Kansas Department of Agriculture Division of Water Resources CHANGE: P/D WORKSHEET

1. File Number: 22560-D2	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
6. Status: ☐ Approved ☐ Den	ied by DWR/GMD	Dismiss by Reques	st/Failure to Return	7. Filing Date of Change: 03/13/2020
8a. LANDOWNER, WUC, applicant New to system ☐ DUANE E & KATHLEEN PO BOX 897 GARDEN CITY, KS 6784		Sec. Correspo		Person ID Add Seq#
8b. Landowner(s), New to system □	Person ID Add Seq#	8d. corresponding New to sy		Person ID Add Seq#
9. Documents and Enclosure(s): Anti-Reverse Meter		⊠ N & P Form	☑ Water Tube ☑ [O Comply: 3/1/2021 Driller Copy
10. Use Made of Water From:		To: _		
			Date Prepared: 3/26/ Date Entered:	20 By: MAM By:

File No. 225	60-D2	11. County	: KE	Bas	sin: Al	RKAN	SAS R	RIVER		X.	S	tream:								rmation Code: 1/331	Special Use:	
12. Points of D CHK MOD	Diversion				1000											and Qu	uantity zed		A	dditional		
DEL PDIV	Qualifier	S	Т	R	ID		'N	'W		Com	ment	(AKA I	Line)		Rate		Quantity af	,	Rate		Overlap PD Files	
ENT	NESESW	35	25	35W			1394	34	85		1			W.	925		272		925	272	NONE	
DEL 54460																						
CHK 70900	NWSWSE	35	25	35W	N E		4372	39	945						875	5	272		875	272	NONE	
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13. Storage: R	ate		NF	Quar	ntity _					_ac/ft	А	dditior	nal Rat	e				NF	Addi	tional Quantity _	ac/f	t
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Limitation:		af/yr	at		20		gpm (_				cfs) w	hen co	ombine	ed with	n file n	umber	(s)					_
15. 5YR Allocat	tion: Allocation	туре	_ Sta	art Year			5 YR	Amou	int _		Amo	ount U	nit	TVT	Base	Acres		_ C	omment.			
16. Place of Us	se			NE	Ξ1/4			NV	N¹/4	- 11		sv	N¹/4			S	6E1/4		Total	Owner Cho	? Overlap Files	
MOD DEL	STR	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	NW 1/4	SW 1/4	SE 1/4			125	
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Base Acres:	Year:		Minimun	n Reas	onable	e Quai	ntity:															
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

March 31, 2020

DUANE E & KATHLEEN A KOSTER TRUSTS PO BOX 897 GARDEN CITY, KS 67846-0897

RE: Water Right, File No. 16405 and 22560-D2

Dear Sir and Madam:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in the approvals for change. A condition of the approvals 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/or installation of the required meter as soon as these actions are completed.

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

The abandoned wells 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

GMD3

CERTIFICATE OF SERVICE

On this 31st day of March 2020, I hereby certify that the foregoing Approvals of Application for Change in Point of Diversion, Water Right, File Nos. 16,405 and 22560-D2 dated 31st day of March 2020 was mailed postage prepaid, first class, US mail to the following:

DUANE E & KATHLEEN A KOSTER TRUSTS PO BOX 897 GARDEN CITY, KS 67846-0897

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.

						ı	File No	. <u>2256</u>	60-D2			artit	-E14446					M	RECEIVED 10:06 AM AR 13 2020
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5.	Presently authori	zed point of	diversion:	FELTS,	West -		spendanga or	re-familieux
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	of Section	35	, Township	25	So	uth, Range	35	(W),
	in KEARNY	Cou	inty, Kansas, <u>1200</u>	feet North	3960	_ feet West of	Southeast corne	er of section.
	Authorized Rate	•	Authorized Quantity		Dept	h of well	(fe	et)
	(DWR use only: 0	Computer ID	No. 3 GPS		feet	North	feet W	est)
	☐This point will not	be changed	☐This point will be changed	d as follows:	☐ No char	ge, point better	described with GF	S as follows:
	Proposed point o	f diversion: (Complete only if change	e is request	ed or if ex	isting point i	s better describ	ed by GPS)
	One in the	NE	Quarter of the	SE	Qu	arter of the	SW	Quarter
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	Proposed Rate		Proposed Quantity		Prop	osed well depth	(feet) 2 660	3'
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6.	Presently authorize							
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	of Section	35	, Township	25	So	uth, Range	35	(W),
	in KEARNY	Cou	inty, Kansas, <u>4372</u>	feet North	3945	_ feet West of	Southeast corne	er of section.
	Authorized Rate _		Authorized Quantity		Dept	h of well	(fee	et)
.	(DWR use only: (Computer ID	No. 7 GPS		feet	North	feet We	est)
	⊠This point will not	be changed	This point will be changed	as follows: [No chan	ge, point better	described with GP	S as follows:
	Proposed point of	f diversion: (Complete only if change	e is request	ed or if ex	isting point is	s better describ	ed by GPS)
	One in the		Quarter of the	1	Qu	arter of the		Quarter
	of Section		. Township		Soi	uth. Range		(E/W).
	in	Cou	inty, Kansas,	feet North		feet West of	Southeast corne	er of section.
	Proposed Rate		Proposed Quantity	a was lifting	Prop	osed well depth	(feet)	and the same bloom
			☐ Geo Center List oth					tric salo?
7.	The changes herei (please be specific)		for the following reasons		0 200	100 Nort	h 100 200	300
3.	If a well, is the test h	nole log attach	ed? 🛛 Yes 🔲 No	200	-1+	- <u>-</u> - <u>-</u>	 + +	200
9.	The change(s) (was)(will be) comm	pleted by?			11 单位重		3
		,(20) 55111	notod by .			=	TOP THE PARTY OF	, ∄
	UPON APPROVAL			100		1 + 1 =	1 + 1 +	100
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						_ =		
	PLUG/CAP			100	111	1+1=	1 4 1 4	100
	(b) When will this b	e done? <u>UPO</u>	N COMPLETION	100		' ' ≣	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
						I	127 PQG/4 m	3
11.			recommendation attached	? 200	-1+	1+1=	1+1+	200
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10	A				mlunhun	Industria.		
12.	Assisted by AM/GCI	-0		300		100 0	100 200	300
13a.	feet but within 2,640 a topographic map sources, show all we of the proposed poi	feet of the exist or aerial photells (including on the of diversion of the of t	ill be relocated more than 30 sting point of diversion, attactor of the street of the	ch 13b.If the er of th ile diagong diver	ne existing ram shown rsion. (PL	point of divers a above in re EASE NOTE:		d within 300 fee location on the disting point of ter of diagran

