,293; T = 6,240 ft²/day; S = 0.0014; Rate = 618 GPM

Scenario	Distance (Feet)	Quantity (Acre-Feet)	Rate (GPM)	Drawdown (Feet)	Drawdown (%ST)
Proposed	1,760	260	905 618	10.4	43.3%
Current	3,068	165	400	5.6	23.3%
			Net:	4.8	20.0%



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

May 16, 2022

RECEIVED

MAY 16 2022

Garden City Field Office
Division of Water Resources

Austin McColloch
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. 21585

Dear Austin:

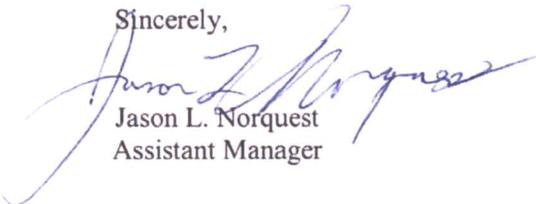
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 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 (2.0 ft on the sections with saturated thickness between 75-100'), 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. The effects could possibly be mitigated with limitations to the proposed well. We did not receive any comments from neighbor notices. Therefore, GMD3 sees this move as meeting current rules and would recommend approval if better information is determined 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

GMD3 Change Review

File No(s): 21585 . DWR office: GC.
App filed to change: Loepky Farm Partnership %David Loepky .
Is Landowner(s) correct in WRIS: .
 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) 01 being changed.

	ft. North	ft. West	
Authorized PD	3940	1320	Sect 26-27-29
Proposed PD	2745	592	
Difference	1195 s	728 e	
$a^2 + b^2 = c^2$	1428025	529984	1399.289 foot move SE

GPS for proposed PD: Lat: 37.67176 Long: -100.45392 .
Is proposed PD stacking on existing WRs? .
Is Proposed PU overlapping existing WRs? .
Neighboring certified well(s) notified: .
Name Verlyn & Nola Yost (11725, 16467, 30725).
Address 25304 10 RD.
Zip Montezuma, KS 67867.
Email: verlynnola@gmail.com Phone: 620-846-53 .

Name Gregory C & Sue Love (14703, 26293).
Address 24506 13 RD.
Zip Montezuma, KZS 67867.
Email: greg.c.love@gmail.com Phone: 620-846-222.

Name Clayton & Sherilyn J Yost (15954, 18943, 21294, 25144).
Address 102 S Nite.
Zip Montezuma, KS 67867.
Email: monteproduce@gmail.com Phone: 620-846-532 .

Domestic well(s) notified: .
Name Franz Penner Trust (SE SE of 26).
Address 23903 12 RD.
Zip Montezuma, KS 67867.

Name Jed & Chandra Yost (SW SW of 26).
Address 28606 12 RD.
Zip Montezuma, KS 67867.

GMD3 Change Review

Name Galen & Keltie Schmidt (NC E2 of 27).
Address PO Box 491.
Zip Montezuma, KS 67867.

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Gray County

Authorized 260AF @ 905gpm.

Appears current well around 190'

Proposed depth of 284'

Reported water use (2012-2021): 162.336AF/year

400gpm reported on 2017 WUR

Well not running during most recent GMD3 inspection.

Is a waiver needed: Move is less than half mile. Minimum spacing to neighboring wells is met after verifying with GPS. Low saturated thickness area, analysis did show that there could be critical wells is proposed well is pumped at full authority. Did not receive any comments from neighboring wells.

Recommendation: After review of all available information, it appears current area rules are met. Would recommend approve with verification that there won't be possible impairment.



INPUTS		
	Longitude	Latitude
Point 1	-100.453920	37.671760
Point 2	-100.456430	37.667800

Proposed 21585
GMD3 inspection 18943

Degrees Longitude per Foot 3.45472380E-06
 Degrees Latitude per Foot 2.74624835E-06

Distance Between Points (ft) 1615

Compute Distance Between Points

- Instructions**
1. Enter Longitudes and Latitudes of the two points (both must be in the same datum, NAD27 or NAD83).
 2. Click "Compute Distance Between Points" button.

