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:
41295	6-6-2024	C2	4	3
6. Status: ☐ Approved ☐ Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				06/06/2024
8a. Applicant(s) New to system □	Person ID 59134 Add Seq#	8c. Landown	A Paris and the second of the	Person IDAdd Seq#
WARREN M & AMANDA 613 ROAD N HUGOTON, KS 67951	R WILLIS			
	se to the second			
8b. Landowner(s) New to system □	Person IDAdd Seq#	8d. WUC New to sy	stem 🗌	Person IDAdd Seq#
		8a		
9. Documents and Enclosure(s): X DV	VR Meter(s) Date to Comp	ly: <u>12/31/2024</u>	N & P Date t	o Comply:
☐ Anti-Reverse Meter ☐ Meter	Seal	⊠ N & P Form		Driller Copy
☐ Conservation Plan Date Requir	ed: Da	ite Approved:	Date	to Comply:
10. Use Made of Water From:		To: _		
			Date Prepared: 6/06 Date Entered:	/2024 ву: МАМ ву:

File No. 41295	11. County:	11. County: SV Basin: ARKANSAS RIVER							Stream:								Formation Code: 211 Special Use:						
12. Points of Diversion CHK MOD DEL PDIV		7 .		-						1				A	Authori		I		dditional				
ENT Qualifier	S -	Т	R	ID		N	ʻW		Com	ment	(AKA	Line)		Rate gpm		Quanti af	ty	Rate		ntity f (Overlap	PD Files	
DEL 83198		1 -1							£.														
ENT SWNES	24 3	33S 4	40W		10	664	106	2						855	i	240		855	24	0 4	42758		
																			11.				
13. Storage: RateNF Quantityac/ft Additional RateNF Additional Quantityac/ft																							
14. Limitation: af/yr at gpm (cfs) when combined with file number(s)																							
Limitation:	af/yr a	t			9	gpm (_				cfs) w	hen co	mbine	ed with	file nu	umber	(s)							
15. 5YR Allocation: Alloca	tion Type	Sta	rt Year			5 YR	Amou	nt		Amo	ount U	nit	_	Base	Acres		_ C	omment					
16. Place of Use CHK			NE	Ξ1/4		NW1/4					SW1/4			SE1/4			Total	Owner	Chg?	Overl	ap 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		- b- 1				
CHK 7076	h																		,	r'			
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					,										T	5		-					
Base Acres: 120 Year: Minimum Reasonable Quantity:																							
Comments:																							

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 6, 2024

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

RE:

Field Office Application for Change Water Right, File Nos. 41295 & 42758

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 these approvals for change. A condition of these approvals is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the order modifies the original documents referred to above, they 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 6th day of June 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 41,295 and 42758 dated 6th day of June 2024 was mailed postage prepaid, first class, US mail to the following:

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

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



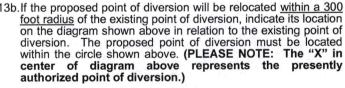
STATE OF KANSAS

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.

than	agraph Nos. 1 n 100 feet, or if iversion and/or	place of	use w													ized a	nd prop	
									-	No.								
					ſ	File No	o. <u>4129</u>	95								MA	Y 09	2024
1.	Application is	hereby	made f	for app	roval c	of the C	Chief E	ngine	er to cl	nange	the (ch	neck or	ne or b	ooth):	_			Field Office er Resources
					□F	lace o	f Use		\boxtimes	Point	of Dive	ersion			L	NVISON	OI Wat	el Nesources
	under the wat	er right v	which i	s the s	ubject	of this	applio	cation	in acco	ordanc	e with	the cor	ndition	s desc	ribed I	oelow.		
	The source of	supply	is:		\boxtimes G	round	lwater			Surfa	ce wat	er						
2.	Name and add	dress of	Applic	ant: W	arren \	Willis_										11		1
	613 Road N, I	Hugoton	, KS 6	7951	1													
	Phone Number: 620-428-1063 Email address:																	
	Name and address of Water Use Correspondent: Warren M & Amanda R Willis																	
	613 Road N, I							Service law								-		
	Phone Number							Email	addre	ss:			-		-			<u> </u>
3.	3 P. 33 P. 4 P. 4 P. 4 P. 4 P. 4 P. 4 P.																	
	Owner of Land NAME: Warren M & Amanda R Willis																	
				613 R									-				× 1,	
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	For Office Us	e Only:	Code	ja	Fe	e \$ 20	00.00	TR	#		Re	eceipt	Date !	5-9-	24	Chec	k#9-	718

