Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

1. File Number:	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
21585		C1	4	3
6. Status: ☐ Approved ☐ Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				4/8/2022
8a. Applicant(s)	Person ID 61399	8c. Landowne		Person ID
New to system □	Add Seq#	New to sy	stem []	Add Seq#
ISAAK & AGATHA LOEP 12506 Y RD MONTEZUMA, KS 67867	KY			
8b. Landowner(s) New to system ☐	Person ID Add Seq#	8d. WUC New to sy	stem	Person ID Add Seq#
8a		8a		
-				
9. Documents and Enclosure(s): DV	VR Meter(s) Date to Comp	y: 12/31/2022	N & P Date to	Comply: <u>3/1/2023</u>
☐ Anti-Reverse Meter ☐ Meter	Seal	⊠ N & P Form	⊠ Water Tube 🛮 🖾 Dr	riller Copy 🛛 H & E Letter
☐ Conservation Plan Date Require	ed: Da	te Approved:	Date to	Comply:
10. Use Made of Water From:		To: _		
			Date Prepared: 6/23/2 Date Entered:	022 ву: АМ Ву:

File No. 2158	5	11. County:	GY	Ва	sin: Al	RKAN	SASF	RIVER			S	tream							Fo	rmation Co	de: 21	1 Special Use:	
12. Points of Div	ersion															and Q Authori	uantity zed		A	dditional			
DEL PDIV ENT	Qualifier	S	Т	R	ID		N	ʻW		Com	nment	(AKA	Line)		Rate		Quanti af	ty	Rate			Overlap PD Files	
DEL 37187																							
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13. Storage: Rate		N	۱F	Quai	ntity					ac/ft	А	dditior	nal Rat	e				NF	Addi	tional Quan	tity		_ac/ft
Limitation:		af/yr a	t				gpm (_				cfs) w	hen co	mbine	ed with	file n	umber	(s)						
15. 5YR Allocation	n: Allocation	Туре	_ Sta	art Yea	r		5 YR	Amou	nt		Amo	ount U	nit	_	Base	Acres		_ C	omment _				
16. Place of Use CHK			NE½		NW¹/4				sv	V ¹/₄	SE1/4				Total	Owner	Chg?	Overlap Files					
MOD DEL ENT PUSE	S T R	ID	NE 1/4		SW 1/4	SE 1⁄4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4					
CHK 14119																							
Base Acres:	Year:	M	inimur	m Reas	onable	Quar	ntity:																
Comments: NO	TE: REDUC	CTION IN	AU1	THOR	RIZE) / A	רוסם	ΓΙΟΝ	IAL I	RAT	E												