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

2745 Feet N and 592 Feet W of the Southeast Corner of Section 26 Twp 27S Rng 29W
 Located at: 100.453919 West Longitude and 37.671761 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	11725	00	IRR	NK	G		5269	-- NC E2 E2	2720	670	23	27	29W	1		2100	404.00
A__ AF	14703	00	IRR	NK	G		3838	-- NW SW SE	940	2520	25	27	29W	6		100	249.00
A__ AF	15954	00	IRR	NK	G		4901	-- SE NE SE	1630	70	27	27	29W	2		1000 ^{c/06}	307.00
A__ AF	16467	00	IRR	NK	G		3052	-- SE SW SE	190	1940	23	27	29W	2		1000	400.00
A__ AF	18943	00	IRR	NK	G		1559	-- -- NC SE	1360	1320	26	27	29W	1		100	272.00
A__ AF	21294	00	IRR	NK	G		4901	-- SE NE SE	1630	70	27	27	29W	2		100	99.00
A__ AF	21585	00	IRR	NK	G*		1403	-- -- NC NE	3940	1320	26	27	29W	2		100	260.00
A__ AF	25144	00	IRR	NK	G		4853	-- SW NW NW	4610	5070	26	27	29W	5		100	300.00
A__ AF	26293	00	IRR	NK	G		1760	-- SE NW SW	1832	4395	25	27	29W	7		100	254.00
A__ AF	30725	00	IRR	NK	G		3581	-- SE NE NE	4485	160	35	27	29W	3		100	256.00

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) =	2501.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2501.00	.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:

2745 Feet North and 592 Feet West of the Southeast Corner of Section 26 Twp 27S Rng 29W
 Located at: 100.453919 West Longitude and 37.671761 North Latitude
 Both SURFACE WATER and GROUNDWATER
 WATER USE CORRESPONDENTS:

- > File Number Use ST SR
- > VERLYN & NOLA YOST
- > 25304 10 RD 11725
- > MONTEZUMA KS 67867
-
- > GREGORY C & SUE LOVE
- > 24506 13 RD 14703
- > MONTEZUMA KS 67867
-
- > CLAYTON & SHERILYN J YOST
- > 102 S NITE 15954

> MONTEZUMA KS 67867

> -----

> VERLYN & NOLA YOST

> 25304 10 RD

16067

> MONTEZUMA KS 67867

> -----

> CLAYTON & SHERILYN J YOST

> 102 S NITE

18942

> MONTEZUMA KS 67867

> -----

> CLAYTON & SHERILYN J YOST

> 102 S NITE

21200

> MONTEZUMA KS 67867

> ISAAK & AGATHA LOEPKY

> 12506 Y RD

21985

> MONTEZUMA KS 67867

> -----

> CLAYTON & SHERILYN J YOST

> 102 S NITE

25144

> MONTEZUMA KS 67867

> -----

> GREGORY C & SUE LOVE

> 24506 13 RD

5853

> MONTEZUMA KS 67867

> -----

> VERLYN & NOLA YOST

> 25304 10 RD

70725

> MONTEZUMA KS 67867

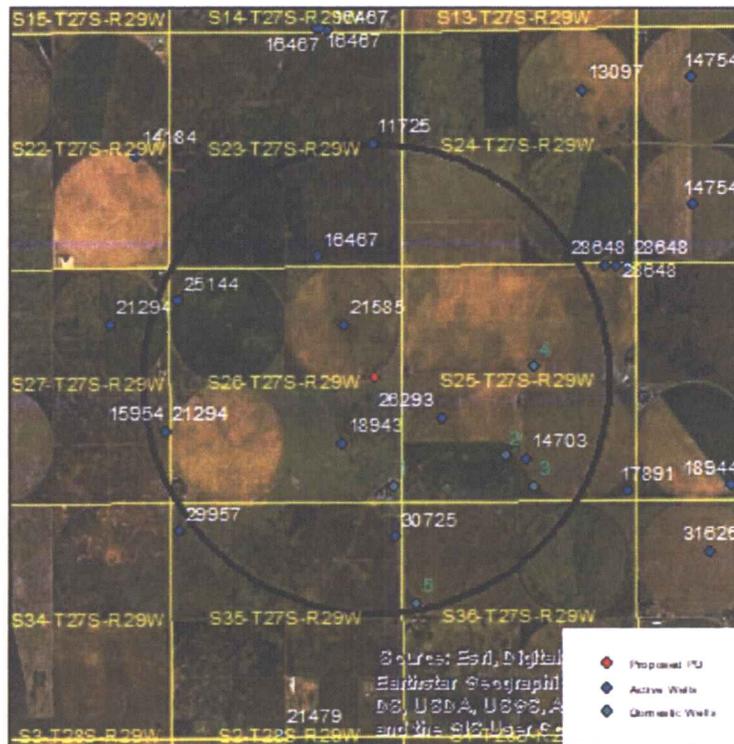
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Application
11

Evaluation of proposed move for Water Right No. 21585

Proposed: Move water right no. 21585 to a new well location, 1,403 ft to the southeast.