5.	Presently authorized p					r= i_i
	One in the NE	Quarter of the	NE	Quarter of the	NW	Quarter
	of Section	25, Township	33	South, Range	40W	(E/W),
	in Morton	County, Kansas, <u>5010</u>	feet North _	2840 feet Wes	t of Southeast corn	er of section.
		Authorized Quantit				
1	(DWR use only: Com	outer ID No G	SPS 5075	feet North	2813 feet W	est)
		nanged This point will be chan				
	Proposed point of dive	ersion: (Complete only if cha	nge is requeste	ed or if existing poin	nt is better describ	ed by GPS)
	One in theS	N Quarter of the	NE	Quarter of the	SE	Quarter
	of Section	24, Township	33	South, Range	40W	(E/W) ,
	in Morton	County, Kansas, <u>1664</u>	feet North _	1062 feet Wes	t of Southeast corn	er of section.
	Proposed Rate	Proposed Quantity		Proposed well de	epth (feet)	
	This point is: Addition	nal Well Geo Center List	other water righ	nts that will use this p	oint <u>4/29</u>	5
•					11/4	
6.	Presently authorized p	oint of diversion:				1
٠. ا				Quarter of the		Quarter
	of Section	Township		South, Range		(E/W),
	in	Quarter of the , Township County, Kansas,	feet North	feet Wes	t of Southeast corne	er of section.
	Authorized Rate	Authorized Quantity	<u> </u>	Depth of well	(fe	et)
	(DWR use only: Comp	outer ID No	PS	feet North	feet W	est)
		anged This point will be chan				
		ersion: (Complete only if cha				The second secon
		Quarter of the				
	of Section	, Township	,	South Range		(F/W)
		, rownship County, Kansas,				
	Proposed Rate	Proposed Quantity	100011101111_	Proposed well de	enth (feet)	_
		nal Well Geo Center List				
L	This point is	Tidi VVCII	other water rigi	nto triat will add trilo p		
7.	The changes herein are	desired for the following reason	ons?			
		of production.	_	1	North	
			_ 300	200 100	0 100 200	300
			- <u>E</u>		± 1	.' ₫
8.	If a well, is the test hole lo	og attached? X Yes No	E			. =
٠.	in at trong to three to		200	-1/+1+1		200
9.	The change(s) (was)(will	be) completed by?	_ 100	/	=	100
	Upon approval.		100 E	$L_1 + 1 + 1$	= 1 + 1 +	100
			_			1
10.	If the point of diversion is	a well:	Į.		T T T	3
	(a) What are you going to	o do with the old well?	West 0	ո վուսիսոկոսիննվո	ւ🛣 inporporporp	11 1 H
			<u> </u>		<u>=</u>	4
	Plug/cap.		- ₁₀₀	-1 + 1 + 1	\equiv 1 \pm 1 \pm	100
	(b) When will this be don	ne? Upon completion.	- ¹⁰⁰ E	1 1 1 1	= / / ' '	
			E	/	E T	/ =
11.		nt District recommendation attach	red? 200 =	-1/+1+1	= 1 + 1 +	/ 1 → 200
	☐ Yes	☑ No	E		= -/-	4
10	Assisted by EAV		E			Lu
12.	Assisted by <u>EAV</u>		- 300		0 100 200 South Scale: 1 hashm	300
13a	If the proposed point of di	version will be relocated more that	n 300 attach 13h lf the			