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,

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

	version and	l/or pl	ace of	use.															
						F	ile No	2	1585									11:00	VED 2022
1.	Application	is he	reby n	nade fo	or appr				nginee		-			ne or b	oth):		arder	n City F	ield Office
						_	lace o			_	Point					Div	ision (er Resource
	under the w	vater	right w	hich is	s the su	ubject	of this	applic	ation i	n acco	rdance	with t	he cor	ndition	s desc	ribed l	pelow.		
	The source	of su	pply is	s:		\boxtimes G	round	water			Surfac	ce wate	er						
2.	Name and	addre	ss of	Applica	ant: <u>D</u>	AVID I	OEP	Υ	1	OE/	OKY	FA	RM	PAH	RTN	ERS	HIP)	
	12506 RD					367													
	Phone Nun										ss:								
	Name and NO CHANO		ess of	Water	Use C	orresp	onden	t: NO	CHAN	NGE									
	Phone Nun	nber:	()					Email	addre	ss:								
3.	The presen	ntly au	ıthoriz	ed pla	ce of u	se is:													
	Owner of L	and -	NA	AME:	NO CH	IANG													
		P	ADDRI	ESS:	NO CH	IANG													
	(If there is m	ore th	an one	landov	vner, at	tach su	ppleme	ental sh	eets as	neces	sary.)								
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Sec	. Twp. R	Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	ACRES
			/																
4.	If this appli				-	•		, it is p	ropose	ed that	the pla	ace of	use be	e chan	ged to	:			-
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5.	Presently authorize	d point o	f diversion:				
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			ounty, Kansas, 3940				
			Authorized Quantity				
	(DWR use only: Co	mputer I	D No. 1 GPS		feet North	feet V	Vest)
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	-	_	: (Complete only if change				
			Quarter of the				
			, Township				
			ounty, Kansas, 2745				
- 1			Proposed Quantity				
- 1			ell Geo Center List oth				
L	This point is:	introllar vv		ioi water ng	The that will add the poli		<u> </u>
. Г	Presently authorize	d point o	of diversion:				
6.					Overden of the		0
			Quarter of the				
	of Section		, Township	64 NI41-	South, Range	60	(E/VV),
			ounty, Kansas,	teet North _	teet west o	of Southeast cor	ner of section.
- 1	Authorized Rate		Authorized Quantity _		Depth of well	(1	eet)
		-	D No. GPS				
			☐This point will be changed				
			: (Complete only if change				
	One in the		Quarter of the		Quarter of the _		Quarter
	of Section		, Township		South, Range		W,
	in	C	ounty, Kansas,	feet North _	feet West o	f Southeast cor	ner of section.
	Proposed Rate		Proposed Quantity		Proposed well dept	th (feet)	
L	This point is: Add	litional W	ell Geo Center List otl	ner water rig	hts that will use this poi	nt	
_							
7.	The changes herein	are desir	ed for the following reasons	?			
	(please be specific)	C022 6	L. OBUCHION	30		100 20	0 300
				E	Turken Innihini		
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8.	If a well, is the test ho	le log atta	ched? Yes No	200	_ / - -	- 1 + 1 -	200
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9.	The change(s) (was)(will be) co	mpleted by?		/		_ _
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10	If the point of diversion	n is a well			=		
10.				West 0	<u></u>	: Anatandanatand	11111111 0 Fast
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	plum ca	Q		Ė			- 1
	(b) When will this be	done?	the same	100	+ + + + + =	- + +	- 100
	(b) When will this be	dolle!	bou combletion				- /=
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11.	Groundwater Manage		rict recommendation attached	? 200	_ \	- + -	200
	☐ fes	™ No				-/-	- 🚽
12	Assisted by JG/GCFC)					قسلس
				30	0 200 100 0 Sou		
13a	.If the proposed point of	f diversion	will be relocated more than 3	00			
	ieet but within 2,640 fe	er or the	existing point of diversion, atta	cn 13b.If the	e proposed point of diver	sion will be reloc	ated within a 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 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

14. If the proposed groundwater point of diversion is 300 or fewer feet from	om the existing point of diversion, complete the following:
(a) Does the undersigned represent all owners of the currently auth ☐ Yes ☐ No (If no, all owners must sign this applied)	orized place(s) of use identified in this application? cation.)
 (b) Will the ownership interest of any owner of the currently authoral 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 sub ☐ Yes ☐ No (If no, all owners must sign this application)	
If the application proposes a surface water change in point of diversion, a or a change in place of use, the application must be signed by all owners agent (attach notarized statement authorizing representation).	a groundwater change in point of diversion greater than 300 feet, s of the currently authorized place of use, or their duly authorized
I hereby verify, being first duly sworn upon my oath or affirm age and the owner, the spouse of the owner, or a duly author their behalf, in regards to the water right(s) to which this application are true, correct and complete.	rized agent of the owner(s) to make this application on plication pertains. I further verify that the statements
Dated at, Kansas, this	8 day of APRIL , 2022
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas County of County of SS	
I hereby certify that the foregoing application was signed in of Record to the control of Record	my presence and sworn to before me this 2tb day
JACKIE BROWN Notary Public – State of Kansas	Cachie ERum
My Commission Expires 12 Page 19 Appt Exp.	Notary Fubile
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all accurate information; maps, if necessary, must be included; signatures of all the a the appropriate fee must be paid.	of the applicable portions of the application form must be completed with ppropriate owners' must be affixed to the application and notarized; and
FEE SCHEDU	
Each application to change the place of use or the point of diversion under forth in the schedule below: Make checks payable to: Kansas Departm (1) Application to change a point of diversion 300 feet or less (2) Application to change a point of diversion more than 300 feet (3) Application to change the place of use	sent of Agriculture \$100 st \$200

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

oro Wit	s 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 visions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, he the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and tations of File No	
1.	A change application was received on 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 foot radius of the authorized point(s) of diversion.	
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	
7.	The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20 , 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 No	
8.	Installation of the works for diversion of water shall be completed on or before December 31, 20, or within any authorized extension of time. By March 1, 20 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	
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 \(\sigma\) 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 <i>Kansas Water Appropriation Law</i> and the <i>Rules and Regulations</i> 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 FOR OFFICE USE ONLY	
you Eng Agr filed adn day revi File Leg 665	APPLICATION APPROVED AND SUMMARY ORDER ISSUED Summay request an evidentiary hearing before the Chief gineer or request administrative review by the Secretary of iculture. A request for hearing by the Chief Engineer must be divithin 15 days of service of this Order and a request for ninistrative review by the Secretary must be filed within 30 as pursuant to K.S.A. 77-531. Any request for administrative lew must state a basis for review pursuant to K.S.A. 77-527. The any request with Kansas Department of Agriculture, all Division, 1320 Research Park Drive, Manhattan, KS 102. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act. APPLICATION APPROVED AND SUMMARY ORDER ISSUED By: Duly Authorized Designee of the Chief Engineer (Print Name): Division of Water Resources - Kansas Department of Agriculture Date of Issuance: State of Kansas) SS	
	For Use by Register of Deeds County of Gunty of	
	by Acknowledged before me on	2
	Signature:Notary Public	and the
	My commission expires: My commission expires: JULIE JONES	

Page 4

File No. <u>21585</u>

DWR 1-121 (Revised 09/11/2019)

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

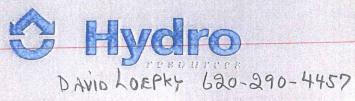
The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

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: Onto Mala (Duly Authorized Designee of the Chief Engineer)
	(Print Name): Austra Mcallook
	Division of Water Resources Kansas Department of Agriculture
	Dated of Issuance: Jone 23, 2022
State of Kansas)	
) SS	
County of Finney)	-l
Acknowledged before me on	the 23 day of June, 2022
By Austin M	c Colloch
Signature <u>yuli</u>	
My Commission expires	JULIE JONES OTARY My Appointment Expires December 15, 2022 ANSIAN OTARY Seal)

File No. 21,585

3795 W. Jones Ave. Garden City, KS 67846 PH: 620-277-2389

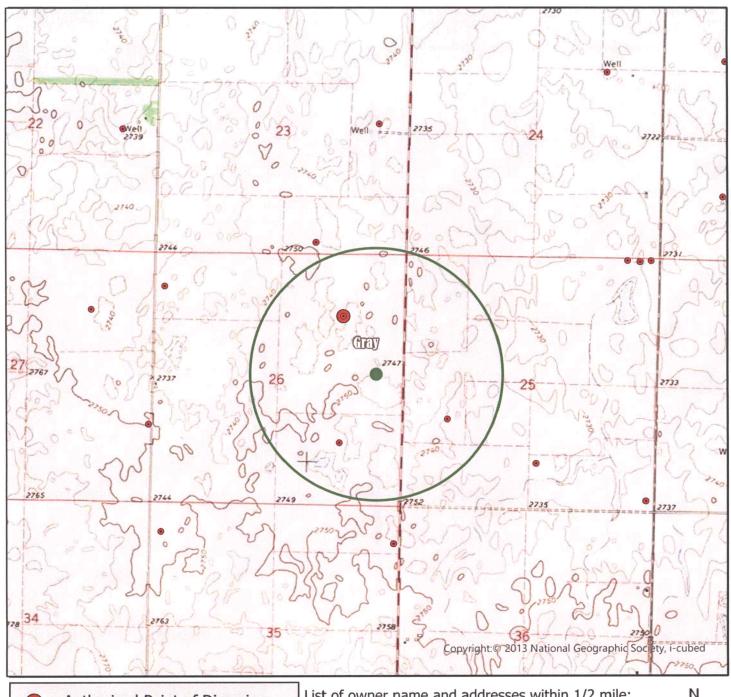


PO Box 639 Garden City, KS 67846 Fax: 620-277-0224

Street Add City, State County Location:	ress:	12506 Daviez Quarter:	ROY	Dodreship 67867 Section: 26 G	W0#: 23091 Test #: (6 Driller: Donn R Township: 27	Range: 29
Rig #:	1000	33	Aug.	Elevation: 2747	Static WL: / 186°	Estimated? web 4, Ste
				WE	LL LOCATION!	
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The State of			-17 C 4 3 3		TO SHOW THE THE RESERVE OF THE PARTY OF THE	

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

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



Authorized Point of Diversion

Proposed Point of Diversion

Domestic Well within 1/2 mile



1/2 mile buffer

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

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



Date JG/GCFO 1:24,000 Scale

McColloch, Austin [KDA]

From:	David Loepky <dloepky@yahoo.com></dloepky@yahoo.com>
Sent: To:	Wednesday, June 22, 2022 4:13 PM McColloch, Austin [KDA]
Subject:	Re: Change Application File No. 21585
	originated from outside of the organization. Do not click any links or open any attachments unless nd know the content is safe.
Yes, we agree but with	n discontent of not getting 750gpm.
Sent from Yahoo Mail	on Android
On Wed, Jun 22, 202 <austin.mccolloch@< td=""><td>2 at 4:07 PM, McColloch, Austin [KDA] 0ks.gov> wrote:</td></austin.mccolloch@<>	2 at 4:07 PM, McColloch, Austin [KDA] 0ks.gov> wrote:
David,	
	agree or not to reducing the authorized rate of diversion for the above referenced water right to e in order to make the change in point of diversion approvable.
Thanks,	
Austin J. McColloch	
Assistant Water Comm	nissioner
Kansas Department of	Agriculture- DWR
Garden City Field Offic	e e
http://agriculture.ks.g	<u>ov/</u>
Ph: (620) 276-2901	

Theis 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; $T = 6,240 \text{ ft}^2/\text{day}$; S = 0.0014

	Distance	Quantity		Drawdown	Drawdown
Scenario	(Feet)	(Acre-Feet)	Rate (GPM)	(Feet)	(%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; $T = 6,240 \text{ ft}^2/\text{day}$; S = 0.0014; Rate = 618 GPM

	Distance	Quantity		Drawdown	Drawdown
Scenario	(Feet)	(Acre-Feet)	Rate (GPM)	(Feet)	(%ST)
Proposed	1,760	260	362 618	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 1 6 2022

Garden City Field Office Division of Water Resources

RE:

Application for Change in Point of Diversion

Water Right, File No. 21585

Dear Austin:

Austin McColloch

Division of Water Resources 4532 W Jones Ave., Suite B

Garden City, Kansas 67846

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	
a2 + b2 = c2	1428025	529984	1399.289 foot move SE

GPS for proposed PD: Lat: <u>37.67176</u> Long: <u>-100.45392</u>. 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: <u>After review of all available information</u>, it appears current area rules are met. Would recommend approve with verification that there won't be possible impairment.

INPUTS					
THE RESERVE AND THE	Longitude	Latitude			
Point 1	-100.453920	37.671760			
Point 2	-100.456430	37.667800			

Degrees Longitude per Foot Degrees Latitude per Foot 3.45472380E-06 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
Unit																_		
A	11725	00	TDD	NIK	G		5269	/_	NC	E2	E 2	2720	670	23	27	2 014	1	2100404.00 404.00
AF	11/25	00	11/1/	1417	G		3203		140	112	112	2120	070	23	21	2 JN		2190 404.00 404.00
								1									_	
A	14/03	00	IRR	NK	G		3838		NW	SW	SE	940	2520	25	27	29W	6	fi = 249.00 249.00
AF								1										406
A	15954	00	IRR	NK	G		4901	_	SE	NE	SE	1630	70	27	27	29W	12	2 1,00 307.00 307.00
A	16467	0.0	TRR	NK	G		3052		SE	SW	SE	190	1940	23	27	29W	2	:40C 400.00 400.00
AF	10101	00	22101				3032		O.L	011	O D	130	1310	20	_ /	2711	_	100.00
	10043	0.0	TDD	3777	~	/	2550					1260	1200	0.0	07	0.017	4	070 00 070 00
	18943	00	IRR	NK	G	1.	1559			NC	SE	1360	1320	26	21	29W	Τ	/ 272.00 272.00
AF							\)										\sim	
A	21294	00	IRR	NK	G		4901		SE	NE	SE	1630	70	27	27	29W	(2)	99.00 99.00
AF																	•	T .
A	21585	0.0	TRR	NK	G*	1	1403			NC	NE	3940	1320	26	27	29W	2	£ 260.00 260.00
AF															-		_	
	25111	00	TDD	MIL	~		4053	/ _	057	3.77-7	ATE	1610	E070	20	27	2 057	_	300.00 .00
A	23144	00	IKK	NK	G		4833		SW	TA M	1/1/W	4610	5070	26	21	29W)	: 300.00 .00
AF								/										±. €
A	26293	00	IRR	NK	G		1760		SE	NW	SW	1832	4395	25	27	29W	7	254.00 254.00
AF																		· 1.
A	30725	00	IRR	NK	G		3581	/	SE	NE	NE	4485	160	35	27	29W	3	256.00 256.00
AF																		
Total Net Quantities Authorized: Direct Storage																		
												Sto	_					
Total	Reques	ste	d Amo	oun	t (Z	(F) =			.00)			.00					

Total	Net Quant	ities Au	thor	ized:	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

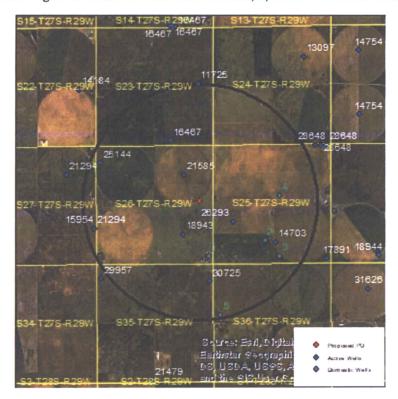
WATER USE CORRESPONDENTS:

> 102 S NITE

> MONTEZUMA KS 67867			
> VERLYN & NOLA YOST > 25304 10 RD > MONTEZUMA KS 67867	16 0.67		
> CLAYTON & SHERILYN J YOST > 102 S NITE > MONTEZUMA KS 67867	18 dris		
> CLAYTON & SHERILYN J YOST > 102 S NITE > MONTEZUMA KS 67867	71700		
> ISAAK & AGATHA LOEPKY > > 12506 Y RD > MONTEZUMA KS 67867	21 5 85	Application	
> CLAYTON & SHERILYN J YOST > 102 S NITE > MONTEZUMA KS 67867	25 144		
> GREGORY C & SUE LOVE > 24506 13 RD > MONTEZUMA KS 67867	: 6243		
> VERLYN & NOLA YOST > 25304 10 RD > MONTEZUMA KS 67867	70725		

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:

$$S = 0.163$$
, $T = 6480.2$ ft²/day, $tp_{current} = 92$ days, $Q_{current} = 400$ gpm, $tp_{proposed} = 65$ days, $Q_{proposed} = 905$ 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
10904 & 21294.	Diawuowii iloili cuitelli location – 1.03 it

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 ft = 36.0 ft

Physical Drawdown Constraint (PDC) = 90 ft - 60 ft = 30 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 gpd/ft, Q = 630 gpm, tp = 68.5 days, efficiency = 70%)

DT = 80.8 ft

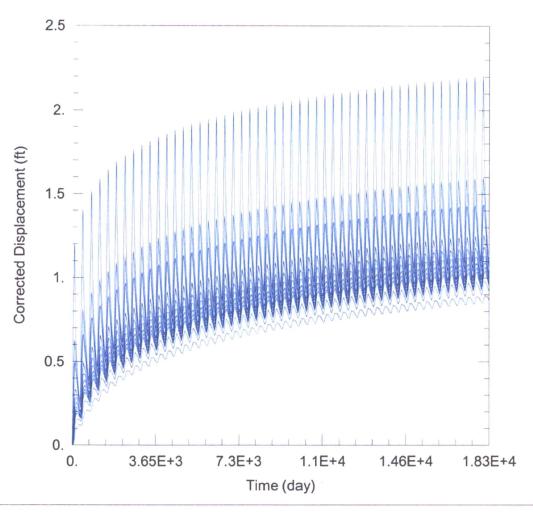
Economic Drawdown Constraint (EDC) = 0.4 * 90 ft = 36.0 ft

Physical Drawdown Constraint (PDC) = 90 ft - 60 ft = 30 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

F	Pumping Wells		Observation Wells					
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)			
21585	99286	291496	D	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

Domestic 4

Domestic 5

103596

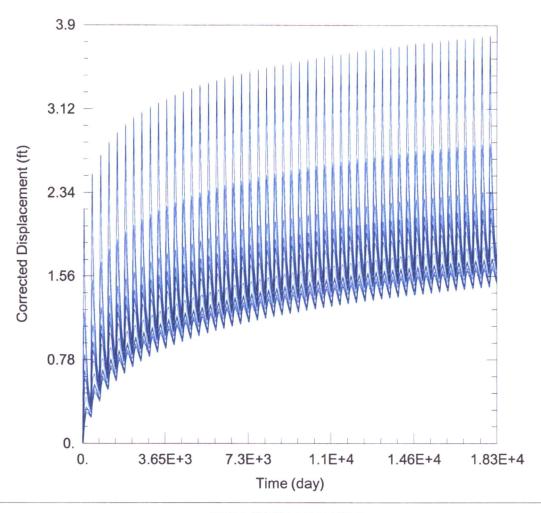
103591

100948

287901

290562

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				

Observ	ation Wells	
Well Name	X (ft)	Y (ft)
	100008	290294
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



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

Mike Beam, Secretary

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,

Austin McColloch

Assistant Water Commissioner

Enclosure

pc:



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 SE½ SE½ NE½ 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,

Austin J. McColloch

Assistant Water Commissioner

AM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED



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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Sincerely,

Austin J. McColloch

Assistant Water Commissioner

AM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED