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:
12130	8-20-21	C1	4	3
6. Status: Approved Deni	ied by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				8/6/2021
8a. Landowner, New to system □	Person ID 38927 Add Seq#	8c. Landown New to sy		Person ID Add Seq#
PERRY B & FRIEDA M K 2328 20TH RD COPELAND, KS 67837	OEHN			
8b. Landowner(s), correspondent New to system NICHOLAS C & CARLA C 2304 W RD COPELAND, KS 67837-86		8d. WUC New to sy	stem □	Person IDAdd Seq#
9. Documents and Enclosure(s): 🛛 DV	VR Meter(s) Date to Compl	y: 12/31/2021	N & P Date to	Comply: 3/1/2022
☐ Anti-Reverse Meter ☐ Meter	Seal 🛮 Check Valve	⊠ N & P Form	☑ Water Tube ☑ Di	riller Copy 🛛 H & E Letter
☐ Conservation Plan Date Require	ed: Da	te Approved:	Date to	Comply:
10. Use Made of Water From:		To: _		
See attached deed			Date Prepared: 8/17/2 Date Entered:	021 Ву: МАМ Ву:

File No.	12130)	11. County	: HS	Ва	sin: A	RKAN	SAS F	RIVER			St	tream:					,		Fo	rmation Co	de: 21	1 Special Use:	
12. Poin CHK MOD	its of Dive	ersion															and Qu	uantity		A	dditional			e.
	PDIV	Qualifier	S	Т	R	ID	(N	'W		Com	ment ((AKA l	_ine)		Rate	•	Quantit af	У	Rate	Quar		Overlap PD Files	
DEL	14074																							
ENT		SESWSW	26	27S	31W		6	6	452	3						900		384		900	38	4	NONE	
		(#)																						
13. Stora	age: Rate	-		NF	Qua	ntity					ac/ft	A	ddition	al Rat	e				NF	Addi	tional Quar	itity		_ ac/ft
Limit	ation:		af/yr	at				gpm (_				cfs) wh	hen co	mbine	d with	file nu	umber	(s)						
15. 5YR	Allocation	n: Allocation	Туре	_ s	tart Yea	r		5 YR	Amou	nt		Amo	ount Ur	nit	_	Base	Acres		_ Cd	omment _				
16. Plac	e of Use				N	E1/4			NV	11/4			SV	V¹/4			S	E1/4		Total	Owner	Chg?	Overlap Files	
MOD DEL	PUSE	S T R	ID	NE 1/4		SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4					
CHK 2																					8a, 8b	yes	No	
Base Ac	res:	Year:	1	Minimu	um Reas	sonable	e Quar	ntity:																
Commer	nts:																							



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

Mike Beam, Secretary

Laura Kelly, Governor

August 20, 2021

NICHOLAS C & CARLA J KOEHN 2304 W RD COPELAND, KS 67837-8016

RE:

Water Right, File No. 12130

Dear Sir and Madam:

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:

Perry and Frieda Koehn Trust

GMD3

CERTIFICATE OF SERVICE

On this 20th day of August 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 12,130 dated 20th day of August 2021 was mailed postage prepaid, first class, US mail to the following:

NICHOLAS C & CARLA J KOEHN 2304 W RD COPELAND, KS 67837-8016 Pc:

PERRY B & FRIEDA M KOEHN 2328 20TH RD COPELAND, KS 67837

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.

						ſ	File No). <u>1213</u>	30								RE	-CE 4:0 JN 1	8 2021
ı	Applicati under th	e water	right w	vhich is		☐ P ubject	lace o	f Use applic		n acco	Point	of Dive	ersion the co			Div	ision	n City of Wa	Field Office ster Resources
2.	Name ar	nd addre	ess of	Applic	ant: <u>P</u>	erry K	oehn												
3.	Phone N Name ar 1 825 Ro Phone N The pres	nd addre ad 5, P lumber: sently a	ess of rotection	Water on, KS) ed pla	Use C , 6712 ce of u	orresp 7-5409 use is:	onden		en Ma		Ra	Y101				678,	37-	89	6
	(If there is	,	ADDRI	ESS:			ıppleme	ental sh	neets as	s neces	sary.)								
				Г	Ξ½ Ι				N ¹ / ₄				V1/4			SE			TOTAL ACRES
Sec	. Twp.	Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
	If this ap Owner o	f Land -	NA ADDRI	AME: ESS:	1/10	hala.	54 (grle	a Koch	nd	K		use be		red 8 20	a Ki	Rd,	Tru 165	st etal
				NE	Ε1/4			N/	N1/4			SV	V1/4			SE			TOTAL
Sec	. Twp.	Range	NE¼	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE%	NW1/4	SW1/4	SE¼	ACRES
	For Offi	ce Use	Only:	Code		Fe	e \$ 2	00,0	○ TR	#		Re	eceipt	Date	0-18.	-21	Check	k#_	032

5.	Presently authorize	d point of	<u>diversion:</u>				
					Quarter of the		
	of Section	26	, Township	27	South, Range	31	(W),
	in Haskell	Co	unty, Kansas, 54	feet North	2735 feet West of S	Southeast corne	r of section.
					Depth of well		
	(DWR use only: Co	mputer ID	No. $\bigcirc 3$ GI	PS	feet North	feet We	est)
					No change, point better d		
		_			ed or if existing point is		
			-		Quarter of the		
					South, Range		
					4523 feet West of S		
					Proposed well depth (
					hts that will use this point		
Į	This point is. \square Add	illonal vve	Geo Center List o	other water rigi	nts that will use this point		
г							
6.	Presently authorize						
	One in the		Quarter of the		Quarter of the		Quarter
	of Section		, Township		Quarter of the South, Range		(E/W),
	in	Co	unty, Kansas,	feet North _	feet West of S	Southeast corne	r of section.
	Authorized Rate		Authorized Quantity		Depth of well	(fee	ŧt)
	(DWR use only: Co	mputer ID	No GI	PS	feet North	feet We	est)
	☐This point will not b	e changed	☐This point will be chang	ed as follows:	No change, point better de	escribed with GPS	as follows:
	Proposed point of	diversion:	(Complete only if chan	ge is requeste	ed or if existing point is	better describe	ed by GPS)
					Quarter of the		
	of Section		Township		South Pange		$(\vdash \land \land \land)$
	in	Co	unty Kansas	feet North	feet West of S	Southeast corne	r of section
	Proposed Rate	0	Proposed Quantity	1001 1401111 _	Proposed well depth ((feet)	1 01 0000011.
					hts that will use this point		
Ī	TITUS POINT 10 7 tuc	antional vvo	Occopenitor Flor	other water rigi	nto triat will ago trilo point		
7.	The changes herein	are desired	for the following reason	ns?			
5.5					North		
				300	200 100 0	100 200	300
						Juntanian III	" ""
0	If a wall is the test he	lo log ottoo	ned? X Yes No	E		- /-	ョ
Ο.	ii a weii, is the test no	ie iog attac	ied? Mites Mino	200	-1/4 + 1 = -1	1 + 1 +	200
9	The change(s) (was)(will be) com	pleted by?	E			
0.	me onange(e) (wae)(VIII 20) 0011	protod by .	[/, , , , =	1 1 1 1	1
				100	<i>†</i>	1 + 1 +	100
10.	If the point of diversio	n is a well:		#	=		===
	(a) What are you goi		h the old well?	West 0		գուվամիավու	0 East
	(a) Vinat are you go	ing to do wi	if the old well:	*		1 . 1	1
				. 1			7
	(b) When will this be	done?		100	+++=	1 + 1 +	100
	(b) When will the be	dono			=		/=
11	Croundwater Manage	mont Distric	et recommendation attache	200			200
11.	☐ Yes	No	a recommendation attache	ed? 200 E	= 1 1 1 =	' + ' 7	3200
	□ 163	△ NO		E		-/-	킄
12	Assisted by Alex Torra	ance		5			فسلت
				300	0 200 100 0 South	100 200 Scale: 1 hashma	300 ark=10 ft
13a			vill be relocated more than				
	a topographic map	eet of the ex or aerial n	isting point of diversion, a notograph. For groundv	uach 13b.If the	e proposed point of diversion radius of the existing point of	of diversion indi-	ed <u>within a 300</u> cate its location
	sources, show all well	s (including	domestic) within one-half	mile on th	ne diagram shown above ir	relation to the	existing point o

a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property 135. If the proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion, and the existing point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion will be relocated within a 300 on the diagram shown above in relation to the existing point of diversion.

14. If the proposed groundwater point of dive	rsion is 300 or fewer feet from the existing p	oint of diversion, complete the following:
	owners of the currently authorized place(s) o owners must sign this application.)	f use identified in this application?
affected if this application is approve		use identified in this application be adversely
	peditiously, will there be substantial damage owners must sign this application.)	to property, public health or safety?
	ust be signed by all owners of the currently	nange in point of diversion greater than 300 feet, authorized place of use, or their duly authorized
age and the owner, the spouse of the o	owner, or a duly authorized agent of t ght(s) to which this application perta	ler penalty of perjury, that I am of lawful the owner(s) to make this application on thins. I further verify that the statements of
Micholas Koehn (Please Print)	Carla	(Spouse) (Please Print)
(Owner)		(Spouse)
(Please Print)		(Please Print)
I hereby certify that the foregoing approf	olication was signed in my presence a ULIE JONES pintment Expires mber 15, 2022	nd sworn to before me this 18th day Notary Public
		ortions of the application form must be completed with must be affixed to the application and notarized; and
(2) Application to change a point of d		re\$100 \$200
DWR 1-121 (Revised 09/11/2019)	Page 3	File No

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

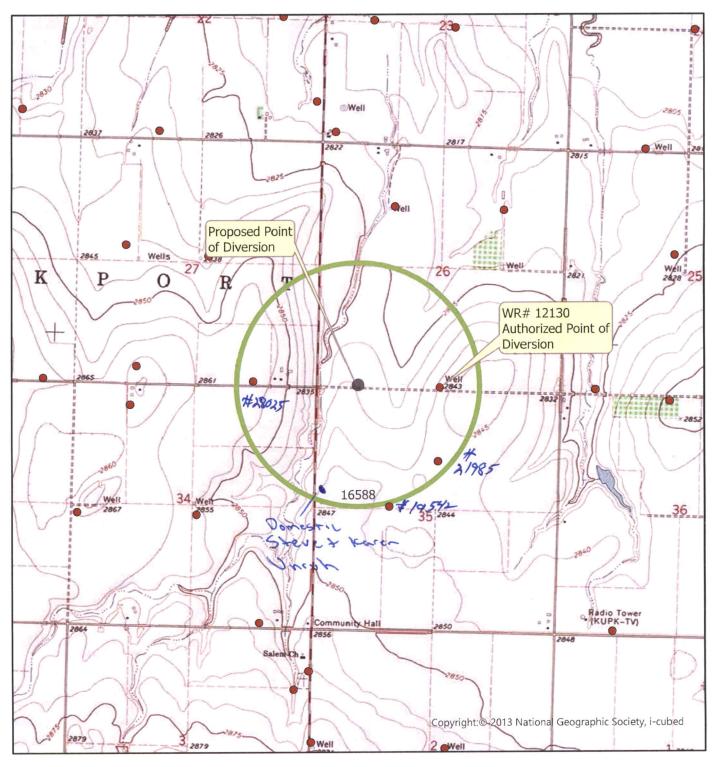
pro Wit Iimi	visions of the <i>Kansas Water Appropriation Law, K.S.A. 82a</i> -h the exception of those conditions expressly contained hereir tations of File No. <u>12130</u> .	8b, as amended, and K.A.R. 5-5-1, et seq. and other applicable 701 et. seq., and rules and regulations promulgated thereunder, n, this Summary Order does not change the terms, conditions and
1.	A change application was received on	requesting that the place of use and / or point of per be changed as described in the application.
2.	On and after the effective date of this summary order, the aut the topographic map accompanying the application to cha	horized place(s) of use shall be located substantially as shown on nge the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing righ previously authorized. The point of diversion authorized b radius of the authorized point(s) of diversion. Applicab	ts and shall be limited to the same source or sources of water as y this summary order shall be located within a foot le Not Applicable
4.	Positioning System (GPS), as described in the application	
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion. Applicable N	be located more than feet from the previously ot Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a wor other device suitable for making water level measureme K.A.R. 5-6-13. Applicable Not Applicable	rell with a diversion rate of 100 gallons per minute or more, a tube nts shall be installed, operated and maintained in accordance with
7.	December 31, 20 2 , or before the first use of water, operated and maintained in accordance with K.A.R. 5-1-4	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 water ng 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 \(\sigma\) Not Applicable	completed on or before December 31, 20, or within any applicant shall notify the Chief Engineer that construction of the ded by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requi	red notice.
10.	with an in-line, automatic, quick-closing check valve capal	oreign 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 Not Applicable
11.	Additional Conditions are attached. Yes	
12.	water appropriated under the above-referenced file numb limitations, as amended and/or supplemented by this Sun Appropriation Law and the Rules and Regulations promu	.R. 5-5-14, all of the owners of the authorized place(s) of use of over 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 be ended, and/or the suspension or revocation and dismissal of the ons authorized by law.
	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
If v	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND
you	may request an evidentiary hearing before the Chief	SUMMARY ORDER ISSUED
	gineer or request administrative review by the Secretary of iculture. A request for hearing by the Chief Engineer must be	By: Myhild Me
filed	d 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.A. 77-531. Any request for administrative	(Print Name): MICHAEL A MONTH
	ew 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 Ďivision, 1320 Research Park Drive, Manhattan, KS 02. Failure to timely request a hearing or review may	Date of Issuance:
pre	clude review under the Kansas Judicial Review Act.	State of Kansas)) SS
	For Use by Register of Deeds	County of Amney)
		Acknowledged before me on August 20, 202
		by Michael A. Meyer
		Signature: Notary Public
		My commission expires My Appeintment Expires Wy Appeintment Expires Pueuc Notary December 15, 2022

Page 4

File No. ____

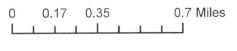
DWR 1-121 (Revised 09/11/2019)

CHANGE IN POINT OF DIVERSION 12130



Township 27 South Range 31 West HS County

All wells of any kind within a half mile of the proposed point of diversion are shown:





Created By: AT/GCFO



-100.685892

			LOGGER: DRILLER	: ROCKY			WO:	21-291
TW	FROM	то	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	2	TOPSOIL	SOFT	DARK BROWN	FAST		SMOOTH
	2	17	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	17	35	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	35	67	FINE SAND W/ SANDY CLAY	SOFT	TAN	FAST		VIBRATION & SMOOTH
	67	82	GREEN & WHITE CLAY	SOFT	GREEN & WHITE	FAST		SMOOTH
	82	101	SANDY CLAY W/ FINE SAND	SOFT		FAST		SMOOTH & VIBRATION
	101	114	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	114	155	FINE-MED-LARGE GRAVEL W/ BIG ROCKS	HARD		SLOW		CHATTER
	155	168	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	HARD		FAST		CHATTER
	168	178	FINE-MED-COARSE SAND W/ FINE-MED-LARGE & BIG ROCKS	HARD		SLOW		CHATTER
	178	219	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		CHATTER
	219	220	*KELLY FREE FELL*					
	220	223	SANDY CLAY	SOFT	TAN	FAST		ѕмоотн
	223	227	YELLOW SOAPSTONE	SOFT	YELLOW	FAST		VIBRATION
	227	235	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & CEMENTED SAND	HARD		SLOWER		CHATTER
	235	248	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	248	269	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		CHATTER
	269	276	FINE SAND W/ CLAY	SOFT		FAST		VIBRATION & SMOOTH
	276	282	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		CHOPPY & VIBRATION
	282	285	WHITE CLAY	HARD	WHITE	SLOW		FAST CHATTER
	285	288	CLAY FLT.	STIFF	BLACK	SLOW		sмоотн
	288	304	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	304	314	SANDY CLAY	SOFT	BROWN	FAST		ѕмоотн
	314	326	FINE-MED-COARSE SAND W/ FINE GRAVEL 12	STIFF		FAST		FAST CHATTER
	326	331	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	331	351	FINE-MED-COARSE SAND 20	FIRM		FAST		FAST CHATTER
	351	355	SANDY CLAY W/ FINE SAND 2	SOFT		FAST		CHATTER
Ì	355	393	FINE-MED-COARSE SAND W/ FINE GRAVEL 35	STIFF		FAST		CHATTER
	393	477	SANDY CLAY W/ FINE SAND	SOFT		FAST		ѕмоотн
1	477	495	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	HARD		FAST		CHATTER
	495	502	BROWN ROCK W/ FINE-MED GRAVEL	HARD	BROWN	FAST		CHATTER
	502	520	WEATHERED SHALE	SOFT	YELLOW	SEMI- SLOW		SMOOTH
	520	538	SHALE 01	SOFT	BLUE	SLOW		SMOOTH
	538	545	SOAPSTONE	FIRM	GRAY	SLOW		SMOOTH
	545	560	SHALE	SOFT	BLUE	SLOW		SMOOTH

HAS/COUNTY OFFICE THE 22

Michilar Rad C3837

This deed is mark
of the Helen M. De'
Nicholas Colletenants
one



STATE OF KANSAS, HASKELL COUNTY This instrument was filed for record on April 22, 2021 3:31 PM and

Recorded in Book 250 Page 7-8 Fees: \$38.00 202100266

Candy Huffine



TRUSTEE'S DEED

This deed is made on April <u>/3</u>, 2021 between Helen M. Dale, Trustee of the Helen M. Dale Living Trust dated March 3, 1997, as Grantor; and, Nicholas Colten Koehn and Carla Jane Koehn, husband and wife, as joint tenants with right of survivorship and not as tenants in common, an undivided one-half interest; and, Perry B. Koehn and Frieda M. Koehn, Trustees of the Perry and Frieda Koehn Trust under Agreement dated 12/06/2012, an undivided one-half interest, as Grantees.

Grantor represents and warrants that:

- 1. Helen M. Dale is Trustee of the Helen M. Dale Living Trust dated March 3, 1997. The Trust has not been revoked and remains in effect.
- 2. The Trust owns the interest in real property described in this deed. The terms of the Trust authorize the Trustee to sell and convey real estate included in the trust estate without limitation or qualification.

For valuable consideration, Grantor hereby grants, bargains, sells and conveys the undivided interest of the Helen M. Dale Living Trust dated March 3, 1997 in the real estate located in Haskell County, Kansas described as:

The South Half (S/2) of Section Twenty-six (26), Township Twenty-seven (27) South, Range Thirty-one (31) West of the Sixth Principal Meridian, Haskell County, Kansas, including mineral and water rights,

an undivided one-half (1/2) to Nicholas Colten Koehn and Carla Jane Koehn, husband and wife, as joint tenants with right of survivorship and not as tenants in common; and, an undivided one-half (1/2) to Perry B. Koehn and Frieda M. Koehn, as Trustees of the Perry and Frieda Koehn Trust under Agreement dated 12/06/2012.

To have and hold the above granted real estate with all privileges and appurtenances thereto belonging to the Trust conveyed to Grantees, subject to oil and gas leases, easements, right of ways and restrictions of record.

RECEIVED

AUG 2 0 2021

Trustee's Deed – Helen M. Dale Living Trust/Koehn, et al. Page 2.

HELEN M. DALE LIVING TRUST DATED MARCH 3, 1997

By: Aula M. Dale. Trustee

STATE OF KANSAS, COUNTY OF COMANCHE, SS:

On April <u>/3</u>, 2021, before me, the undersigned, a Notary Public in and for the State of Kansas came Helen M. Dale, personally known to me to be the same person who executed the within instrument of writing "Trustee's Deed", and she signed and duly acknowledged execution of the writing as Trustee of the Helen M. Dale Living Trust dated March 3, 1997.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.

Charles H. Herd

NOTARY PUBLIC

State of Kaneus

Ry Synt Rysty /2 -/0-23

Notary Public

My appointment expires:

December 10, 2023



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

August 12, 2021

Mike 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. 12130

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 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 (dependent on the sections saturated thickness), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that several of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. The evaluations from our data showed that the effects could be mitigated with limitations to the proposed well. We did not receive any comments from neighbor notices. Therefore, GMD3 sees this move as meeting current rules and would recommend approval with possible limitations or 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

GMD3 Change Review

File No(s).: 12130.

DWR office: GC.

Phone: 620-272-1398.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Perry Koehn.

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) 03 being changed.

	ft. North	ft. West	
Authorized PD	54	2735	Sect 26-27-31
Proposed PD	66	4523	
Difference	-12 n	-1788 w	
a2 + b2 = c2	144	3196944	1788.04 foot move NW

GPS for proposed PD: Lat: <u>37.663886</u> Long: <u>-100.685892</u>.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: ___.

Name Orvill L Williams (1207).

Address 11304 BB RD.

Zip <u>Montezuma, KS 67867</u>.

Email: <u>osjtbmks@ucom.net.</u> Phone: <u>620-846-0260.</u>

Name Samuel Unruh Jr (3384, 16349).

Address 105 South Appache Dr. Zip Montezuma, KS 67867.

Email: samjanfarm@gmail.com.

Name G&L Fund %Jeff Unruh (3582, 28025).

Address 3051 A RD.

Zip Copeland, KS 67837.

Email: rocku@ucom,net. Phone: 620-668-5469.

Name Cottonwood Tree Farms LLC (9327, 41445).

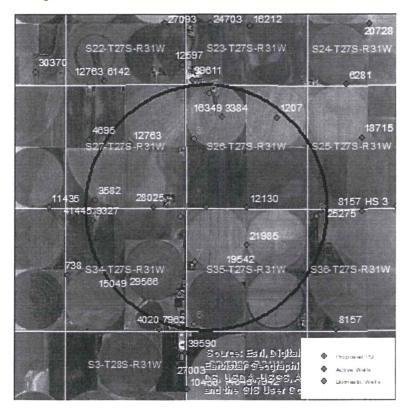
Address PO Box 307.

Zip Smith Center, KS 66967.

Email: gnewdigger@thepeoplesbank.net. Phone: 620-933-2318.

Evaluation of proposed move for Water Right No. 12130

Proposed: Move water right no. 12130 to a location 1,792 ft west.



Wells within 1 mile: 3384 & 16349, 1207, 3582, 28025, 12763, 25275, 9327 & 41445, 15049 & 29566, 21985, 19542, and eight domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 194 ft, based upon the driller's log and an observation well in section 36-27-31. Observation wells and driller's logs indicate that saturated thickness in the area ranges from 70 ft to 267 ft. Saturated thickness and drawdown allowance is listed at each well location below.

50 year Theis Analysis: The following values were used to run the analysis:

S = 0.25, T = 15,600 ft²/day, $tp_{current} = 36.5$ days, $Q_{current} = 200$ gpm, $tp_{proposed} = 96.5$ days, $Q_{proposed} = 900$ gpm

Theis drawdowns were calculated as follows:

3384 & 16349: Saturated thickness = 70 ft

Drawdown allowance = 1.5 ft

Drawdown from current location = 0.12 ft

Drawdown from proposed location = 1.38 ft

Net drawdown = 1.3 ft

1207:

Saturated Thickness = 159 ft

Drawdown allowance = 3.5 ft

Drawdown from current location = 0.12 ft

Drawdown from proposed location = 1.19 ft

Net drawdown = 1.1 ft

3582:

Saturated Thickness = 197 ft

Drawdown allowance = 3.5 ft

Drawdown from current location = 0.08 ft

Drawdown from proposed location = 1.21 ft

Net drawdown = 1.1 ft

28025:

Saturated thickness = 213 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.12 ft

Drawdown from proposed location = 2.00 ft

Net drawdown = 1.9 ft

12763:

Saturated thickness = 224 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.09 ft

Drawdown from proposed location = 1.31 ft

Net drawdown = 1.2 ft

25275:

Saturated thickness = 117

Drawdown allowance = 2.5 ft

Drawdown from current location = 0.14 ft

Drawdown from proposed location = 1.16 ft

Net drawdown = 1.0ft

9327 & 41445:

Saturated thickness = 193 ft

Drawdown allowance = 3.5 ft

Drawdown from current location = 0.08 ft

Drawdown from proposed location = 1.19 ft

Net drawdown = 1.1 ft

15049 & 29566:

Saturated thickness = 250 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.09 ft

Drawdown from proposed location = 1.27 ft

Net drawdown = 1.2 ft

21985:

Saturated thickness = 231 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.27 ft

Drawdown from proposed location = 1.94 ft

Net drawdown = 1.7 ft

19542:

Saturated thickness = 231 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.16 ft

Drawdown from proposed location = 1.80 ft

Net drawdown = 1.6 ft

Domestic 1:

Saturated thickness = 213 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.13 ft

Drawdown from proposed location = 2.36 ft

Net drawdown = 2.2 ft

Domestic 2: Saturated thickness = 108 ft

Drawdown allowance = 2.5 ft

Drawdown from current location = 0.10 ft

Drawdown from proposed location = 1.20 ft

Net drawdown = 1.1 ft

Domestic 3: Saturated thickness = 222 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.13 ft

Drawdown from proposed location = 1.69 ft

Net drawdown = 1.6 ft

Domestic 4: Saturated thickness = 193 ft

Drawdown allowance = 3.5 ft

Drawdown from current location = 0.15 ft

Drawdown from proposed location = 3.04 ft

Net drawdown = 2.9 ft

Domestic 5: Saturated thickness = 267 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.10 ft

Drawdown from proposed location = 1.40 ft

Net drawdown = 1.3 ft

Domestic 6: Saturated thickness = 231 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.09 ft

Drawdown from proposed location = 1.18 ft

Net drawdown = 1.1 ft

Domestic 7:

Saturated thickness = 231 ft

Drawdown allowance = 4.0 ft

Drawdown from current location = 0.14 ft

Drawdown from proposed location = 1.94 ft

Net drawdown = 1.8 ft

Domestic 8:

Saturated thickness = 177 ft

Drawdown allowance = 3.5 ft

Drawdown from current location = 0.15 ft

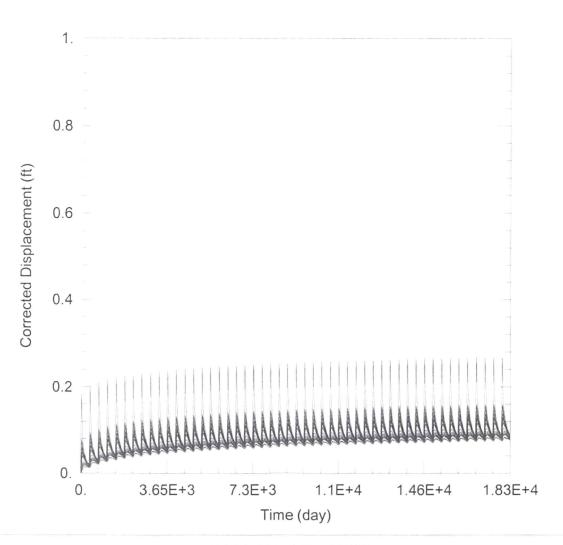
Drawdown from proposed location = 1.21 ft

Net drawdown = 1.1 ft

Net drawdown does not exceed the drawdown allowance for wells within 1 mile of the proposed change. Critical well analysis is not necessary.

Conclusion:

The proposed well location is within an area that the GMD3 model predicts will have large water level declines over the next 25 years. This regional decline is likely to significantly reduce the pumping capacity of some neighboring wells. Aquifer conditions, including remaining saturated thickness, transmissivity, and specific yield, appear to vary in the area, making a reliable evaluation difficult to conduct. The effects estimated in this report are based on the aquifer characteristics identified in the driller's log at the proposed well location. The evaluation shows that the well operated under its proposed conditions will likely have minimal interaction effects on neighboring wells, so GMD3 staff recommends approval of the application. Concerned neighbors should contact either GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901 if they would like to put their concerns on record. Otherwise, the application may be approved as proposed.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\12130\12130 Current Updated T.aqt Date: 08/20/21 Time: 11:30:21

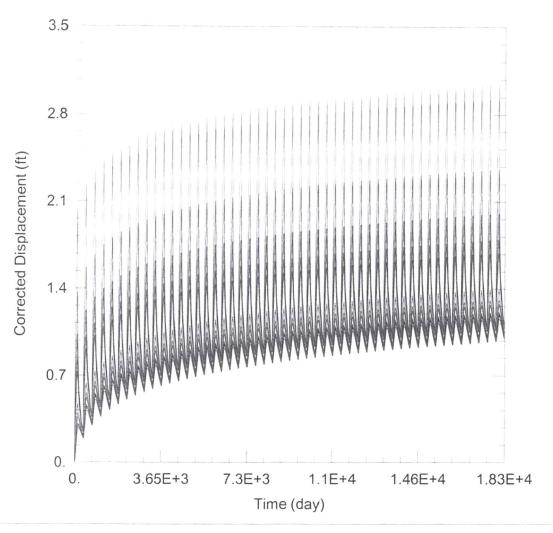
PROJECT INFORMATION

Company: GMD 3 Project: 12130

Location: Haskell County

WELL DATA

Pur	nping Wells		Observ	Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)	
Proposed_PD	34662	287251	G.	34662	287251	
			3384 & 16349	33586	291161	
			□ 1207	35960	291142	
			3582	28033	287561	
			28025	30581	287283	
			· 12763	29536	289987	
			25275	38049	287292	
			9327 & 41445	27918	286712	
			15049 & 29566	29426	284350	
			21985	34664	285638	
			19542	33624	284628	
			Domestic 1	31079	287546	
			Domestic 2	32987	292186	
			Domestic 3	32353	290203	



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\12130\12130 Proposed Updated T.aqt

Date: 08/20/21 Time: 11:30:10

PROJECT INFORMATION

Company: GMD 3 Project: 12130

Location: Haskell County

WELL DATA

Pu	imping Wells	
Well Name	X (ft)	Y (ft)
Proposed_PD	32870	287262

Observat	ion Wells	
Well Name	X (ft)	Y (ft)
	32870	287262
3384 & 16349	33586	291161
1207	35960	291142
3582	28033	287561
28025	30581	287283
12763	29536	289987
25275	38049	287292
9327 & 41445	27918	286712
15049 & 29566	29426	284350
21985	34664	285638
□ 19542	33624	284628
Domestic 1	31079	287546
Domestic 2	32987	292186
Domestic 3	32353	290203

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7,384.
> 105 SOUTH APACHE DR
> MONTEZUMA KS 67867
>------
  G & J FUND
                    3582
> JEFF UNRUH
> 3051 A RD
> COPELAND KS 67837
>-----
  COTTONWOOD TREE FARMS LLC
> HASKELL CO/SHON UNRUH
> PO BOX 307
> SMITH CENTER KS 66967
> HELEN MAE DALE
                      12130 $ Application
> 1825 ROAD 5
> PROTECTION KS 67127
>-----
  WILDHAWK FARMS
                       12763 /
> JARVIS GARETSON
> 695 RD XX
> COPELAND KS 67837
>-----
  HIGH PLAINS RANCH LLC
> 12225 E HIGHWAY 160
> SATANTA KS 67870
> SAMUEL UNRUH JR
> 105 SOUTH APACHE DR .
> MONTEZUMA KS 67867
>-----
> WILDHAWK FARMS
                       19542
> JARVIS GARETSON
> 695 RD XX
> COPELAND KS 67837
>------
> WILDHAWK FARMS
> JARVIS GARETSON
> 695 RD XX
> COPELAND KS 67837
> MICHAEL T & JUDITH K OBRATE
> 1325 HINEMAN
> GARDEN CITY KS 67846
> G & J FUND
> JEFF UNRUH
> 3051 A RD
> COPELAND KS 67837
>-----
> HIGH PLAINS RANCH LLC
                       29566
> 12225 E HIGHWAY 160
> SATANTA KS 67870
> COTTONWOOD TREE FARMS LLC
> HASKELL CO/SHON UNRUH
> PO BOX 307
> SMITH CENTER KS 66967
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Garden City Field Office 2508 Johns Street Garden City, KS 67846-2804



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

July 26, 2021

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO. 3 409 CAMPUS DRIVE, SUITE 106 GARDEN CITY KS 67846

Re: Water Right File No. 12130

Dear Mr. Norquest;

This is to advise you that Perry Koehn has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file.

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

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

Sincerely,

Michael A. Meyer Water Commissioner

MAM Enclosures

Theis analysis of change in point of diversion, File No. 12,130

A Theis analysis was used to evaluate the potential impacts of a change in point of diversion. The application proposes moving the point of diversion authorized by File No. 12,130 approximately 1,800 feet west. The 2068 projected saturated thickness (150 feet) from the GMD No. 3 groundwater model was used in conjunction with stratigraphic logs to estimate the transmissivity (6,891 ft²/day). The specific storage was assumed to be 10⁻⁵, which results in a storage coefficient of 0.0015. Drawdown resulting from pumping at the proposed rate and quantity at the new was evaluated at the point of diversion authorized by File No. 28,025. With these assumptions, the drawdown at File No. 28,025 increases by 12.8 feet, or 8.5% of the projected future saturated thickness (Table 1).

Table 1: Theis analysis of drawdown at File No. 28,025; T = 6,891 ft²/day; S = 0.0015

	Distance	Quantity		Drawdown	Drawdown
Scenario	(Feet)	(Acre-Feet)	Rate (GPM)	(Feet)	(%ST)
Proposed	2278	384	900	12.8	8.5%



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

Mike Beam, Secretary

Laura Kelly, Governor

June 23, 2021

JAMES R GARETSON TRUST Attn: MARTHA GARETSON 695 RD XX COPELAND, KS 67837

RE: Water Right, File No. 12130

Dear Sir or Madam:

This is to advise you that Perry Keohn has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced applications. An irrigation well is proposed to be relocated to the SE½SW¼SW¼ of Section 26, Township 27 South, Range 31 West, Haskell County.

You can find the complete applications posted by water right file number as referenced above at: www.Agriculture.ks.gov/DWRNotices

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

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

Sincerely,

Austin J. McColloch

Assistant Water Commissioner

AM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3





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

Mike Beam, Secretary

Laura Kelly, Governor

June 23, 2021

G & J FUND Attn: JEFF UNRUH 3051 A RD COPELAND, KS 67837-0125

RE:

Water Right, File No. 12130

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Sincerely,

Austin J. McColloch

Chat. Wall

Assistant Water Commissioner

AM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3





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

Mike Beam, Secretary

Laura Kelly, Governor

June 23, 2021

STEVE & KAREN UNRUH 650 WW RD COPELAND, KS 67837

RE: Water Right, File No. 12130

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Sincerely,

Austin J. McColloch

Assistant Water Commissioner

AM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3



Meyer, Mike [KDA]

From: Engelhaupt, David [KDA]

Sent: Friday, July 23, 2021 1:48 PM **To:** Meyer, Mike [KDA]

Cc: McColloch, Austin [KDA]

Subject: RE: 12130 theis **Attachments:** Theis 12130.pdf

Mike,

Theis evaluation for 12,130 is attached. The well hasn't been used in years, so I treated it like a new app and did not evaluate drawdowns at the current location.

The new well is drilled to 560 feet, but there is little transmissivity below 502 feet. Some of the surrounding wells encounter bed rock at around 420-450 feet. The Theis drawdown is well above even the shallower bed rock, because of this I believe our usual analysis remains appropriate without any additional adjustments for the variations in depth to bed rock.

Regards,

David Engelhaupt, P.E. Technical Services Supervisor Kansas Department of Agriculture Division of Water Resources (785) 564-6680

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>

Sent: Thursday, July 22, 2021 11:54 AM

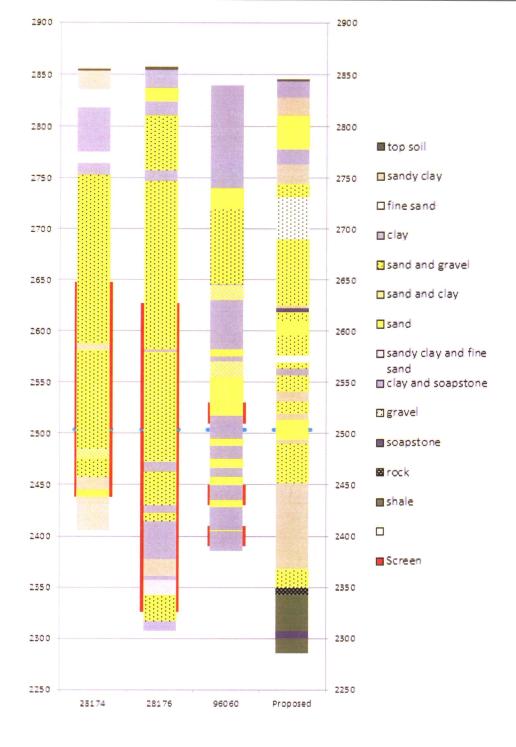
To: Engelhaupt, David [KDA] < David. Engelhaupt@ks.gov>

Subject: 12130 theis

David, the applicant called about this change app, where are we at with the report? just checking in.

thanks

Mike



Hydraulic Conductivity (Ft/day)