Wells within 1 mile: 16467, 11725, 15954 & 21294, 25144, 18943, 26293, 14703, 30725, and five domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 90 ft, based upon the driller's log and observation wells in sections 27-27-29 and 30-27-28. 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:

$S = 0.163$, $T = 6480.2 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 92 \text{ days}$, $Q_{\text{current}} = 400 \text{ gpm}$, $tp_{\text{proposed}} = 65 \text{ days}$,
 $Q_{\text{proposed}} = 905 \text{ gpm}$

Theis drawdowns were calculated as follows:

16467: Drawdown from current location = 2.21 ft
 Drawdown from proposed location = 2.36 ft
 Net drawdown = **0.1 ft**

11725: Drawdown from current location = 1.19 ft
 Drawdown from proposed location = 1.63 ft
 Net drawdown = **0.4 ft**

15954 & 21294: Drawdown from current location = 1.09 ft
Drawdown from proposed location = 1.71 ft
Net drawdown = **0.6 ft**

25144: Drawdown from current location = 1.25 ft
Drawdown from proposed location = 1.73 ft
Net drawdown = **0.5 ft**

18943: Drawdown from current location = 1.60 ft
Drawdown from proposed location = 3.81 ft
Net drawdown = **2.2 ft**

26293: Drawdown from current location = 1.44 ft
Drawdown from proposed location = 3.61 ft
Net drawdown = **2.2 ft**

14703: Drawdown from current location = 1.04 ft
Drawdown from proposed location = 2.00 ft
Net drawdown = **1.0 ft**

30725: Drawdown from current location = 1.07 ft
Drawdown from proposed location = 2.10 ft
Net drawdown = **1.0 ft**

Domestic 1: Drawdown from current location = 1.26 ft
Drawdown from proposed location = 2.81 ft
Net drawdown = **1.5 ft**

Domestic 2: Drawdown from current location = 1.09 ft
Drawdown from proposed location = 2.19 ft
Net drawdown = **1.1 ft**

Domestic 3: Drawdown from current location = 0.98 ft
Drawdown from proposed location = 1.84 ft
Net drawdown = **0.9 ft**

Domestic 4: Drawdown from current location = 1.13 ft
Drawdown from proposed location = 2.10 ft
Net drawdown = **1.0 ft**

Domestic 5: Drawdown from current location = 0.90 ft
Drawdown from proposed location = 1.66 ft
Net drawdown = **0.8 ft**

Net drawdown exceeds the drawdown allowance of 2.0 ft for water right numbers 18943 and 26293. Critical well analysis is necessary on those wells.

Critical Well Evaluation:

18943:

Water Column = 90 ft

DP = 2.2 ft (Net drawdown from the proposal indicated above)

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

DD = 0 ft (Well has not been operated for more than 10 years)

DT = 35.8 ft

Economic Drawdown Constraint (EDC) = $0.4 * 90 \text{ ft} = 36.0 \text{ ft}$

Physical Drawdown Constraint (PDC) = $90 \text{ ft} - 60 \text{ ft} = 30 \text{ ft}$

Total drawdown of 35.8 ft is greater than the PDC, so this well is **critical**.

26293:

Water Column = 90 ft

DP = 2.2 ft (Net drawdown from the proposal indicated above)

DE = 33.0 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 45.6 ft ($S = 0.09743$, $T = 35,783 \text{ gpd/ft}$, $Q = 630 \text{ gpm}$, $t_p = 68.5 \text{ days}$, efficiency = 70%)

DT = 80.8 ft

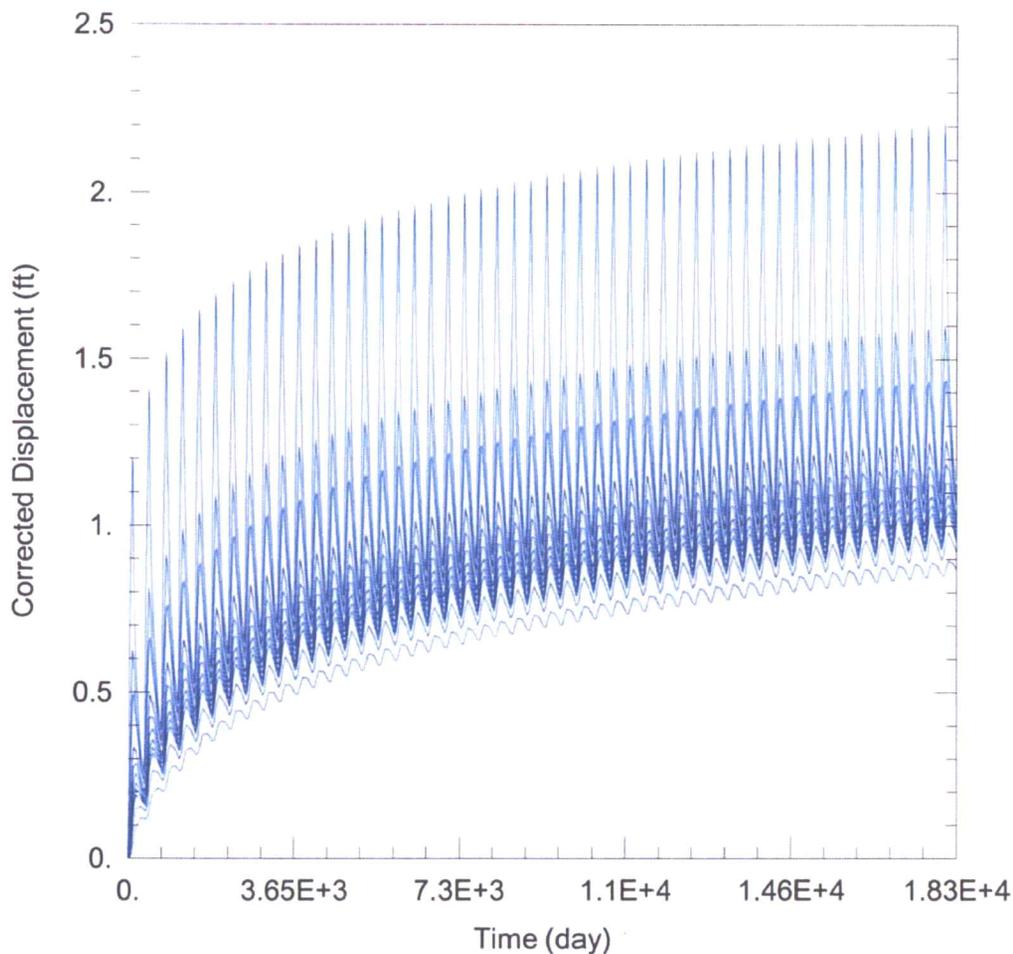
Economic Drawdown Constraint (EDC) = $0.4 * 90 \text{ ft} = 36.0 \text{ ft}$

Physical Drawdown Constraint (PDC) = $90 \text{ ft} - 60 \text{ ft} = 30 \text{ ft}$

Total drawdown of 80.8 ft is greater than the EDC and PDC, so this well is **critical**.

Conclusion:

The proposed move is within a declining area with less than 100 ft saturated thickness. If the proposed well were to pump its full authorized authority, most effects on nearby wells would be minimal, but effects on two nearby critical wells exceed the drawdown allowance of 2.0 ft. One of these wells has not been operated for several years, but the other one was recently redrilled and might notice some well-to-well interaction effects. Concerned neighbors can 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\21585\21585 Current.aqt
 Date: 04/27/22 Time: 14:41:28

PROJECT INFORMATION

Company: GMD 3
 Project: 21585
 Location: Gray County

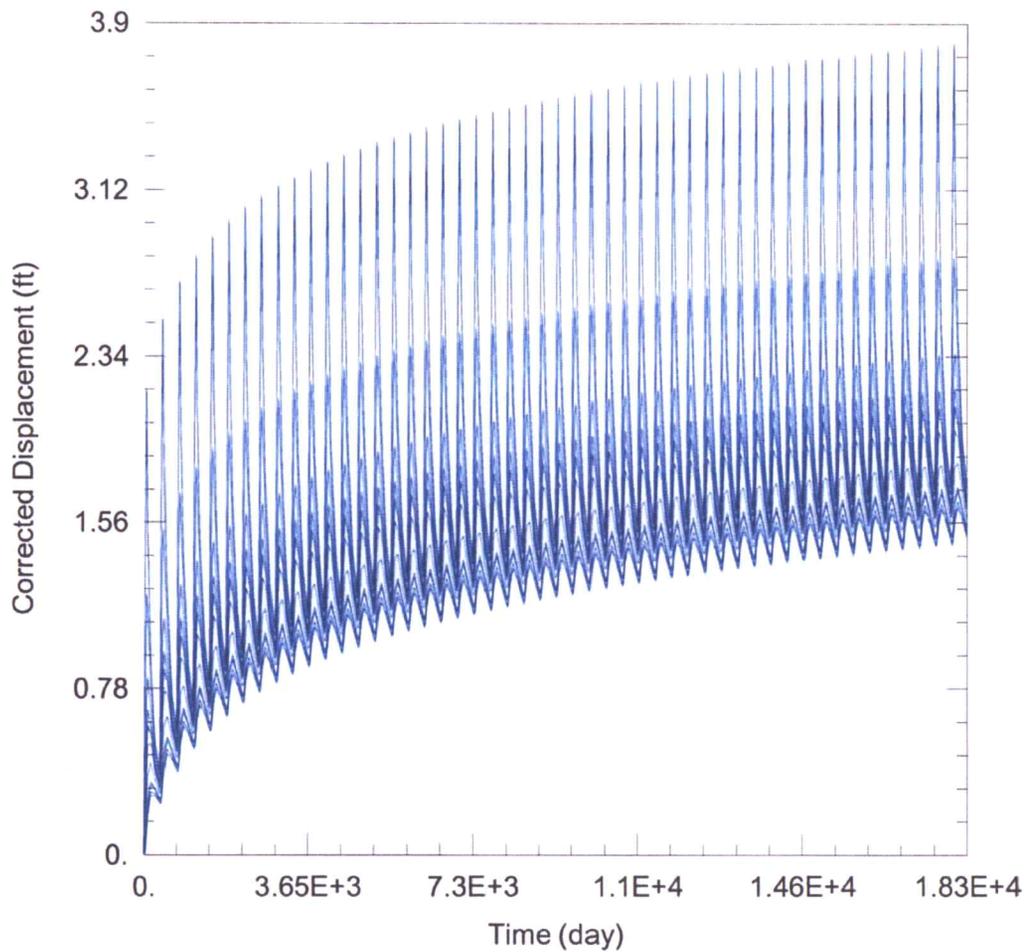
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
21585	99286	291496

Observation Wells

Well Name	X (ft)	Y (ft)
□	99286	291496
□ 16467	98672	293038
□ 11725	99937	295563
□ 15954 & 21294	95242	289119
□ 25144	95521	292033
□ 18943	99267	288838
□ 26293	101522	289396
□ 14703	103407	288511
□ 30725	100461	286741
□ Domestic 1	100404	287882
□ Domestic 2	102932	288562
□ Domestic 3	103596	287901
□ Domestic 4	103591	290562
□ Domestic 5	100948	285242



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\21585\21585 Proposed.aqt
 Date: 04/27/22 Time: 14:41:22

PROJECT INFORMATION

Company: GMD 3
 Project: 21585
 Location: Gray County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
21585	100008	290294

Observation Wells

Well Name	X (ft)	Y (ft)
□	100008	290294
□ 16467	98672	293038
□ 11725	99937	295563
□ 15954 & 21294	95242	289119
□ 25144	95521	292033
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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

Laura Kelly, Governor

April 25, 2022

GROUNDWATER MANAGEMENT DISTRICT #3
2009 E SPRUCE ST
GARDEN CITY KS 67846

Re: Request for Recommendation,
File No. 21585

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Loepky Farm Partnership and appears to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

A handwritten signature in blue ink that reads "Austin McColloch".

Austin McColloch
Assistant Water Commissioner

Enclosure
pc:

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

April 8, 2022

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

RE: Application for Change
Water Right, File No. 21585

Dear Sir or Madam:

This is to advise you that Loepky Farm Partnership has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced applications. An irrigation well is proposed to be relocated to the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 26, Township 27 South, Range 29 West, Gray County.

You can find the complete applications posted by water right file number as referenced above at: www.Agriculture.ks.gov/DWRNotices

You are notified on this proposed point of diversion (well) so that you may furnish this office with any comments or other information you 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 contact this office. If you would prefer, you could arrange an appointment 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, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:
GROUNDWATER MANAGEMENT DISTRICT NO. 3

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

April 8, 2022

PAUL & VERBENA YOST
400 E PARKS AVE
MONTEZUMA, KS 67867

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Water Right, File No. 21585

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Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED