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:	
435	7-6-2021	C5	04	03	
6. Status: Approved Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:	
				6/17/2021	
8a. LANDOWNER, applicant, WUC New to system □	Person ID 62849 Add Seq#	8c. Landowne		Person ID Add Seq#	
SHAFER FAMILY FARMS PO BOX 7602 HORSESHOE BAY, TX 78					
8b. Landowner(s), New to system □	Person IDAdd Seq#	8d. WUC New to sy	stem ⊠	Person IDAdd Seq#	
9. Documents and Enclosure(s): 🛛 DV	VR Meter(s) Date to Compl	y: 12/31/2021	□ N & P Date to	Comply:	
☐ Anti-Reverse Meter ☐ Meter	Seal	⊠ N & P Form	☑ Water Tube ☐ D	riller Copy	
☐ Conservation Plan Date Require	ed: Da	te Approved:	Date to	Comply:	
10. Use Made of Water From:		To: _			
			Date Prepared: 7/6/20 Date Entered:	D21 By: MAM By:	

File No. 435	11. County:	sv	Bas	sin: CII	MARF	RON R	IVER			St	ream:							Fo	ormatio	n Code: 2	211 Special Use) :
12. Points of Diversion CHK													F	Rate a	and Q	uantity						
MOD														А	uthor	ized		A	dditiona	al		
DEL PDIV ENT Qualifier	S	Т	R	ID	4	N	ʻW		Com	ment (AKA L	ine)		Rate cfs		Quantit af	У	Rate cfs		Quantity af	Overlap PD Files	
DEL 85661																						
ENT 12836 NCNW	7	33	38W ()2	;	3940	3960)						2	.23	640		2.2	23	640	NONE	
13. Storage: Rate	N	F	Quan	tity					ac/ft	Ac	Iditiona	al Rate					NF	Addi	tional C	uantity _		ac/ft
	14. Limitation: af/yr at gpm (cfs) when combined with file number(s)																					
Limitation:	af/yr at				9	gpm (_				cfs) wh	en cor	mbined	with f	īle nu	ımber	(s)						
15. 5YR Allocation: Allocation	Туре	Sta	rt Year		_	5 YR	Amou	nt		Amo	unt Un	it	_ B	Base /	Acres		_ Co	omment _				
16. Place of Use		NE1/4		1/4	NW¹⁄₄			SW1/4			SE1/4			Total	Owne	r Ch	g? Overlap Files					
MOD DEL ENT PUSE S T R	ID	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	NE 1/4	NW 1/4	SW 1/4	SE 1/4					
CHK 613																						
CHK 11191											-											
CHK 13880																						
CHK 36124																						
CHK 40423																						
Base Acres: Year: Comments:	Mi	nimum	n Reaso	onable	Quan	tity:																

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



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

Mike Beam, Secretary

Laura Kelly, Governor

July 6, 2021

SHAFER FAMILY FARMS LLC PO BOX 7602 HORSESHOE BAY, TX 78657-7602

RE:

Water Right, File Nos. 435, 38616, 40062, and 41347

Dear Sir:

Enclosed are orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the applications for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in the approvals for change. Conditions of these approvals is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file numbers and meet current specifications. Please return the required notifications of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the orders modify the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

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

Sincerely,

Michael A. Meyer Water Commissioner

MAM enclosures

pc:

GMD3

CERTIFICATE OF SERVICE

On this 6th day of July 2021, I hereby certify that the foregoing Approval of Applications for Change in Point of Diversion, Water Right, File Nos. 435, 38,616, 40,062, and 41,347 dated 7th day of July 2021 was mailed postage prepaid, first class, US mail to the following:

SHAFER FAMILY FARMS LLC PO BOX 7602 HORSESHOE BAY, TX 78657-7602

Pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Avion Kingston
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

of div	ersion a	ind/or p	ace of	use.															
						F	File No	. <u>435</u>									F	1:0	CEIVED 17 2021
1. /	Applicati	on is he	reby n	nade fo	or appr	roval o	of the C	hief E	nginee	er to ch	nange	the (ch	eck or	ne or b	oth):		0-		
						□ P	lace o	f Use		\boxtimes	Point	of Dive	ersion				Divisi	on of	City Field Office Water Resource
ι	under the	e water	right w	hich is	the s	ubject	of this	applic	ation i	n acco	rdance	with t	the cor	ndition	s desc	ribed b	pelow.		
-	The sour	rce of su	apply is	s:		⊠ G	Ground	water			Surfac	ce wate	er						
Ī	Name ar PO BOX	7602 H	IORSE	SHOE	BAY,														
	Phone N		,								ss:								
Ī	Name ar	7602 H	IORSE	SHOE	BAY,														
	Phone N The pres					se is.			Liliali	auure			-						
	Owner o	,					=												
22.	O WITOT O			ESS:															
((If there is						ippleme	ental sh	eets as	neces	sary.)								
			NE1/4			NW1/4				SW1/4			SE1/4			TOTAL			
Sec.	. Twp.	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
(If this ap Owner o	f Land -	NA ADDRI	AME:	NO CH	HANGE	Ξ					ace of	use be	e chan	ged to	:			
				NE	Ξ1/4			NV	V1/4			SV	V1/4			SE	Ξ1/4		TOTAL
Sec	. Twp.	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
																	<u> </u>		
	For Offi	callan	Only	Code		Fo	0\$ 7	200 0	าก TR	#		Re	eceint	Date	lo-1*	1-21	Chec	k# 2	341
	or Oill	00 030	Only.	Joue			υ Ψ_0	100,0	<u> </u>				201/06						

5.	Presently author	rized point of	<u>diversion:</u>				
	One in the	SW	Quarter of the	SW	Quarter of the	SE	Quarter
					South, Range		
					2292 feet West of S		
					Depth of well		
	(DWR use only:	Computer ID	No. 5 GF	S	feet North	feet We	est)
					No change, point better de		*
	Proposed point	of diversion:	Complete only if change	ge is requeste	ed or if existing point is b	oetter describe	ed by GPS)
	One in the		Quarter of the	NC	Quarter of the	NW	Quarter
	of Section	7	, Township	33	South, Range	38	(E/ / V),
- 1					3960 feet West of S		
	Proposed Rate _		Proposed Quantity _		Proposed well depth (f	feet)	
					nts that will use this point _		
_							
6. F	Presently author	rized point of	diversion:		/		
٠. ا					Quarter of the		Quarter
	of Section		Township		South, Range		(F/W)
	in	Col	ıntv. Kansas	feet North	feet West of S	outheast corne	er of section
	Authorized Rate		Authorized Quantity		Depth of well	(fee	et)
	(DWR use only:	Computer ID	No. GP	S	feet North	feet We	est)
					No change, point better de		
	•		. /		ed or if existing point is b		
	One in the	or divortion.	Quarter of the	90 10 10 quodic	Quarter of the	JOHOT GOODING	Quarter
	of Section		Township		Quarter of the South, Range		Quarter
	in	Col	inty Kansas	feet North	feet West of S	outheast corns	r of section
					Proposed well depth (f		
					ts that will use this point _		
L	This point is.	Additional Well		ther water rigi	ito triat will doc trilo point _		
7.	The changes here	ein are desired	for the following reason	s?			
					North		
				300		100 200	
			-	E	<u> </u>	1	
8	If a well is the test	t hole log attach	ed? Yes No	-			
0.	ii a well, is the test	Thole log attach	cd: [165 [140	200	- 4 + =	1 + 1 +	200
9.	The change(s) (wa	as)(will be) com	oleted by?		-/ =		\=
				100		1 + 1 +	100
						, [,]	1 100
10.	If the point of diver	sion is a well:		ŧ			1
	(a) What are you	going to do with	the old well?	West 0 🗜	H1 1111 111 1111 1111 1111 X)111	ha mlan m	ıı ı++ <u>∓</u> 0 East
				<u>‡</u>			-1
				100		1 1	100
	(b) When will this	be done?		100	[]		7=100
				E	=		
11.	Groundwater Mana	agement Distric	recommendation attache	d? 200 =	-141=	1 + 1 +/	200
	Y	es No		E		_ /_	E
				E	<u>.</u>	<u> </u>	E
12.	Assisted by			300	200 100 0	100 200	300
13a	.If the proposed poi	nt of diversion w	vill be relocated more than	300	South	Scale: 1 hashma	rk=10 ft

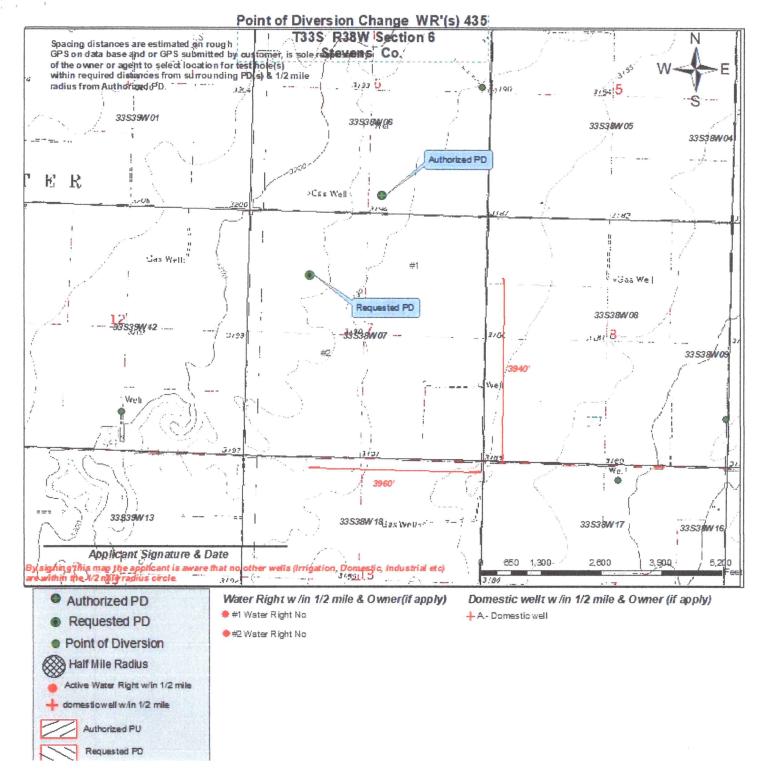
feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines

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 t	the proposed groundwater point of diversion is 300 or fewer feet from	om the existing point of diversion, complete the	e following:
(a)	Does the undersigned represent all owners of the currently auth Yes No (If no, all owners must sign this applie		tion?
(b)	 Will the ownership interest of any owner of the currently author affected if this application is approved as requested? ☐ Yes ☐ No (If yes, all owners must sign this application) 		ion be adversely
(c)	If this application is not approved expeditiously, will there be sub ☐ Yes ☐ No (If no, all owners must sign this appli		afety?
or a ch	pplication proposes a surface water change in point of diversion, a ange in place of use, the application must be signed by all owners (attach notarized statement authorizing representation).		
age ar	by verify, being first duly sworn upon my oath or affirm nd the owner, the spouse of the owner, or a duly author behalf, in regards to the water right(s) to which this applined in this application are true, correct and complete.	ized agent of the owner(s) to make this	application on
Dated :	at Hoiseshor Bay, Texas, this		, 20_21
	Robert J. Shafer (Owner) Shafer (Please Print)	Donna K. Shafe (Please Print)	V
	(Owner)	(Spouse)	
	(Please Print)	(Please Print)	
Martin Control of Control	(Owner)	(Spouse)	
	of Kansas	(Please Print) ry ID #132903456 commission Expires bruary 1, 2025	
	reby certify that the foregoing application was signed in many certify that the foregoing application was signed in many certify.	my presence and sworn to before me to	his 11th day
My Cor	mmission Expires <u>02/01/2025</u>	Notary Public	
ONLY C	COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all e information; maps, if necessary, must be included; signatures of all the appropriate fee must be paid.	of the applicable portions of the application form mu ppropriate owners' must be affixed to the application	ist be completed with and notarized; and
	FEE SCHEDU	<u>JLE</u>	
	pplication to change the place of use or the point of diversion under 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	ent of Agriculture	\$100 \$200

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

pro\ With	visions of the Kansas Water Appropriation Law, K.S.A. 82a-7	8b, as amended, and K.A.R. 5-5-1, et seq. and other applicable 701 et. seq., and rules and regulations promulgated thereunder, in this Summary Order does not change the terms, conditions and
1.	A change application was received on diversion authorized under the above-referenced file number	requesting that the place of use and / or point of per be changed as described in the application.
2.	On and after the effective date of this summary order, the auth the topographic map accompanying the application to char	horized place(s) of use shall be located substantially as shown on nge the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing right previously authorized. The point of diversion authorized by radius of the authorized point(s) of diversion. Applicable	ts and shall be limited to the same source or sources of water as y this summary order shall be located within a foot e Not Applicable
	Positioning System (GPS), as described in the application.	
5.	The point(s) of diversion authorized herein shall not actually be authorized point(s) of diversion. ☐ Applicable 🏋 No	be located more than feet from the previously of Applicable
	or other device suitable for making water level measuremer K.A.R. 5-6-13. ☐ Applicable ☐ Not Applicable	ell with a diversion rate of 100 gallons per minute or more, a tube nts shall be installed, operated and maintained in accordance with
7.	December 31, 20_2/, or before the first use of water, operated and maintained in accordance with K.A.R. 5-1-4 tl	perly install an acceptable water flow meter on or before whichever occurs first. The water flow meter shall be installed, through 5-1-12. As required by K.S.A. 82a-732, as amended, and the reading of the water flow meter and the total quantity of water ng the end of each calendar year.
8.	Installation of the works for diversion of water shall be of authorized extension of time. By March 1, 20 22 the aworks for diversion has been completed, on the form providing Applicable Not Applicable	completed on or before December 31, 20 1, or within any applicant shall notify the Chief Engineer that construction of the ded by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requir	red notice. Applicable Not Applicable existing
10.	with an in-line automatic quick-closing check valve capab	oreign substance will be injected into the water shall be equipped ble of preventing pollution of the source of the water supply. The n accordance with K.A.R. 5-3-5c. Applicable \(\square\) Not Applicable
11.	Additional Conditions are attached. Yes	
12.	water appropriated under the above-referenced file number limitations, as amended and/or supplemented by this Sum Appropriation Law and the Rules and Regulations promule	R. 5-5-14, all of the owners of the authorized place(s) of use of er are responsible for compliance with its terms, conditions and imary Order, and with applicable provisions of the <i>Kansas Water</i> lgated thereunder. Failure to comply with these provisions may ended, and/or the suspension or revocation and dismissal of the ins authorized by law.
1	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
If vo	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND
you Eng Agri filed adm day revie File Leg 665	may request an evidentiary hearing before the Chief pineer 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 respursuant to K.S.A. 77-531. Any request for administrative lew must state a basis for review pursuant to K.S.A. 77-527. Fany request with Kansas Department of Agriculture, gal Division, 1320 Research Park Drive, Manhattan, KS 602. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act.	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 Firmery)
		Acknowledged before me on July b 2021
		by Michael A. Meyer
		Signature: Notary Public
		My commission expires: SUE KEENY SUE KEENY NOTIFICATION N





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

June 30, 2021

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

RE:

Applications for Change in Point of Diversion Water Right, File Nos. 435, 38616, 40062 & 41347

Dear Mike:

We have completed a review of the applications for the above referenced water rights. The proposed change in authority between the points of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells. The move to the north well will increase the authority from that point of diversion, while the south well is proposed to have less authority than it's recent average reported use.

Well evaluations were conducted again to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4.0 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed one of the neighboring wells, which is under the same ownership, exceeded the net effect above the maximum allowable threshold and required further evaluations. Further analysis showed that the proposed new authority would not be considered critical. Therefore, GMD3 sees this move as reasonable and therefore recommend that the application be approved. 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

JUN 3 0 2021

GMD3 Change Review

File No(s).: <u>435</u> ,	38616, 40062	<u>& 41347</u> .		DWR office: <u>GC</u> .				
App filed to change	ge: <u>PD</u> .							
Is Landowner(s)	correct in WR	IS: Shafer I	Family Farms LLC.					
If NO, is documentation included?								
Is Water Use Con	respondent con	rrect in WRIS	S?					
If NO, is d	locumentation	included?						
Regulation(s) Rev	riewed: KAR	5-23-3						
Point of diversion	ID No(s)	being change	ed.					
	ft. North	ft. West						
Authorized PD	439	2292	Sect 6-33-38					
Proposed PD	3940	3960	Sect 7-33-38					
Difference	1779	-1668						
a2 + b2 = c2	3164841		2438.66 feet betw	een wells				
GPS for proposed		0 -						
Is proposed PD st	acking on exis	sting WRs?	Maintain current over	<u>rlaps</u> .				
Is Proposed PU or	verlapping exi	sting WRs?	No Change on these	e applications, did have				
a prior application	on PU that w	as approved.						
Neighboring certi	fied well(s) no	otified:						
Name Steve Ell	lis (15996) .							
Address 10124 S	Big Bow Gra	de.						
Zip Johnson	, KS 67855.							
Email: steven@	pld.com. Pl	hone: <u>620-3</u>	353-4561.					
Domestic well(s)	notified:							
Name								
Address								
Zip								
•								
Base Acres:								
Perfected Acres:	·							
Irr. Return-Flow			*					
Applications pro	pose flip/flop	ping the aut	hority between the t	wo wells.				
435 Authorized:			•					
	_		ie was about 1700' n	orth of current				
location.		,						
Average reported	d use (2017-2	(020) = 539A1	F					
2018 WUR repor		-						
Did not find any	-		redrill.					
38616 Authorized	-							
			imited to 1800gpm	w/38616				
TOUGH AUTHORIZE	a. Jarrai w	roogpin. L	milited to 1000gpin	11/20010				

GMD3 Change Review

41347 Authorized: 555AF @ 1800gpm. Limited to 1453AF @ 1800 w/ 38616 & 40062.

10year average use reported (2011-2020) = 939.9AF 2020 WUR reported 1390gpm.

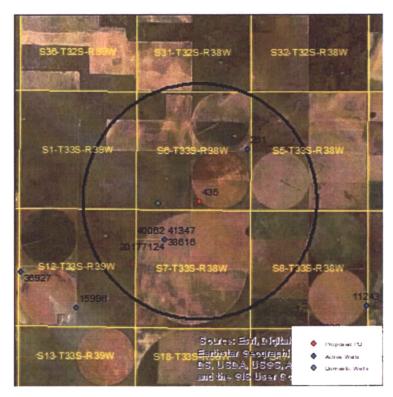
2014 Field inspection calculated 1455gpm (close to reported rate that year)

Is a waiver needed: The flip in authority is less than half mile and minimum spacing to neighboring wells is met. The move to the north well will have increased authority on the well. The only wells in the area are the applicant's. The first guidelines are exceeded on WR261, but further evaluation showed that the well would not be critical. The change in authority on the south well will decrease the authority on the well to an amount that is less than the prior average use reported and should not cause possible impairment. Recommendation: Seeing as how this move will send more authority to a well surrounded by the applicant's other wells, analysis shows it not to be critical. The other move will reduce authority in the area. All other current area rules are met. Staff therefore recommends approval of the application.

Im

Evaluation of proposed move for Water Right Nos. 435, 38616, 40062, and 41347

Proposed: Move water right no. 435 to the well currently authorized under water right nos. 38616, 40062, and 41347, a distance of 2,332 ft to the southwest. Move water right nos. 38616, 40062, and 41347 to the well currently authorized under water right no. 435, a distance of 2,332 ft to the northeast. Total authority on the southwest well will be reduced from 1453AF @ 1800 gpm to 640 AF @ 1000 gpm. Total authority on the northeast well will be increased from 640 AF @ 1000 gpm to 1453 AF @ 1800 gpm.



Wells within 1 mile: 261 and a domestic well in section 6-33-38.

The saturated thickness at the proposed well location is estimated to be 226 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

50 year Theis Analysis: The following values were used to run the analysis. (Note water right number indicates current well location. Proposed values apply to the well location, not the water right):

$$S = 0.05629$$
, $T = 11,204$ ft²/day,

38616 & 40062 & 41347:
$$tp_{current} = 153 days$$
, $Q_{current} = 1390 gpm$, $tp_{proposed} = 145 days$, $Q_{proposed} = 1000 gpm$

Theis drawdowns were calculated as follows:

261: Drawdown from current location = 9.34 ft

Drawdown from proposed location = 13.86 ft

Net drawdown = 4.5 ft

Domestic 6-33-38: Drawdown from current location = 14.81 ft

Drawdown from proposed location = 18.00 ft

Net drawdown = 3.2 ft

Net drawdown exceeds the drawdown allowance of 4.0 ft for the well authorized under water right no. 261. Critical well analysis is necessary on that well.

Critical Well Evaluation:

261:

Water Column = 226 ft

DP = 4.5 ft (Net drawdown from the proposal indicated above)

DE = 24.2 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 10.5 ft (S = 0.05629, T = 83,808 gpd/ft, Q = 300 gpm, tp = 127 days, efficiency = 70%)

DT = 39.2 ft

Economic Drawdown Constraint (EDC) = 0.4 * 226 ft = 90.4 ft

Physical Drawdown Constraint (PDC) = 226 ft - 60 ft = 166 ft

Total drawdown of 39.2 ft is less than the EDC and PDC, so this well is not critical.

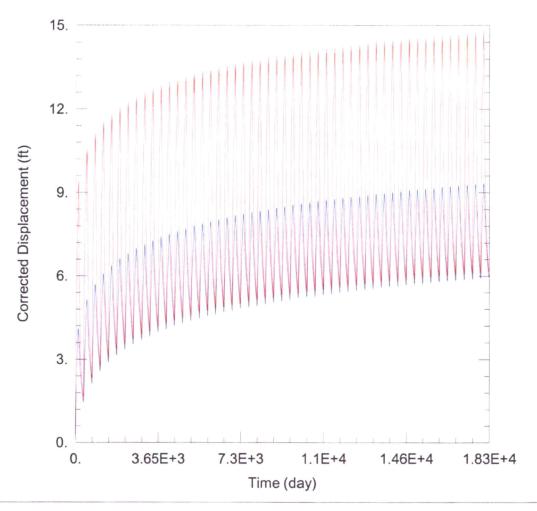
Conclusion:

The proposed moves will create an effect on the well authorized under water right no. 261 that is likely to be noticeable. Saturated thickness, modeled declines, and aquifer parameters show that this water right will likely be able to access a similar rate and quantity to its current use over the next 25 years, accounting for the move. This well is also owned and operated by the Applicant. Therefore, GMD3 staff recommends approval of the application.

RECEIVED

JUN 3 0 2021

Garden City Field Office Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\...\435_38616_40062_41347 Current.aqt

Date: 06/29/21

Time: 14:08:41

PROJECT INFORMATION

Company: GMD 3

Project: 435, 38616, 40062, 41347

Location: Stevens County

WELL DATA

F	Pumping Wells		Observation Wells					
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)			
	-201602	119105	0	-201602	119105			
	-203158	117368		-203158	117368			
The state of the s			· 261	-199458	121452			
			 Domestic 6-33-38 	-203471	119030			

SOLUTION

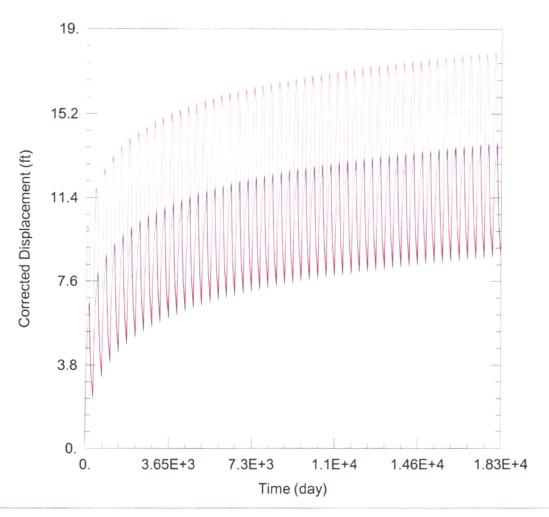
Aquifer Model: Unconfined

 $T = 1.12E + 4 \text{ ft}^2/\text{day}$

Kz/Kr = 1.

Solution Method: Theis

S = 0.05629b = 226. ft



WELL TEST ANALYSIS

Data Set: C:\...\435 38616 40062 41347 Proposed.aqt

Date: 06/29/21 Time: 14:01:42

PROJECT INFORMATION

Company: GMD 3

Project: 435, 38616, 40062, 41347

Location: Stevens County

WELL DATA

Pumping Wells							
Well Name	X (ft)	Y (ft)					
	-201602	119105					
	-203158	117368					

Well Name	X (ft)	Y (ft)
	-201602	119105
0	-203158	117368
· 261	-199458	121452
 Domestic 6-33-38 	-203471	119030

Observation Wells

SOLUTION

Solution Method: Theis

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T = 1.12E+4 ft²/day

Aquifer Model: Unconfined

S = 0.05629

Garden City Field Office Division of Water Resource

Kz/Kr = 1.

b = $\frac{1}{226}$. ft

Report Date: Monday, June 21 2021 Water Rights and Points of Diversion Within 1 mile of point defined as: 439 Feet N and 2292 Feet W of the Southeast Corner of Section 6 Twp 33S Rng 38W Located at: 101.491552 West Longitude and 37.200144 North Latitude Both SURFACE WATER and GROUNDWATER Proposed 38616, 40062 + 411347 ________________ File Number Use ST SR Dist (ft) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp Rng ID Batt Auth_Quan Add_Quan Unit 261 00 IRR NK G 3155 -- SE SE NE 2783 181 6 33 38W 6 7 10 580.00 AF 435 00 IRR NK G* -__ 14 -- SW SW SE 439 2292 6 33 38W 5 640.00 640.00 AF = 2415 -- -- NC NW 3940 3960 38616 00 IRR NK G* 7 33 38W 2 247.60 247.60 AF 40062 00 IRR NK G* 2415 -- -- NC NW 3940 3960 7 33 38W 2 524.00 524.00 AF 41347 00 IRR NK G* 2415 -- -- NC NW 3940 3960 555.00 495.40 7 33 38W 2 AF T__20177124 MF IRR GY G 5817.90 2415 -- -- NC NW 3940 3960 7 33 38W 2 .00 AF Total Net Quantities Authorized: Direct Storage Spacing Appears MET Total Requested Amount (AF) = .00 .00 .00 .00 Total Permitted Amount (AF) = .00 .00 Total Inspected Amount (AF) = .00 .00 Total Pro Cert Amount (AF) = .00 2487.00 Total Certified Amount (AF) = Total Vested Amount (AF) = .00 .00 TOTAL AMOUNT (AF) = 2487.00.00 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 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: 439 Feet North and 2292 Feet West of the Southeast Corner of Section 6 Twp 33S Rng 38W Located at: 101.491552 West Longitude and 37.200144 North Latitude Both SURFACE WATER and GROUNDWATER WATER USE CORRESPONDENTS: 261 - fore Concer of below MPC File Number Use ST SR > WARREN M & AMANDA R WILLIS > 613 ROAD N > HUGOTON KS 67951 Application >-----SHAFER FAMILY FARMS LLC > PO BOX 7602

> PO BOX 7602
> HORSESHOE BAY TX 78657
> WARREN M & AMANDA R WILLIS
> 613 ROAD N
> HUGOTON KS 67951
> WARREN M & AMANDA R WILLIS
> 613 ROAD N
> HUGOTON KS 67951
> WARREN M & AMANDA R WILLIS

Application

- > 613 ROAD N
- > HUGOTON KS 67951
- > WARREN M & AMANDA R WILLIS

>-----

- > 613 ROAD N
- > HUGOTON KS 67951

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Garden City Field Office Division of Water Resources

Water Rights and Points of Diversion Within 1 mile of point defined as: 3940 Feet N and 3960 Feet W of the Southeast Corner of Section 7 Twp 33S Rng 38W Located at: 101.497169 West Longitude and 37.195294 Mprth Latitude Both SURFACE WATER and GROUNDWATER 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 435 00 IRR NK G* -- 2397 -- SW SW SE 439 2292 6 33 38W 5 640.00 640.00 AF 15996 00 IRR NK G 5003 -- NE SE SW 805 2660 12 33 39W 4 640.00 640.00 AF A 38616 00 IRR NK G* 9 -- -- NC NW 3940 3960 7 33 38W 2 247.60 247.60 AF 2300 3960 40062 00 IRR NK G* 9 -- -- NC NW 3940 7 33 38W 524.00 AF 41347 00 IRR NK G* 1 9 -- -- NC NW 3940 3960 7 33 38W 2 555.00 495.40 AF T__20177124 MF IRR GY G 9 -- -- NC NW 3940 3960 7 33 38W 2 5817.90 .00 AF ______ Total Net Quantities Authorized: Direct Storage Gracing Appeals .00 Total Requested Amount (AF) = .00 .00 Total Permitted Amount (AF) = .00 .00 .00 Total Inspected Amount (AF) = .00 .00 Total Pro_Cert Amount (AF) = Total Certified Amount (AF) = 2547.00 .00 Total Vested Amount (AF) = .00 .00 TOTAL AMOUNT 2547.00 .00 (AF) = 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 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: 3940 Feet North and 3960 Feet West of the Southeast Corner of Section 7 Twp 33S Rng 38W Located at: 101.497169 West Longitude and 37.195294 North Latitude Both SURFACE WATER and GROUNDWATER WATER USE CORRESPONDENTS: File Number Use ST SR Application > SHAFER FAMILY FARMS LLC > PO BOX 7602 > HORSESHOE BAY TX 78657 >-----> STEVE L ELLIS > 10124 S BIG BOW GRADE > JOHNSON KS 67855 > WARREN M & AMANDA R WILLIS Application 28616 > 613 ROAD N > HUGOTON KS 67951 WARREN M & AMANDA R WILLIS

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Garden City Field Office Division of Water Resources 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 18, 2021

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

Re: Water Right, File Nos. 435, 38616, 40062, 41347

Dear Mr. Norquest:

This is to advise you that Shafer Family Farms: LLC, has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point if diversion.

We are delaying action on the change application to allow you time to review and provide a recommendation. Please submit a recommendation within 15 days from the date of this letter.

Thank you and as always feel free to contact this office at any time.

Sincerely,

Michael A. Meyer Water Commissioner

MAM Enclosures