# 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:						
10940	10-19-2021	C1	4	3						
6. Status: ☐ Approved ☐ Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:						
			9/20/2021							
8a. Applicant(s)/Landowner, WUC New to system □	Person ID 59394 Add Seq#		8c. Landowner(s) Person ID Add Seq#							
DAN & DEAN BROWN 7495 ROAD 7 LIBERAL, KS 67901-4902	2									
8b. Landowner(s) New to system □	Person IDAdd Seq#		8d. WUC/ Landowner Person ID New to system ☐ Add Seq#							
9. Documents and Enclosure(s): 🛛 DV	VR Meter(s) Date to Compl	y: <b>12/31/2022</b>	N & P Date to	Comply: <u>3/1/2023</u>						
☐ Anti-Reverse Meter ☐ Meter	Seal   Check Valve	⊠ N & P Form	☑ Water Tube    ☑ Dr	iller Copy ⊠ H & E Letter						
☐ Conservation Plan  Date Require	ed: Da	te Approved:	Date to	Comply:						
10. Use Made of Water From:		To: _								
			Date Prepared: <b>10/18/</b> Date Entered:	<b>2021</b> By: <b>MAM</b> By:						

File No. 10940	11. County:	nty: SV Basin: CIMARRON RIVER						Stream:								Formation Code: 211 Special Use:					
12. Points of Diversion CHK MOD DEL PDIV ENT Qualifier	S	т	R	ID	'N	'\Λ	I	Com	ment	(AKA	l ine)			uthori	uantity zed Quantit	v	A: Rate	dditional Quar	ntity		
ETT Quality										(/ (10 ( )			gpm		af		gpm			Overlap PD Files	
DEL 13702																					
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13. Storage: RateNF Quantityac/ft Additional RateNF Additional Quantityac/ft																					
13. Storage: Rate	N	F	Quan	itity				_ ac/ft	Α	ddition	nal Rat	e				NF	Addi	tional Quan	tity		ac/ft
14. Limitation:																					
Limitation: af/yr at gpm ( cfs) when combined with file number(s)																					
15. 5YR Allocation: Allocation	Туре	Sta	art Year		_ 5`	YR Amou	int _		Amo	ount Ui	nit	_	Base /	Acres		_ Co	mment_				
16. Place of Use CHK		NE1/4				N\	N¹/4	SW <sup>1</sup> / <sub>4</sub>					SE1/4				Total	Owner	Chg?	Overlap Files	
MOD DEL ENT PUSE S T R	ID	NE 1⁄4	NW 1/4	SW 1/4		IE 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 32536	10																				
																		-			
																					-



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

Mike Beam, Secretary

Laura Kelly, Governor

October 19, 2021

DAN & DEAN BROWN 7495 ROAD 7 LIBERAL, KS 67901-4902

RE:

Field Office Application for Change

Water Right, File No. 10940

Dear Sir:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in the approval for change. Conditions of these approval are 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,

Michael A. Meyer

Water Commissioner

MAM enclosures pc:

GMD3

# **CERTIFICATE OF SERVICE**

On this 19<sup>th</sup> day of October 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 10,940 dated 19<sup>th</sup> day of October 2021 was mailed postage prepaid, first class, US mail to the following:

DAN & DEAN BROWN 7495 ROAD 7 LIBERAL, KS 67901-4902

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.

RECEIVED

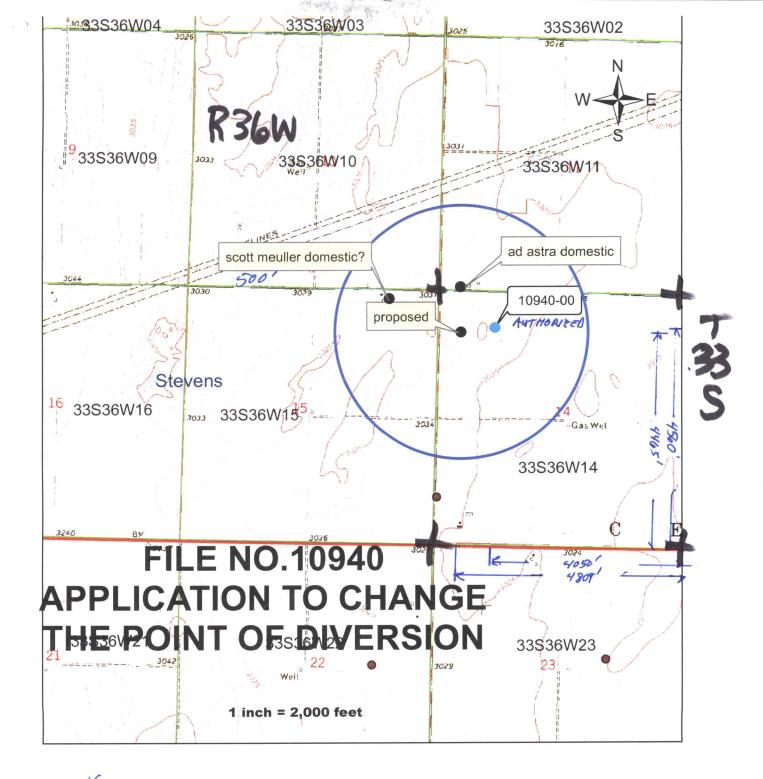
	File No. 10940 - 00														SEP 20 2021				
1.	Applicati	on is he	reby n	nade fo	or appr		f the C lace of		nginee		ange t			e or b	oth):		Div	Garder vision o	n City Field Office of Water Resources
	*under the	e water	right w	hich is	the su	ubject	of this	applic	ation ii	n acco	rdance	with t	he cor	nditions	s desc	ribed b	elow.		
	The sour						round				Surfac								
					1			The same of the sa											
2.	7495 RD 7, LIBERAL KS																		
Phone Number: (620) 655-4946 Email address: ambrewn 67901@gmail Com																			
Name and address of Water Use Correspondent: Dan Brown																			
	Phone Number: 620 x655-4946 Email address: ambrown 67901 63 gmeil . Com																		
3.	3. The presently authorized place of use is:																		
	Owner of Land NAME:																		
	(If there is				ner at	tach su	ppleme	ntal sh	eets as	neces	sarv.)								
	(If there is more than one landowner, attach supplemental sheets as necessary.)  NE½ NW¼ SW¼ SE½ TOTAL																		
S	ec. Twp.	Range	NE¼		SW1/4	SE¼				SF1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4 NW1/4 SW1/4 SE1/4		SE1/4	ACRES	
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								/											
4.	If this ap Owner o	f Land -	NA												ged to	:			
	(If there is	more th	an one	landov	ner, at	tach su	ppleme	ental sh	eets as	neces	sary.)								
				NE	1/4			NV	VV/			SV	V1/4			SI	Ξ¼		TOTAL ACRES
S	ec. Twp.	Range	NE1/4	NW¼	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE¼	NE1/4	NW1/4	SW1/4	SE¼	ACRES
_			<u></u>	<u></u>											L				
	For Offi	ce Use	Only:	Code		Fe	e \$ <u></u>	00.00	_ TR	#		Re	eceipt	Date _	1-20	1-21	Chec	k#	1960

5.	Presently authorized point of diversion:		
	One in the North Contex NC Quarter of the N/2	Quarter of the Nw	Quarter
	of Section /4 , Township 33	South, Range 36	_ (E/N),
	in Stevens County, Kansas, 4560 fee	et North 4050 feet West of Southeast corner of s	ection.
	Authorized Rate MA Authorized Quantity N		
	(DWR use only: Computer ID NoO/_ GPS		
•	☐This point will not be changed ☐This point will be changed as		ollows:
	Proposed point of diversion: (Complete only if change is	requested or if existing point is better described by	GPS)
	One in the North Enst SW Quarter of the NW	Quarter of the N W	Quarter
	of Section, Township33	South, Range <u>36</u>	_ (E/W),
	in Stevens County, Kansas, 4465 fee		
	Proposed Rate NA Proposed Quantity NA		
L	This point is: Additional Well Geo Center List other	water rights that will use this point	·
-			
6.	Presently authorized point of diversion:	<i>y</i>	
	One in the Quarter of the	Quarter of the	Quarter
	of Section, Townshipin fee	South, Range	_ (E/W),
	In County, Kansas, fee	feet West of Southeast corner of s	ection.
	Authorized Rate Authorized Quantity	Depth of well (feet)	
	(DWR use only: Computer ID No. GPS		Maurer
	This point will not be changed This point will be changed as		
	Proposed point of diversion: (Complete only if change is		
	One in the	Quarter of the	Quarter
	of Section, Township	South, Kange	_ (⊏/VV),
	in County, Kansas, fee Proposed Rate Proposed Quantity	Proposed well double (5-st)	ection.
	This point is: Additional Well Geo Center List other		
L	This polities. Linduitional Well   Geo Center List other	water rights that will use this point	·
7.	The changes herein are desired for the following reasons?		
	(please be specific) Holes In Casing	North	
			00 1
		E' L' L' ± ' L' L' E	
8.	If a well, is the test hole log attached? ☑ Yes ☐ No	200	200
		200 +   +   +   =   +   +	200
9.	The change(s) (was)(will be) completed by?		
	Bupkett Drilling Co.	100 =   +   +   =   +   +   =	100
	Commence of the Commence of th		
10.	If the point of diversion is a well:		O Foot
	(a) What are you going to do with the old well?		U East
	Plua		
	(b) When will this be done? After Completion	100 +   +   =   +   +   =	100
	(b) Which will fill be doller Three Complete to		
11	Groundwater Management District recommendation attached?	200 + + + + = + + + + + + + + + + + + + +	200
ı I.	Yes No		200
12.	Assisted by Alex (AT)	300 200 100 0 100 200 3	00
		South Scale: 1 hashmark=10 ft	
138	I. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach	13b. If the proposed point of diversion will be relocated within	n 300 feet
	a topographic map or aerial photograph. For groundwater	of the existing point of diversion, indicate its location	on on the
	sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing	diagram shown above in relation to the existing diversion. (PLEASE NOTE: The "X" in center of	point of diagram
	addresses of the owners. For surface water sources, show the	above represents the presently authorized	point of
	names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property	diversion.)	
	lines		

14. If the proposed groundwater point of diversion is 3	300 or fewer feet froi	n the existing point	of diversion, complete	e the following:
(a) Does the undersigned represent all owners o ☐ Yes ☐ No (If no, all owners r	f the currently autho must sign this applic		e identified in this app	lication?
<ul> <li>(b) Will the ownership interest of any owner of t affected if this application is approved as requ</li> <li>☐ Yes</li> <li>☐ No</li> <li>(If yes, all owners)</li> </ul>			identified in this app	lication be adversely
(c) If this application is not approved expeditious  ☐ Yes ☐ No (If no, all owners r	ly, will there be subs		roperty, public health	or safety?
If the application proposes a surface water change in por a change in place of use, the application must be si agent (attach notarized statement authorizing represer	gned by all owners	groundwater chang of the currently auth	e in point of diversion orized place of use, o	greater than 300 feet, or their duly authorized
I hereby verify, being first duly sworn upon mage and the owner, the spouse of the owner, their behalf, in regards to the water right(s) to contained in this application are true, correct	or a duly authorize or which this app and complete.	ed agent of the lication pertains	owner(s) to make . I further verify t	this application on
Dated at SEpt LiBerral	, Kansas, this _	16 day of _	Sept	, 20 3 /
Jan M. Brown				
(Owner)			(Spouse)	
(Please Print)			(5)	
(1)			(Please Print)	
Vean R Preva			(Spauso)	
(Owner)			(Spouse)	
(Please Print)			(Please Print)	
,			,	
(Owner)			(Spouse)	
(Please Print)			(Please Print)	
State of Kansas	A. STARL	YOUNG		
County of	Notary Public My Appt. Expires	State of Kansas		
I hereby certify that the foregoing application of, 20	was signed in m	y presence and	sworn to before m	e this <u>I</u> day
or speemser, 20 at		10		
		Se	ula your	
My Commission Expires 9/22/2022.			Notary Public	
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED accurate information; maps, if necessary, must be included; sthe appropriate fee must be paid.	. To be complete, all o signatures of all the ap	f the applicable portion or opriate owners' mus	ns of the application form t be affixed to the applic	n must be completed with ation and notarized; and
	FEE SCHEDU	E		
Each application to change the place of use or the point forth in the schedule below: Make checks payable to:  (1) Application to change a point of diversion  (2) Application to change a point of diversion  (3) Application to change the place of use	nt of diversion under Kansas Departme 300 feet or less more than 300 feet	this section shall be nt of Agriculture		\$100 \$200

# SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

pro Wit	visions of the Kansas Water Appropriation Law, K.S.A. 82a-	08b, as amended, and K.A.R. 5-5-1, <i>et seq.</i> 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	requesting that the place of use and / or point of ber be changed as described in the application.
2.	On and after the effective date of this summary order, the au the topographic map accompanying the application to cha	thorized place(s) of use shall be located substantially as shown on ange the place of use.   Applicable Mot Applicable
3.	The change in point of diversion shall not impair existing right previously authorized. The point of diversion authorized to radius of the authorized point(s) of diversion.	hts and shall be limited to the same source or sources of water as by this summary order shall be located within a _300 foot ole ☐ Not Applicable
4.	The point(s) of diversion described herein is administrative Positioning System (GPS), as described in the application	ely corrected to be more accurately described using the Global n. ☐ Applicable Not Applicable
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion.   Applicable	be located more than feet from the previously lot Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a vor other device suitable for making water level measurement K.A.R. 5-6-13. Applicable	well with a diversion rate of 100 gallons per minute or more, a tube ents shall be installed, operated and maintained in accordance with
7.	operated and maintained in accordance with K.A.R. 5-1-4	operly 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 it the reading of the water flow meter and the total quantity of water ring the end of each calendar year.
8.	authorized extension of time. By March 1, 20 $\geq$ 3 the	e completed on or before December 31, 20 22, or within any applicant shall notify the Chief Engineer that construction of the yided by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requ	i <b>ired notice.</b>
10.	with an in-line automatic quick-closing check valve capa	foreign substance will be injected into the water shall be equipped able of preventing pollution of the source of the water supply. The I in accordance with K.A.R. 5-3-5c. Applicable \( \square\) Not Applicable
11.	Additional Conditions are attached.  Yes No	
12.	water appropriated under the above-referenced file num limitations, as amended and/or supplemented by this Sui Appropriation Law and the Rules and Regulations promi	A.R. 5-5-14, all of the owners of the authorized place(s) of use of ber are responsible for compliance with its terms, conditions and mmary Order, and with applicable provisions of the <i>Kansas Water</i> ulgated thereunder. Failure to comply with these provisions may mended, and/or the suspension or revocation and dismissal of the ions authorized by law.
	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
le v	ou are aggriculed by this order, purculant to K.S.A. 82a-1001	APPLICATION APPROVED AND
you	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901, may request an evidentiary hearing before the Chief	SUMMARY ORDER ISSUED
Eng	gineer or request administrative review by the Secretary of iculture. A request for hearing by the Chief Engineer must be	By: Musul Arthy
file	d within 15 days of service of this Order and a request for	Duly Authorized Designee of the Chief Engineer
day	ninistrative review by the Secretary must be filed within <b>30</b> ys pursuant to K.S.A. 77-531. Any request for administrative	(Print Name): MI CHAEL A MOYER
rev	iew must state a basis for review pursuant to K.S.A. 77-527. any request with Kansas Department of Agriculture,	Division of Water Resources - Kansas Department of Agriculture
Leg	gal Division, 1320 Research Park Drive, Manhattan, KS	Date of Issuance: October 19, 2021
pre	502. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act.	State of Kansas ) ) SS
	For Use by Register of Deeds	County of Genney )
		Acknowledged before me on October 19, 202
		by Michael A. Meyer
		Signature:
		Signature.
		JULIE JONES
		My Commission expires My Appointment Expires
		(NQ)@03(mber 34) 2022



APPLICANT SIGNATURE
ALL WELLS WITHIN YOU MILE HAVE BEEN PLOTTED

Din		L.C. BURKETT, JI  DRILLING COMPANY (WE TEST THE EARTH) PHONE 806-948-4252 P.O. Box 630 SUNRAY, TEXAS 79086	<b>Sur.</b> 3 (φ
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260	280	andy hash clay where fine to mad gard tranks	8
240	300	med-rouse sand regrowl whose brown clay stringers	20
1/100	320	fine course sind wit one moun day dringers	18
30	340	fire - raise sand where bown clay strings	18
310	360	fine carso sand torrite whose brown clay stringers	20
360	380	Fine to couse want paid	30
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Panhardle Pirit	ng Form 28898.cdr		



# 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

October 18, 2021

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. 10940

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 distance moved and minimum spacing to neighboring wells.

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 (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 that a couple of the neighboring wells exceeded the net effect above the maximum allowable threshold. Further analysis showed that the proposed change would not create critical well effects. Our office did receive a call from one of the neighboring land owners. We discussed the analysis and any questions he might have. He did not want to hinder or comment on this application. 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

**GMD3** Change Review File No(s).: 10940 . DWR office: GC. App filed to change: PD. Is Landowner(s) correct in WRIS: Dan Brown. 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 4560 4050 Sect 14-33-36 Proposed PD 4465 4809 Difference 95 s -759 w a2 + b2 = c29025 576081 764.9222 foot move SW GPS for proposed PD: Lat: <u>37.182361</u> Long: -101.210805. Is proposed PD stacking on existing WRs? No . Is Proposed PU overlapping existing WRs? No Change. Neighboring certified well(s) notified: . . Name Warren & Amanda Willis (22756 & 50471). Address 613 Road N. Zip Hugoton, KS 67951.

Email: <u>wawillis@pld.com</u> Phone: <u>620-428-1063.</u>

Land is now owned by Robert Shafer. He did contact me and we discussed this change application. I told him about our process and the results. He did not want to stop the move. Questioned more about how some wells in his area were not deemed abandoned long ago, so we discussed the change in the laws and that process also.

Domestic well(s) notified: \_\_.

Name Ad Astra Ag LLC (SW 11-33-36).

Address PO Box 914.

Zip <u>Johnson, KS 67855-0914</u>.

Name Scott Mueller (NE 15-33-36).

Address <u>1979 Road P</u>.

Zip <u>Hugoton, KS 67951-5308</u>.

Name Nathan & Christina Williams (SW 14-33-36).

Address 2010 State Highway 51. Zip Hugoton, KS 67951.

Base Acres: \_\_.
Perfected Acres: \_\_.

# **GMD3** Change Review

Irr. Return-Flow \_\_\_\_%

Authorized 560AF @ 750gpm, Stevens CO, 2300'spacing to all neighbors needed. No water has been reported from the current PD in numerous years.

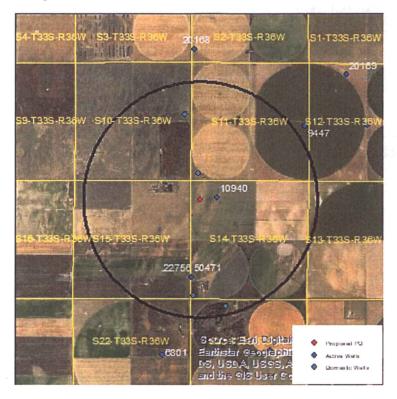
No current inspections to show possible current rate for the well.

Is a waiver needed: Move is less than half mile and minimum spacing appears met to neighboring wells. One domestic well took further evaluation, but none of the wells were determined to be critical.

Recommendation: After review of all available information and review of our well analysis, the change appears to meet current area rules. Staff therefore recommends approval of the application.

#### Evaluation of proposed move for Water Right No. 10940

Proposed: Move water right no. 10940 to a new well location, 765 ft to the southwest.



Wells within 1 mile: 22756 & 50471, a domestic well in section 10-33-36, a domestic well in section 11-33-36, a domestic well in section 23-33-36.

The saturated thickness at the proposed well location is estimated to be 241 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:

 $S=0.2041, T=6148.7 \text{ ft}^2/\text{day, tp}_{current}=0 \text{ days, } Q_{current}=0 \text{ gpm, tp}_{proposed}=169 \text{ days, } Q_{proposed}=750 \text{ gpm}$ 

Theis drawdowns were calculated as follows:

22756 & 50471:

Net drawdown = 4.3 ft

Domestic 10-33-36:

Net drawdown = 4.0 ft

Domestic 11-33-36:

Net drawdown = 7.6 ft

Domestic 14-33-36:

Net drawdown = 3.8 ft

Domestic 23-33-36:

Net drawdown = 3.5 ft

Net drawdown exceeds the drawdown allowance of 4.0 ft for water right numbers 22756 & 50471, and the domestic well in section 11-33-36. Critical well analysis is necessary for those wells.

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

#### 22756 & 50471:

Water Column = 241 ft

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

DE = 48.3 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 41.9 ft (S = 0.2041, T = 45,992 gpd/ft, Q = 750 gpm, tp = 96.4 days, efficiency = 70%)

DT = 94.5 ft

Economic Drawdown Constraint (EDC) = 0.4 \* 241 ft = 96.4 ft

Physical Drawdown Constraint (PDC) = 241 ft - 60 ft = 181 ft

Total drawdown of 94.5 ft is less than the EDC and PDC, so this well is not critical.

#### Domestic 11-33-36:

Water Column = 223 ft

DP = 7.6 ft (Net drawdown from the proposal indicated above)

DE = 51.1 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 58.7 ft

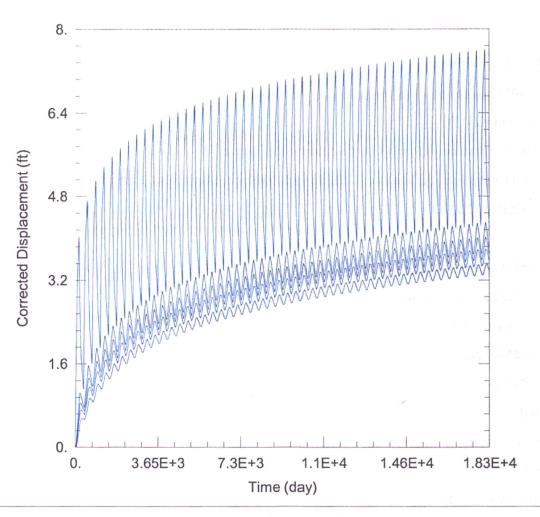
Economic Drawdown Constraint (EDC) = 0.4 \* 223 ft = 89.2 ft

Physical Drawdown Constraint (PDC) = 223 ft - 20 ft = 203 ft

Total drawdown of 58.7 ft is less than the EDC and PDC, so this well is not critical.

#### **Conclusion:**

The proposed moves are in an area with ample saturated thickness and aquifer properties that allow for productive wells. If the well is operated at its full authorized rate and authority, noticeable interaction effects exceeding 4 ft may occur. However, analysis shows that neighboring wells with these effects have a large amount of saturated thickness and declines are not great enough that they are likely to lose much productivity due to this change. GMD3 staff recommends approval of the application.



# WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021\_Moves\10940\10940 Proposed.aqt

Date: 10/12/21 Time: 16:19:43

#### PROJECT INFORMATION

Company: GMD 3 Project: 10940

Well Name

10940

Location: Stevens County

### **WELL DATA**

X (ft)	Y (ft)
-119845	112169

**Pumping Wells** 

VVEILIVAILLE	\ (IL)	1 (11)
	-119845	112169
<ul> <li>22756 &amp; 50471</li> </ul>	-120237	108707
<ul> <li>Domestic 10-33-36</li> </ul>	-120569	116003
<ul> <li>Domestic 11-33-36</li> </ul>	-119923	113356

107877

107374

**Observation Wells** 

<ul> <li>Domestic 11-33-36</li> </ul>	-119923
<ul> <li>Domestic 14-33-36</li> </ul>	-120140
<ul> <li>Domestic 23-33-36</li> </ul>	-118663

# SOLUTION

Aquifer Model: Unconfined

 $T = \frac{6148.7}{\text{Kz/Kr}} \text{ ft}^2/\text{day}$ 

Solution Method: Theis

S = 0.2041b = 241. ft

Well Name

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

4465 Feet N and 4809 Feet W of the Southeast Corner of Section 14 Twp 33S Rng 36W

Located at: 101.210806 West Longitude and 37.182362 North Latitude Both SURFACE WATER and GROUNDWATER

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Bot	h SURFAC	E W	ATER	and	d G	ROUND	VATER										9	2300	1 one			
===				===					2225		===:										.=========	=:
Fil	e Number		Use	ST	SR	Dist	(ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Qu	ıan	Add_Quan	
Uni	t																					
A	10940	00	IRR	NK	G*		765		NC	N2	NW	4560	4050	14	33	36W	1		560	.00	560.00	
P	Æ							/														
A	22756	00	IRR	NK	G		3466		NW	SW	SW	1016	5142	14	33	36W	4		527	.00	527.00	
I	F																					
Α	50471	00	IRR	KE	G		3466	/	NW	SW	SW	1016	5142	14	33	36W	4		527	.00	.00	
P	F																					

Total	Net Quanti	ties 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)	=	1087.00	.00	
Total	Vested	Amount	(AF)	=	.00	.00	
TOTAL	AMOUNT		(AF)	=	1087.00	.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:

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WATER USE CORRESPONDENTS:

File Number Use ST SR > DAN & DEAN BROWN > 7495 ROAD 7 > LIBERAL KS 67901 >-----> WARREN M & AMANDA R WILLIS > 613 ROAD N > HUGOTON KS 67951 >-----> WARREN M & AMANDA R WILLIS > 613 ROAD N > HUGOTON KS 67951



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

Mike Beam, Secretary

Laura Kelly, Governor

October 4, 2021

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

Re:

Request for Recommendation

Water Right, File No. 10940

Dear Mr. Norquest:

This is to advise you that Dan Brown, has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion.

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM Enclosures

# Meyer, Mike [KDA]

From:

Meyer, Mike [KDA]

Sent:

Monday, October 4, 2021 2:31 PM

To:

'Norquest, Jason (Norquest@gmd3.org)'

Subject:

request for recommendation, File No. 10940

**Attachments:** 

20211004141627099.pdf; 20211004141637772.pdf; 20211004141654469.pdf

#### hello

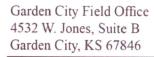
attached is a request for a review and recommendation, for a change in point of diversion. another "abandoned well" in the district being redrilled and put to use...

please provide a recommendation within 15 days.

both nearby letter recipients called and said "as long as they have water for the future and wont affect the future supply, they are fine with the proposal".

thanks

Mike





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

Mike Beam, Secretary

Laura Kelly, Governor

September 20, 2021

SCOTT MUELLER 1979 ROAD P **HUGOTON KS 67951** 

RE:

Application for Change

Water Right, File No. 10940

Dear Sir:

This is to advise you that Dan Brown has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced application.

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

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM

pc:

Groundwater Management District No. 3

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

Mike Beam, Secretary

Laura Kelly, Governor

September 20, 2021

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Sincerely,

Michael A. Meyer

Water Commissioner

MAM

pc: Groundwater Management District No. 3



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

Mike Beam, Secretary

Laura Kelly, Governor

September 20, 2021

AD ASTRA AG LLC PO BOX 914 JOHNSON KS 67855

RE:

Application for Change

Water Right, File No. 10940

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Michael A. Meyer Water Commissioner

MAM

pc: Groundwater Management District No. 3