# Kansas Department of Agriculture Division of Water Resources

# APPROVAL OF CHANGE APPLICATION WORKSHEET

1. File No.: <b>22744</b>	2. Status Change Date:		GMD: 0:	4. Field Office: 04 - Garden City GMD: 03 - Southwest Structures File No.:					
3. Package File No(s):			Filing/Pri	Filing/Priority Date: 9/12/2024 Application Complete Date: 10/21/2024					
5a. Applicant Sowner SWU	Add Seq#	5b. Owner WUC Person ID Address Change Add Seq#							
5c.  Owner  WUC  Address Change	Person ID Add Seq#	5d. Owner WUC Person ID Address Change Add Seq#							
	☐ UMW asonable Q: ction/Expiration Date:	7. Use of Water  ☐ Groundwater ☐ Surface Water  UMW: IRR-Irrigation  UMW:  UMW:							
8. Action Trail									
9. Special Conditions									
10. 5YR Allocation Type: Star Comment:	rt Year: 5YR Quan	tity: Base	Acres:						
11. Sand & Gravel Proj ID:	☐ Active ☐ Dredge	☐ IND Evap [	☐ Jr Evap ☐	Other Diversion	☐ Rpt on Sr				
12. Waiver Rule ID: New Date Requested:  Applies: Rule No.:  Rule Type:  Rule SubType:									
Comments				Processed 12/10/2024 MAM	Entered				
				Reviewed					

File	No. <b>2274</b>	4	13. Co	ounty: FI	Basi	n: <b>ARK</b>	ANSA	S RIVE	ER St	ream:								7				
Stru	ictures File	No:	Aquife	er Code:	211 3	31								Spec	ial Use	Area:						
14. F	oints of Dive	rsion, Rates & Quar	ntities										Oty	AF		Rate g	pm	Sto	orage Qty	Storag	ge Rate	
	PDIV	Qualifier	S	T	R	ID	'N	'W	Cor	nment (	AKA Lir	ne)	Auth		dd	Auth	Add	Au				Overlaps
DEL	7317																					
ENT		SWSWSE	13	26	32W		126	1985					260	2	60	835	835					
15.	5. Limitations Type: Quantity: Rate: combined with file no(s): Type: Quantity: Rate: combined with file no(s):																					
16.	Metering		equired	d 🗆 A	Anti-Re	verse	Require	ed [	] Sea	l Requ	ired	Comp	liance [	Date:	12/31/2	2025						
17.	Place of Use																				0. 0	
	PUSE S	T R ID	NE		E¼ sw	SE	NE	NV NW	V¼ sw	SE	NE	SV NW	V½ sw	SE	NE	SE NW	5W	SE	Total	Owner(s)	Cng?	Overlaps
снк	13096																			5a		
			+																			
			+												1	L						
			-																			
	D : / (D:										_											
18. Point of Diversion and Place of Use Overlaps  *   **																						
+											++											
#											##											
^											AA											

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



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

Mike Beam, Secretary

Laura Kelly, Governor

December 10, 2024

SCI FARMS PO BOX 937 GARDEN CITY, KS 67846-0937

RE:

Filed Office Application for Change

Water Right, File No. 22744

Dear Sir:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approvals for change. A condition of this approval is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced files number and meet current specifications.

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.

Michael A. Meyer

Water Commissioner

MAM Enclosures pc: GMD3

# **CERTIFICATE OF SERVICE**

On this 10<sup>th</sup> day of December 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,744 dated 10<sup>th</sup> day of December 2024 was mailed postage prepaid, first class, US mail to the following:

SCI FARMS PO BOX 937 GARDEN CITY, KS 67846-0937

pc:

GMD3

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

					F	ile No	. 2274	4								R	ECE	IVED
1	Application is he	aroby n	anda fr	or appl	roval o	f the C	hiof E	nginos	or to ch	ange	the (ch	ank or	a or h	oth):		SE	P 1	2 2024
	Application is ne	eleny II	laue ic	л аррі		lace o		rigiriee		Point			ie oi b	oury.				216w
			مة ماماما،	. M									alitia n		wib a d	Gard Divisor	len City n of Wa	Field Office ter Resource
	under the water			the si				ation	administration .				idition	s desc	nbed t	below.		
	The source of s	upply is	3:		X G	round	water		Ц	Surfac	ce wate	er						
	Name and addr	ess of	Annlica	ant: G	ARRE	TT & 1	/FGAI	N SPE	FR									
	2295 S OLD HV							VOI L		_								
,	Phone Number:	-			,,,,,,,			Email	addre	ss:								
	Name and addr	ess of	Water	Use C	orresp	onden	t: Sar	ne										
	Phone Number:	(	)					Email	addre	ss:								
	The presently a					. ~			11									
	Owner of Land					-	For	M5	1									
		ADDRE	ESS:	231	45	5.	DIA	1	18gh,	wy	23		54	K	> 6	784	6	
	(If there is more th	an one	landow	ner, at	tach su	ppleme	ental sh	eets as	neces	sary.)								<b></b>
\			NE	1/4			NV	V1/4	·		sv	V1/4			SE	E¼		TOTAL
Sec	Two Range	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	ACRES
					/													
			*****************************	MARKATAN CONTRACTOR														***************************************
	f this applicatio	n is for	a char	nge in	place	of use	, it is p	repose	ed that	the pl	ace of	use be	chan	ged to	:			
,	Owner of Land ·		-							_								
		ADDRI														***************************************		
	(If there is more th	nan one	landow	ner, at	tach su	ppleme	ental sh	eets as	neces	sary.)		0.171	<u> </u>	_				T
		11	NE	1/4			Ι	<b>V¹</b> ⁄₄ T	Ι	<b></b>	T	<b>√</b> ⁄₄				E¼	т —	TOTAL ACRES
		<b> </b>				NIPP#/	NIMP/	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	7101120
Sec	. Twp. Range	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	1111/4											
	. Twp. Range	NE1/4	NW%	SW1/4	SE¼	NE%	10074											
	. Twp. Range	NE¼	NW¼	SW1/4	SE¼	NE%	NW/A											

5.	Presently authori	zed point of d	iversion:				
	One in the		Quarter of the	NC	Quarter of the	SW SE	_ Quarter
	of Section	13	, Township	26	South, Range	32	W.
					1320 feet West of		
					Depth of well		
					feet North		
					No change, point better d		follows:
					d or if existing point is		
					Quarter of the		
					South, Range		
					1985 feet West of S		
			5 (A)		Proposed well depth		1
					ts that will use this point		
L	This point is.	daltional vven		ther water right	to triat will use triis point		
_ [	Dropontly outhori	and naint of d	lvaralanı				
6.	Presently authori				0		0
					Quarter of the		
	of Section		, Township		South, Range		(E/VV),
					feet West of		section.
	Authorized Rate _		_ Authorized Quantity _		Depth of well	(feet)	
					feet North		
					No change, point better de		1
	Proposed point o	f diversion: (C	complete only if chang	e is requeste	d or if existing point is	better described b	y GPS)
					Quarter of the		
	of Section		, Township		South, Range		(E/W),
	in	Cour	nty, Kansas,	_ feet North	feet West of S	Southeast corner of	section.
	Proposed Rate		Proposed Quantity		Proposed well depth	(feet)	
	This point is: A	dditional Well	☐ Geo Center List of	ther water righ	ts that will use this point		
_							
7.			for the following reasons	s?			
	(please be specific)			300	200 100 North	100 200	300
				EL.	որուդրուրու <del>յությու<u>ն</u>ու</del>	<del>100</del> 200	9
		CONTRACTOR OF THE CONTRACTOR O		E	, =		=
8.	If a well, is the test I	nole log attache	d? ⊠ Yes □ No	200	141+1=	1 + 1 + 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3000
				200			-
9.	The change(s) (was	)(will be) compl	eted by?	100	/ <del>-</del>	\	3
				100	1+1+1=	1 + 1 + 1	100
					· · · · Ē		<b>¥</b>
10.	If the point of divers	ion is a well:		<b>₽</b>			3
	(a) What are you g	oing to do with	the old well?	West 0 🖽	ոլոս[սոլոս[սոլու <b>ձ</b> ո	վավավավարի	필 O East
				E	=		4
				A		. 4 . 4	<b>A</b> 100
	(b) When will this b	oe done?		100	(1 + 1 + 1 =	· · · · · · 7	100
				F	\ =	/·	=
11.	Groundwater Manag	gement District	ecommendation attached	d? 200 📙	1 / 1 + 1 =	1 + 1 +/1-	⊒ 200
	☐ Ye			E		_ /_	=
				E	<del>-</del> -		=
12.	Assisted by mdf/GC	FO		300 FT	200 100 0	100 200	_☐ 300
120	If the proposed pain	t of diversion wil	l be relocated more than		South	Scale: 1 hashmark=10	
1 Jd					proposed point of diversion	on will be relocated w	ithin 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 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

3b.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 of fewer feet from	if the existing point of diversion, complete the following.
<ul> <li>(a) Does the undersigned represent all owners of the currently author</li> <li>☐ Yes</li> <li>☐ No</li> <li>(If no, all owners must sign this applicant of the currently author</li> </ul>	
<ul> <li>(b) Will the ownership interest of any owner of the currently authoriz affected if this application is approved as requested?</li> <li>☐ Yes</li> <li>☐ No</li> <li>(If yes, all owners must sign this applic</li> </ul>	
(c) If this application is not approved expeditiously, will there be subst ☐ Yes ☐ No (If no, all owners must sign this applica	
If the application proposes a surface water change in point of diversion, a gor a change in place of use, the application must be signed by all owners o agent (attach notarized statement authorizing representation).	
I hereby verify, being first duly sworn upon my oath or affirmating age and the owner, the spouse of the owner, or a duly authorize their behalf, in regards to the water right(s) to which this applicant on this application are true, correct and complete.	ed agent of the owner(s) to make this application on ication pertains. I further verify that the statements
Dated at, Kansas, this	12th day of September, 20 24.
MA An	
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Flease Filmt)	(Flease Fillit)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas	
I hereby certify that the foregoing application was signed in my of September, 20 34.	y presence and sworn to before me this day
My Commission Expires  My Commission Expires  December 15, 2026	Notary Public
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all of accurate information; maps, if necessary, must be included; signatures of all the app the appropriate fee must be paid.	f the applicable portions of the application form must be completed with propriate owners' must be affixed to the application and notarized; and
FEE SCHEDUL	
Each application to change the place of use or the point of diversion under forth in the schedule below: Make checks payable to: Kansas Departmer  (1) Application to change a point of diversion 300 feet or less  (2) Application to change a point of diversion more than 300 feet	nt of Agriculture \$100 \$200

# SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, et seq. and other applicable provisions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 22744 A change application was received on 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 Not Applicable The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as 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 The point(s) of diversion authorized herein shall not actually be located more than feet from the previously Applicable Not Applicable authorized point(s) of diversion. 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 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. Not Applicable ☐ Not Applicable The completed well log shall be submitted with the required notice. ☐ Not Applicable 10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. ☒ Applicable ☐ Not Applicable 11. Additional Conditions are attached. ☐ Yes M No 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law. FOR OFFICE USE ONLY Administrative Appeal and Effective Date of Order APPLICATION APPROVED AND If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, SUMMARY ORDER ISSUED you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within 15 days of service of this Order and a request for By: Duly Authorized Designee of the Chief Engineer administrative review by the Secretary must be filed within 30 days pursuant to K.S.A. 77-531. Any request for administrative A. MEXER MICHAEL (Print Name): review must state a basis for review pursuant to K.S.A. 77-527. Division of Water Resources - Kansas Department of Agriculture File any request with Kansas Department of Agriculture, Date of Issuance: Legal Division, 1320 Research Park Drive, Manhattan, KS 66502. Failure to timely request a hearing or review may State of Kansas preclude review under the Kansas Judicial Review Act. SS For Use by Register of Deeds County of Acknowledged before me on Signature: STATE OF JULIE JONES My commission expire NOTARY Appointment Expires PUBLIC (Notary Spalls, 2026

File No. 22744

# NASH WATER WELL SERVICE, LLC PO Box 1388 710 W AVE A CIMARRON KS 67835 620-277-5657

OWNER: GARRET SPEAR

LATITUDE:

37.780627

LONGITUDE: 100.768124

DEPTH OF TEST HOLE DRILLED: 580'

JOB NAME: TEST HOLE #3 (EAST 1/4 SW CORNER)

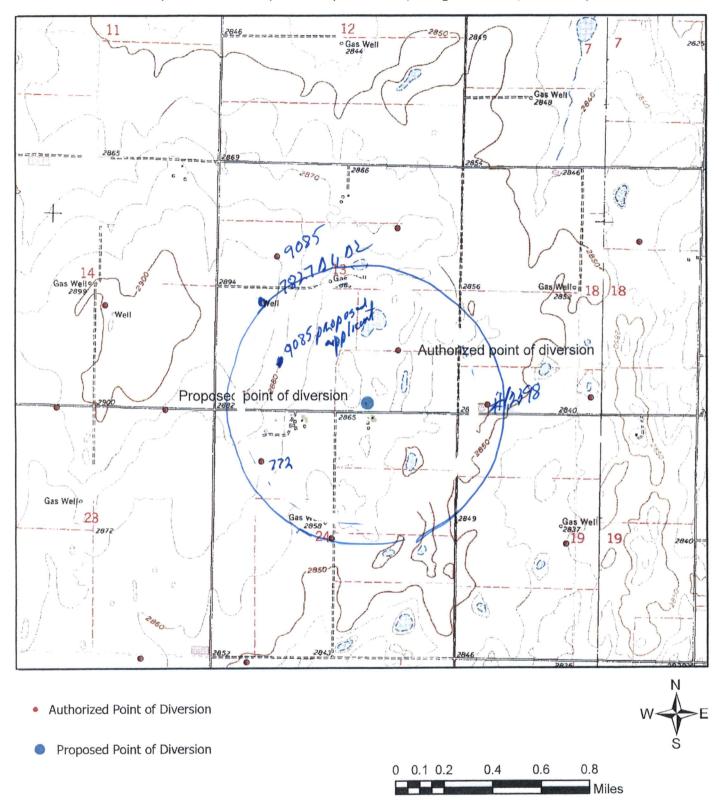
DATE: 08/07/2024

## LITHOLOGIC LOG INFORMATION:

LITHOL	LOGIC L	OG INFORMATION:		
			RECE	VED
FROM	To	LITHOLOGIC LOG	SEP !	2024
			SEP :	7024
O'	4'	TOP SOIL	Gin City	Field Office Resources
4'	20'	FINE COARSE SAND WITH TAN CLAY	Cattern of C	Resources
20'	40'	FINE MEDIUM SAND		
40'	60'	FINE SAND WITH BROWN CLAY		
60'	80'	FINE COARSE SAND		
80'	120'	FINE COARSE SAND WITH SMALL TO LARGE GRAVEL & SMALL COBBLE STR	REAKS	
120'	143'	FINE COARSE SAND WITH TAN BROWN REDDISH CLAY STREAKS & LAYERS		
143'	148'	TAN WHITE CLAY CALICHE		
148'	152'	FINE MEDIUM SAND WITH TAN CLAY		
152'	220'	FINE COARSE SAND WITH SMALL MEDIUM GRAVEL WITH THIN STREAKS OF CLAY	TAN	
220'	250'	FINE COARSE SAND WITH SMALL TO LARGE GRAVEL & SMALL COBBLE STR	REAKS	
250'	270'	FINE MEDIUM SAND WITH BROWN TAN CLAY STREAKS & LAYERS		MEDIUM 50%
270'	2801	FINE COARSE SAND WITH SMALL MEDIUM GRAVEL	ME	EDIUM LOOSE 90%
280'	310'	FINE COARSE SAND WITH SMALL GRAVEL		LOOSE 95%
310'	320'	FINE MEDIUM SAND WITH BROWN TAN CLAY STREAKS LAYERS		MEDIUM 60%
320'	330'	FINE COARSE SAND WITH SMALL GRAVEL STREAKS	M	EDIUM LOOSE95%
330'	340'	FINE MEDIUM SAND BROWN TAN CLAY STREAKS & LAYERS		MEDIUM 75%
340'	360'	FINE MEDIUM SAND TAN BROWN YELLOW CLAY		MEDIUM 75%
360'	420'	FINE MEDIUM SAND WITH TAN CLAY STREAKS		MEDIUM 80%
420'	440'	FINE COARSE SAND WITH TAN CLAY STREAKS	ME	EDIUM LOOSE 85%
440'	460'	FINE COARSE SAND WITH TAN CLAY STREAKS		MEDIUM 70%
460'	476'	FINE SAND WITH TAN YELLOWISH CLAY STREAKS		MEDIUM 75%
476'	480'	BROWN BLUE GRAY TAN CLAY WITH FINE MEDIUM SAND	N	IEDIUM TIGHT 40%
480'	500'	TAN TIGHT FINE SAND WITH GRAY BLUE TAN ROWN CLAY		TIGHT 55%
500'	520'	TAN SANDSTONE WITH GRAY CLAY STREAKS		MEDIUM 80%
520'	540'	TAN SANDSTONE WITH THIN STREAKS GRAY CLAY		MEDIUM 90%
540'	560'	GRAY RED STICKY CLAY WITH GRAY SANDSTONE		TIGHT 40%
560'	580'	GRAY RED STICKY CLAY WITH GRAY SANDSTONE		TIGHT 10%

# **CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 22744**

SE 1/4 of Section 13, Township 26 South, Range 32 West, FI County



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

mdf/GCFO 09/05/2024



# Southwest Kansas Groundwater Management District No. 3 2009 E. Spruce Street Garden City, Kansas 67846

(620) 275-7147 phone www.gmd3.org

October 21, 2024

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

RE:

Application for Change in Point of Diversion

Water Right, File No. 22744

Dear Mike:

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

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4.0 ft with saturated thickness is greater than 200ft), 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 the neighboring domestic wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. No critical wells were determined Therefore, GMD3 sees these moves as meeting current rules and would recommend approval with better information given to ensure that neighboring wells are not adversely affected. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,

Jason L. Norquest

Assistant Manager

RECEIVED

OCT 21 2024

Garden City Field Office Divison of Water Resources

# **GMD3** Change Review

DWR office: GC.

File No(s).: 22744.

App filed to change: PD. Is Landowner(s) correct in WRIS: Garrett & Megan Speer. 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) <u>04</u> being changed. ft. North ft. West Authorized PD 1320 1320 Proposed PD 126 1985 Sect 13-26-32 Difference 1194 s -665 w a2 + b2 = c21425636 442225 1366.697 foot move SW GPS for proposed PD: Lat: 37.780627 Long: -100.768124. Is proposed PD stacking on existing WRs? No. Is Proposed PU overlapping existing WRs? No Change. Neighboring certified well(s) notified: \_\_. Name T&O LLC, Thomas Willis (772, 12398, 16192). Address 901 Apollo St. Liberal, KS 67901. Zip Email: tom.willis@conestogaenergy.com Name Matthew Lobmeyer (10362). Address 14470 S County Road 14. Garden City, KS 67846. Zip Email: lobiwan512@gmail.com Name Mark Parr (11353). Address 6770 E TV Rd. Zip Garden City, KS 67846. Email: markparr@wbsnet.org Name D & D Farms (21193). Address 13060 CO Road 20. Zip Garden City, KS 67846. Email: kleysteuberandgillen@gmail.com Domestic well(s) notified: . Name Address

# **GMD3** Change Review

Zip			
Base Acres:			
Perfected Acres:			
Irr. Return-Flow%			
Finney County			
Authorized: 260AF @ 835gpm			
Well not running during 2023 GMD3 inspection	n		
Avg use reported (2014-2020): 109.4AF/year.	No use rep	orted sinc	e 2020
Proposed depth 580'			

Is a waiver needed: Move less than half mile. Minimum spacing to neighboring wells appears met. Analysis shows possible effects within guidelines, no critical wells.

Recommendation: After review of available information, it appears current area rules are met. Staff recommends approval of the application.

Water Rights and Points of Diversion Within 1 mile of point defined as:
126 Feet N and 1985 Feet W of the Southeast Corner of Section 13 Twp 26S Rng 32W
Located at: 100.768124 West Longitude and 37.780628 North Latitude
Both SURFACE WATER and GROUNDWATER

						====					-==:											
File	Number		Use	ST	SR	Dist	(ft)	04	Q3	Q2	01	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth	1 Quan	Add_Quan	
Unit								_		_	_				•					_	_	
	772	00	TDD	NK	G		2615		SE	NW	NW	4173	4284	24	26	32W	٦		441	320.00	320.00	
AF	112	00	11111	1417	G		2015		DL	1411	1111	41/5	4204	2. 7	20	32.0	2	1	700.	320.00	520.00	
	7027	D.1	TDD	ATT			2121	/	ME	N.T.C.	CM	2210	1220	12	26	226	(1)			90 00	90 00	
A	1821	DI	IKK	NK	G		2121	7-	NE	I/W	SW	2210	4320	13	20	SZW	1	1 19	100	00.00	80.00	
AF								1										/	7	210	240.00	
A	7827	D2	IRR	NK	G		3131		NE	NW	SW	2210	4320	13	26	32W	U			240.00	240.00	
AF																						
A	9085	00	IRR	NK	G*		3768		NC	S2	ИM			13	26	32W	2		- 2	280.00	280.00	
AF								/														
A	10362	00	IRR	NK	G		4518		NW	NE	NE	5050	1150	23	26	32W	1	2	360	608.00	608.00	
AF																		0	,			
	11353	0.0	TRR	NK	G		5267		NE	NF	SW	2510	2790	19	26	31W	1			250.00	250.00	
AF	11555	00	11/11/	1417	0		5207		111	141	UII	2010	2150	10	20	3111	•			200.00	200.00	
Ar	12398	0.0					0500	1				175	4610	1.0	2.0	2111	_	0	3 40 .	- 20 00	500 00	
	12398	00	IRR	NK	G		2580					1/5	4619	18	26	3 T W	5	7		520.00	520.00	
AF																						
A	16193	00	IRR	NK	G*		2942		NE	NE	SW	2550	2700	24	26	32W	2		- 1	260.00	260.00	
AF								*														
A	20326	00	IRR	NK	G		3886			NC	NE	3960	1300	13	26	32W	3			260.00	260.00	
AF																						
	21193	0.0	TRR	NK	G		5041		SW	SW	SE	315	2175	1.8	26	31W	4			260.00	260.00	
AF	211/5	00	11/1/	1411			5011		O,	011	01	313	21/5	10	20	51,,	•			200.00	200.00	
	00744									110		1200	1200	1.2	2.0	2012				200 00	260 00	
A	22/44	00	IRR	NK	G*		1368			NC	SE	1320	1320	13	26	32W	4			260.00	260.00	
AF																						
=====	=====	===	====	===:	====	====:	=====	===:	===	===:	===	=====	=====	====	====	====	====	=====	====	=====		====
Total	Net Q	uan	titi	es i	Auth	orize	ed:	Di	rec	t		Sto	orage									
Total	Reque	ste	d Am	oun	t. (7	(F) =			. 0	0			.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)	an .	.00	.00
Total	Certified	Amount	(AF)	=	3338.00	.00
Total	Vested	Amount	(AF)	=	.00	.00
TOTAL	AMOUNT		(AF)	=	3338.00	.00

An  $\star$  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:

126 Feet North and 1985 Feet West of the Southeast Corner of Section 13 Twp 26S Rng 32W Located at: 100.768124 West Longitude and 37.780628 North Latitude Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

------

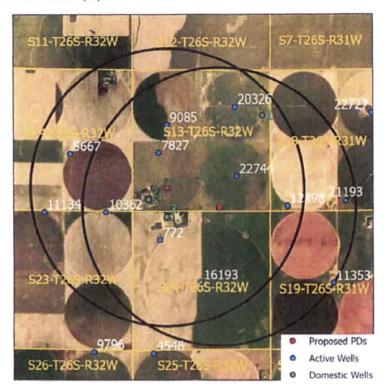
	Fi.	le Number Use ST SR	
	y	T & O LLC	
0	1/>	THOMAS WILLIS	000
/	>	901 APOLLO ST	///
	>	LIBERAL KS 67901	
	>		
	>	JENNIFER J PRIDDY	
	>		1782711
	>	5145 E TV RD	
	>	GARDEN CITY KS 67846	
	>		~ ^
	>	GARRETT & MEGAN SPEER	V 7287 DZ

	> 2295 S OLD HWY 83 > GARDEN CITY KS 67846			
	> DOYLE D & ANITA S MCGRAW > 1207 KINGSBURY RD > GARDEN CITY KS 67846	9085		
	> MATTHEW LOBMEYER			
	> 14470 S COUNTY ROAD 14 > GARDEN CITY KS 67846 >	10362		
,	> MARK PARR > 6770 E TV RD > GARDEN CITY KS 67846	11353		
/	> T & O LLC > THOMAS WILLIS > 901 APOLLO ST > LIBERAL KS 67901	12 398		
/	> T & O LLC > THOMAS WILLIS > 901 APOLLO ST > LIBERAL KS 67901	16192		
	> DOYLE D & ANITA S MCGRAW > 1207 KINGSBURY RD > GARDEN CITY KS 67846	20 326		
	> D & D FARMS > > 13060 CO ROAD 20 > GARDEN CITY KS 67846	21193		
	> JENNIFER J PRIDDY > 5145 E TV RD > GARDEN CITY KS 67846	122744	Application	

OCT Z 1 2024

## Evaluation of proposed move for Water Right Nos. 9085 and 22744

Proposed: Move Water Right No. 9085 to a new well location, 2,429 ft to the south. Move Water Right No. 22744 to a new well location, 1,368 ft to the southwest.



Wells within 1 mile: 5667, 7827, 20326, 12398, 21193, 11134, 10362, 772, 16193, 11353, and three domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 229 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:

S = 0.086, T = 17,757 ft<sup>2</sup>/day

9085: tp<sub>current</sub> = 131 days, Q<sub>current</sub> = 250 gpm, tp<sub>proposed</sub> = 67 days, Q<sub>proposed</sub> = 920 gpm

22744: tp<sub>current</sub> = 47 days, Q<sub>current</sub> = 372 gpm, tp<sub>proposed</sub> = 70 days, Q<sub>proposed</sub> = 835 gpm

Theis drawdowns were calculated as follows:

5667: Drawdown from current location = 0.90 ft

Drawdown from proposed location = 2.32 ft

Net drawdown = 1.4 ft

7827:	Drawdown from current location = 1.50 ft
	Drawdown from proposed location = 4.41 ft
	Net drawdown = 2.9 ft
20326:	Drawdown from current location = 1.17 ft
	Drawdown from proposed location = 2.75 ft
	Net drawdown = 1.6 ft
12398:	Drawdown from current location = 0.95 ft
	Drawdown from proposed location ≈ 2.98 ft
	Net drawdown = 2.0 ft
21193:	Drawdown from current location = 0.75 ft
	Drawdown from proposed location = 2.00 ft
	Net drawdown = 1.2 ft
11134:	Drawdown from current location = 0.75 ft
	Drawdown from proposed location = 2.03 ft
	Net drawdown = 1.3 ft
10362:	Drawdown from current location = 0.90 ft
	Drawdown from proposed location = 3.13 ft
	Net drawdown = 2.2 ft
772:	Drawdown from current location = 0.92 ft
	Drawdown from proposed location = 4.11 ft
	Net drawdown = 3.2 ft
16193:	Drawdown from current location = 0.80 ft
	Drawdown from proposed location = 3.09 ft
	Net drawdown = 2.3 ft
11353:	Drawdown from current location = 0.65 ft
	Drawdown from proposed location = 1.91 ft
	Net drawdown = 1.3 ft



Domestic 1:

Drawdown from current location = 1.06 ft

Drawdown from proposed location = 2.60 ft

Net drawdown = 1.5 ft

Domestic 2:

Drawdown from current location = 1.08 ft

Drawdown from proposed location = 5.36 ft

Net drawdown = 4.3 ft

Domestic 3:

Drawdown from current location = 1.05 ft

Drawdown from proposed location = 5.36 ft

Net drawdown = 4.3 ft

Net drawdown exceeds the drawdown allowance for the domestic wells numbered 2 and 3. Critical well analysis was performed for those wells.

#### **Critical Well Evaluation:**

#### Domestic 2:

Water Column = 240.7 ft

DP = 4.3 ft (Net drawdown from the proposal indicated above)

DE = 56.2 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DT = 60.5 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 240.7 ft = 96.3 ft

Physical Drawdown Constraint (PDC) = 240.7 ft -20 ft = 220.7 ft

Total drawdown of 60.5 ft is less than the EDC and the PDC, so this well is not critical.

#### Domestic 3:

Water Column = 217.0 ft

DP = 4.3 ft (Net drawdown from the proposal indicated above)

DE = 57.6 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DT = 61.9 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 217.0 ft = 86.8 ft

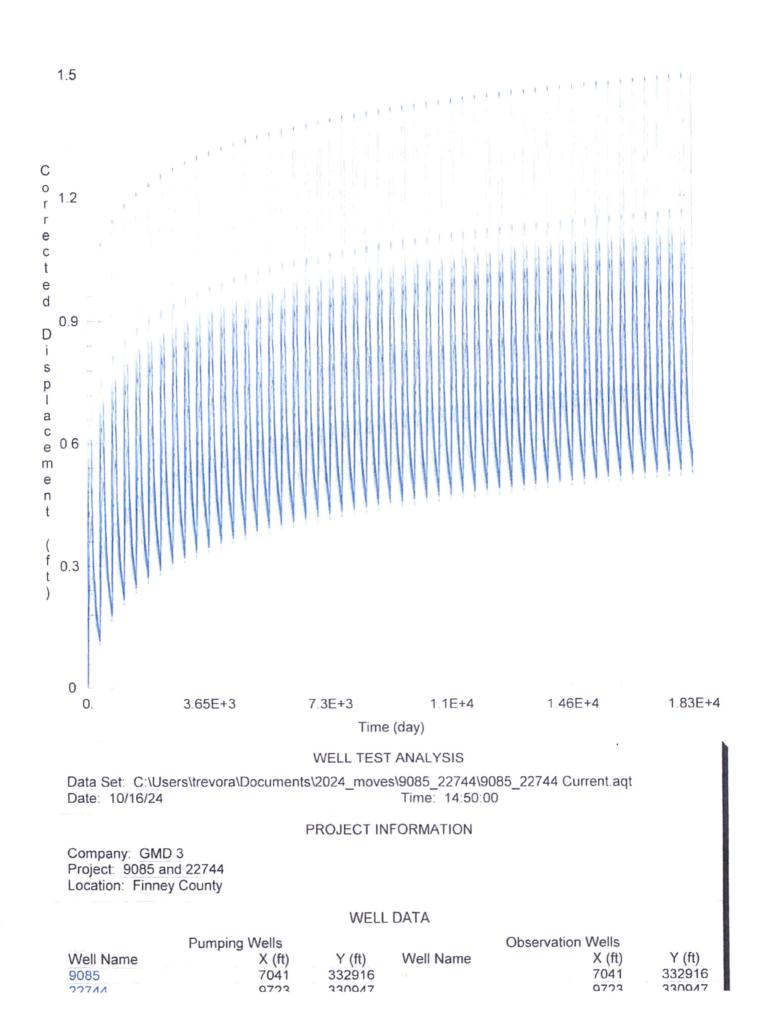
Physical Drawdown Constraint (PDC) = 217.0 ft - 20 ft = 197.0 ft

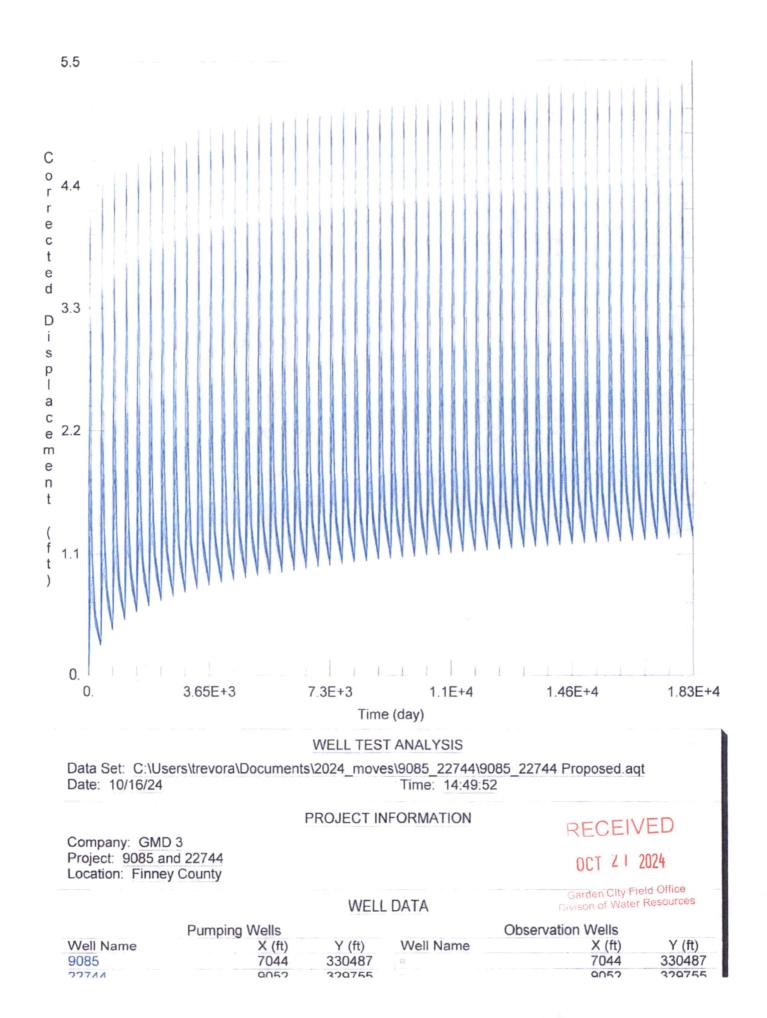
Total drawdown of 61.9 ft is less than the EDC and the PDC, so this well is not critical.

#### Conclusion:

The proposed move is in an aquifer area with more than 200 ft of remaining saturated thickness and solid aquifer characteristics. The analysis shows that net well-to-well effects created by this proposal are likely to be noticeable on the nearby domestic wells just to the south of the proposed well locations. These wells were not flagged as critical because the GMD3 model projects that the usable portion of the aquifer will not decline at a rate exceeding 40% over the next 25 years. It should be noted that the domestic wells for these households are not listed in the Water Well Completion Records Database and they were centered over the houses using aerial photography. Actual effects will be greater or smaller depending on the direction and distance of the well locations from their respective buildings. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.







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

September 16, 2024

T & O LLC Attn: THOMAS WILLIS 901 APOLLO ST LIBERAL, KS 67901

Application for Change, Water Right, File No. 22744

Dear Sir:

This is to advise you that Garrett and Megan Speer has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced application.

You can find the complete application posted by water right file number as referenced above at www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices

You are notified of this proposal so that you may furnish this office with any comments or other information you may want to submit. Such comments or other information must be received in this office within 15 days from the date of this letter.

Should you have any questions, please feel free to call this office. If you would prefer, an appointment could be arranged for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file. Sincerely,

Sincerely,

Michael A. Meyer

Water Commissioner

**MAM**