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



14. If the proposed groundwater point of diversion is 300 or fewer feet from	m the existing point of diversion, complete the following:
(a) Does the undersigned represent all owners of the currently authors (If no, all owners must sign this application).	
 (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) 	그 이 그렇게 되어 되었다면 하는 사람들은 사람들이 다른 사람들이 없다.
(c) If this application is not approved expeditiously, will there be sub Yes No (If no, all owners must sign this application)	
If the application proposes a surface water change in point of diversion, a or a change in place of use, the application must be signed by all owners agent (attach notarized statement authorizing representation).	
I hereby verify, being first duly sworn upon my oath or affirmage and the owner, the spouse of the owner, or a duly authoritheir behalf, in regards to the water right(s) to which this appropriate in this application are true, correct and complete.	zed agent of the owner(s) to make this application on
Dated at Husolon , Kansas, this	9 day of May , 20 24.
Dated at, ransas, this	
Man Thick	(Imande Willis
(Owner)	(Spouse)
Warren Willis	Amondo Willi
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas)	
County of Stevers SS	The state of the s
I hereby certify that the foregoing application was signed in n	
of NOTARY PUBLIC - State of Kansas	my presence and event to before the this asy
AREN McBRIDE My Appt Expires Ollowroll	A Mosor
	Notary Public
My Commission Expires 07/06/2026	
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all accurate information; maps, if necessary, must be included; signatures of all the apthe appropriate fee must be paid.	of the applicable portions of the application form must be completed with propriate owners' must be affixed to the application and notarized; and
FEE SCHEDU	ULE .
Each application to change the place of use or the point of diversion unde	er this section shall be accompanied by the application fee set
forth in the schedule below: Make checks payable to: Kansas Departme (1) Application to change a point of diversion 300 feet or less	ent of Agriculture
(2) Application to change a point of diversion more than 300 feet	\$200 state of the
(3) Application to change the place of use	\$200

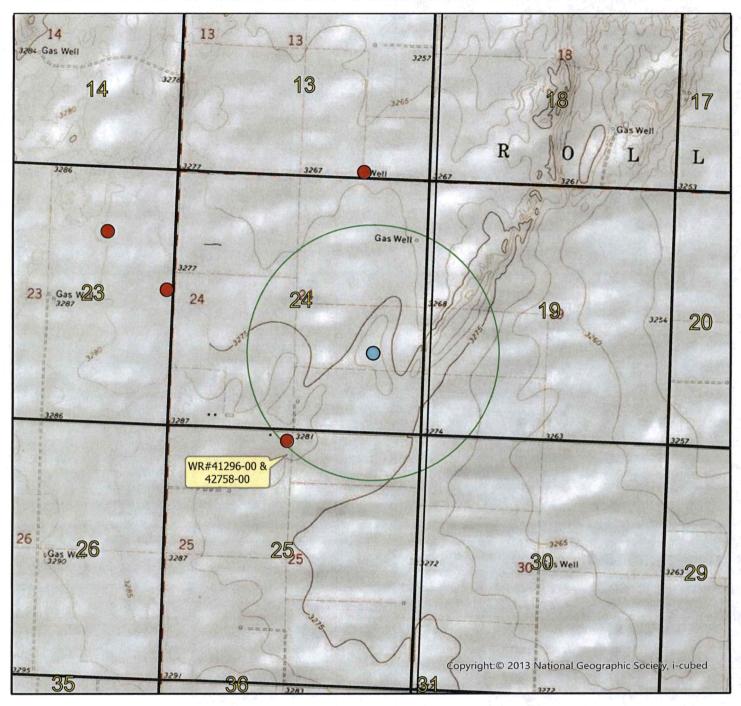
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

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, n, this Summary Order does not change the terms, conditions and
1.	A change application was received on	
2.	On and after the effective date of this summary order, the authe 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 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.	nts and shall be limited to the same source or sources of water as by this summary order shall be located within a foot le 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 . Applicable Not Applicable
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion. Applicable \(\subseteq \) N	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 v or other device suitable for making water level measureme K.A.R. 5-6-13. Applicable Not Applicable	vell with a diversion rate of 100 gallons per minute or more, a tube ents shall be installed, operated and maintained in accordance with
7.	December 31, 2029, or before the first use of water, 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 the reading of the water flow meter and the total quantity of watering the end of each calendar year.
8.	Installation of the works for diversion of water shall be authorized extension of time. By March 1, 20 the works for diversion has been completed, on the form proving Applicable \(\begin{array}{c}\text{Not Applicable}\)	completed on or before December 31, 2024, or within any applicant shall notify the Chief Engineer that construction of the ided by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requ	ired notice. 🙀 Applicable 🔲 Not Applicable
10.	with an in-line, automatic, quick-closing check valve capa	foreign substance will be injected into the water shall be equipped ble of preventing pollution of the source of the water supply. The in accordance with K.A.R. 5-3-5c. Applicable \(\simeg\) 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 Sun Appropriation Law and the Rules and Regulations promu	A.R. 5-5-14, all of the owners of the authorized place(s) of use of our are responsible for compliance with its terms, conditions and nmary Order, and with applicable provisions of the <i>Kansas Water</i> algated thereunder. Failure to comply with these provisions may needed, and/or the suspension or revocation and dismissal of the ons authorized by law.
4	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
If yo	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND SUMMARY ORDER ISSUED
you	may request an evidentiary hearing before the Chief ineer or request administrative review by the Secretary of	SUMMARY ORDER ISSUED
Agri	culture. A request for hearing by the Chief Engineer must be	By: Mufful A. My
	within 15 days of service of this Order and a request for ninistrative review by the Secretary must be filed within 30	Duly Authorized Designee of the Chief Engineer
day	s pursuant to K.S.Á. 77-531. Any request for administrative ew must state a basis for review pursuant to K.S.A. 77-527.	(Print Name):
File	any request with Kansas Department of Agriculture,	Date of Issuance:
665	al Division, 1320 Research Park Drive, Manhattan, KS 02. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act.	State of Kansas)
	For Use by Register of Deeds	County of Jinney) SS
		Acknowledged before me on June 1, 2024
		by Michael A. Meyer.
		Signature: Notary Public
		My commission expires: Notary JULIE JONES

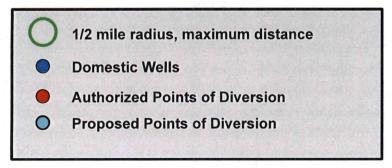
File No. <u>41295</u>

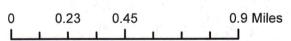
WR 41925

Preliminary Map as of 05/06/2024. Using data given to the DWR by the customer. Based on the best information that was received and in the DWR files as of the above date.



Township 33 South Range 40 West Morton County







EAV/GCFO

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

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

WAMENWILLIS CELL 620-428-1063

Customer	Name:	Warren 1	Villis	WO#: 2/928 Date: 5~1~24
Street Add		101	3 ROF	AON Test #: 3 E LOG: YES
City, State		N. W.	0-07-0A	Section: 24 Township: 33 Range: 40
	Morton	Quarter:	SE	
Location:				GPS: N37.16077 W101.61352 Elevation: 3277 Static WL: 100 FT Estimated?
Rig #:	10002			Elevation: 3277' Static WL: 100 FT Estimated?
				REPLAUEMENT WELL-ACATION
		Footage		MWS, CB
%	From	Pay	To	Description of Strata 41925 0, 42758
	0		2	Top Soil "Sandy"
	2		9	Sand Fine
	19		30	Brown Sandy Clay
	30		34	Sand Fine Med Course Small Med Few Large Gravel
156	34		5.7	Tan Sandy Clay Brown + Red Sandy Clay
	57		71	Brown + Red Sandy Clay
	71		81	Brown Sandy Clay
	81	11.	84	Sand Fine Mad
-	84	- in the second	90	Brown Clay
20	90	19	109	Sand Fine Med Some Course
5	109	14	123	Ton Sandy Clay & Fine Sand Mixed
30	123	19	142	Sand Five Med Course Small Gravel w/ Brown Rock "Wand Water"
10	142	38	180	Sand Fine wifew clay Lavers
5	180	22	202	Ton Sandy Clay w/ Some Fine Sand Layers
10	202	12	214	Sand Fine w/ Few Clay Layers
10	214	(43)	237	Brown Sandy Clay
10	237	24	261	Sand Fine Fow Med w/ Couple Clay Layers
10	261	32	293	Sand Fine Med For Course "Used Water!"
25			299	13-L C I A
10	293	(6)	The second name of the second	Brown Sanoty Clay
10	299	54	353	Sand Fine w/ Couple clay Layors "Used Little Water"
· · · · · ·	353	103	358	Brown Sandy Clay
	358	(39)	364	Lime Rock + Calich
	364		383	Soapstone + Red Clay
5	383	22	405	Sandstone & Some Red Clay
10	405		420	Bed Bed
		4.11		
			3 15	Super Gel X -3
1				Hole Mug -6
		111		Penna Phing -1
				43/4 Drag Black -1
	11.2		11	
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Application for Change in Point of Diversion

Water Right, File No. 41295 & 42758

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

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

May 24, 2024

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

Garden City Field Office Divison of Water Resources

Garden City, Kansas 67846

Dear Mike:

RE:

We have completed a review of the applications for the above referenced water rights. 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 aguifer model, which is considered to be the best information on well and aguifer 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 some of the neighboring 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.

> Jason L. Norquest Assistant Manager

GMD3 Change Review

File No(s).: 41295, 42758	DWR office: GC.										
App filed to change: <u>PD</u> .											
Is Landowner(s) correct in WRIS: Warren Willis.											
If NO, is documentation included?											
Is Water Use Correspondent correct in WRIS	\$?										
If NO, is documentation included?	<u>.</u>										
Regulation(s) Reviewed: KAR 5-23-3											
Point of diversion ID No(s) 04 being char	nged										
Tem of diversion 12 fre(b) <u>ov</u> coming one	500.										
ft. North ft. West											
Authorized PD 5010 2840	Sect 25-33-40										
Proposed PD 1664 1062	Sect 24-33-40										
Difference 1934 n 1778 e											
a2 + b2 = c2 3740356 3161284	2627.097 foot move NE										
GPS for proposed PD: Lat: 37.16077	Long: -101.61352.										
Is proposed PD stacking on existing WRs?	Keep overlap.										
Is Proposed PU overlapping existing WRs?	No Change .										
Neighboring certified well(s) notified:											
Name Van F Mangels Living Trust %Van	n & Lois Mangels (30589, 41057).										
Address 15305 Ohio st.											
Zip Omaha, NE 68116.											
Email: laurieh@pld.com Phone:											
Name Dwayne & Vickie Hull (42160).											
Address 1404 S Main St.											
Zip Hugoton, KS 67951.											
Email: vhull@pld.com Phone: .											
Domestic well(s) notified:											
Name .											
Address .											
Zip											
_											
Base Acres:											
Perfected Acres:											
Irr. Return-Flow%											
Morton County											
Both authorized 240AF/WR for total of 4	80AF @ 855gpm										
Current well around 400+'											
Proposed well depth of 373'											
348gpm calculated during 2022 GMD3 inspection											

GMD3 Change Review

2014-2023 avg reported use = 264.9AF/year

Is a waiver needed: Move is less than half mile. Minimum well spacing appears to be met. Analysis showed that the proposed move does not appear to create any critical wells.

Recommendation: <u>After review of available information</u>, it appears current area rules are met. Staff therefore recommends approval of the applications.

Water Rights and Points of Diversion Within 1 mile of point defined as: 1664 Feet N and 1062 Feet W of the Southeast Corner of Section 24 Twp 33S Rng 40W Located at: 101.613519 West Longitude and 37.160769 North Latitude

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> DWAYNE & VICKIE HULL

> 1404 S MAIN ST

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> HUGOTON KS 67951

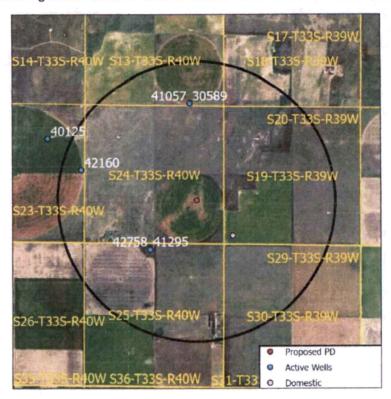
> WARREN M & AMANDA R WILLIS

> 613 ROAD N

42958 Application

Evaluation of proposed move for Water Right Nos. 41295 & 42758

Proposed: Move water right nos. 41295 & 42758 a distance of 2573 ft to the northeast.



Wells within 1 mile: 42160, 30589 & 41057, and a domestic well in section 19-33-39.

The saturated thickness at the proposed well location is estimated to be 276 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 = 0.154, T = 4222 ft²/day, $tp_{current} = 172$ days, $Q_{current} = 348$ gpm, $tp_{proposed} = 78$ days, $Q_{proposed} = 1855$ gpm

Theis drawdowns were calculated as follows:

42160: Drawdown from current location = 2.63 ft

Drawdown from proposed location = 6.02 ft

Net drawdown = 3.4 ft

30589_41057: Drawdown from current location = 2.13 ft

Drawdown from proposed location = 6.78 ft

Net drawdown = 7.9 ft

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Domestic 19-33-39:

Drawdown from current location = 3.03 ft

Drawdown from proposed location = 10.9 ft

Net drawdown = 7.9 ft

Net drawdown exceeds the drawdown allowance for the well authorized under water right nos. 30589 & 41057, and the domestic well in section19-33-39. Critical well analysis was performed for those wells.

Critical Well Evaluation:

30589 & 41057:

Water Column = 304 ft

DP = 4.65 ft (Net drawdown from the proposal indicated above)

DE = 5.1 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 37.1 ft (S = 0.1679, T = 5346.2 ft 2 /day, Q = 589 gpm, tp = 68 days, efficiency = 70%)

DT = 46.9 ft

Economic Drawdown Constraint (EDC) = 0.4 * 304 ft = 121.6 ft

Physical Drawdown Constraint (PDC) = 304 ft - 60 ft = 244.0 ft

Total drawdown of 46.9 ft is less than the EDC and the PDC, so this well is not critical.

Domestic 19-33-39:

Water Column = 287.3 ft

DP = 7.88 ft (Net drawdown from the proposal indicated above)

DE = 6.6 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DT = 14.5 ft

Economic Drawdown Constraint (EDC) = 0.4 * 287.3 ft = 114.9 ft

Physical Drawdown Constraint (PDC) = 287.3 ft - 20 ft = 267.3 ft

Total drawdown of 14.5 ft is less than the EDC and the PDC, so this well is not critical.

Conclusion:

The proposed move is in an area with abundant saturated thickness. The water rights' authorized rate and quantity is very large and if fully utilized, effects may be noticeable. Nearby wells with larger effects were analyzed and found to not be critical because there is sufficient saturated thickness to support current water uses. 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

May 10, 2024

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

Re:

Request for Recommendation

Water Right, File Nos. 41295 & 42758

Dear Mr. Norquest:

This is to advise you that Warren Willis has filed applications 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