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

diversion.)

14. If the pro	oposed groundwater	point of diversion is 3	00 or fewer feet fro	m the existin	ng point of di	iversion, comple	te the foll	lowing:
(a) Doe		represent all owners of (If no, all owners m	the currently authonust sign this applic		s) of use ide	entified in this ap	plication?	
	cted if this application	rest of any owner of the on is approved as requ (If yes, all owners)) of use iden	ntified in this app	olication I	be adversely
(c) If thi		approved expeditiously (If no, all owners m	y, will there be subs		age to prope	erty, public health	or safet	y?
or a change i	in place of use, the	face water change in p application must be siç tt authorizing represen	gned by all owners					
age and the	e owner, the spo f, in regards to t	luly sworn upon m use of the owner, o he water right(s) to n are true, correct	or a duly authorized which this appleand complete.	zed agent lication pe	of the owr ertains. If	ner(s) to make	this ap that the	plication on statements
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County of		SS						
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of MA	RCH Hat the 10	20.			And Swo	in to before i	10 1113	10 day
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iviy Commissi	ion Expires 1 -	1 2021		The second	ohy 44a su	erranacietà sessi	Audaba	
accurate inform	ETE APPLICATIONS nation; maps, if necess fee must be paid.	WILL BE PROCESSED. sary, must be included; si	To be complete, all cignatures of all the ap	f the applicab propriate own	le portions of ers' must be	the application for affixed to the appli	m must be cation and	e completed with notarized; and
			FEE SCHEDU	E				
Fach applicat	tion to change the p	lace of use or the poin		THE RESERVE OF THE PARTY OF THE	shall be ac	companied by th	ne applica	ation fee set
forth in the sc (1) A (2) A	chedule below: Mak Application to chang Application to chang	e checks payable to: e a point of diversion of e a point of diversion re the place of use	Kansas Departme 300 feet or less more than 300 feet	nt of Agricu	ulture	v9 \ 1430и		\$100
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SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

pro	s Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, et seq. and other applicable visions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, h the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and tations of File No. 22560-D2
1.	A change application was received on March 13, 2020 requesting that the place of use and / or point of diversion authorized under the above-feferenced file number be changed as described in the application.
2.	On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable
3.	The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4.	The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable
5.	The point(s) of diversion authorized herein shall not actually be located more than feet from the previously authorized point(s) of diversion Applicable \(\begin{align*} \text{ Applicable} \) Not Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
7.	The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20 30, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
8.	Installation of the works for diversion of water shall be completed on or before December 31, 20 20, or within any authorized extension of time. By March 1, 20 2/ the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable \(\subseteq \text{Not Applicable} \)
9.	The completed well log shall be submitted with the required notice. Applicable Not Applicable
10.	All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11.	Additional Conditions are attached. Yes No
12.	In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the <i>Kansas Water Appropriation Law</i> and the <i>Rules and Regulations</i> promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.
1	Administrative Appeal and Effective Date of Order FOR OFFICE USE ONLY
you Eng Agri filed adm day revie File Leg 665	APPLICATION APPROVED AND SUMMARY ORDER ISSUED in are aggrieved by this order, pursuant to K.S.A. 82a-1901, may request an evidentiary hearing before the Chief ineer or request administrative review by the Secretary of culture. A request for hearing by the Chief Engineer must be within 15 days of service of this Order and a request for hinistrative review by the Secretary must be filed within 30 so pursuant to K.S.A. 77-531. Any request for administrative ew must state a basis for review pursuant to K.S.A. 77-527. any request with Kansas Department of Agriculture, all Division, 1320 Research Park Drive, Manhattan, KS on 2. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act. Every Use by Register of Doods APPLICATION APPROVED AND SUMMARY ORDER ISSUED SUMMARY ORDER ISSUED Duly Authorized Designee of the Chief Engineer (Print Name): Division of Water Resources - Kansas Department of Agriculture Date of Issuance: State of Kansas) SS
	For Use by Register of Deeds County of Finney Acknowledged before me on March 31, 2120
	NOTARY PUBLIC STATE OF KANSAS Kerri Ralston 8/21 My Commission Expires 5/18/21 My commission expires: 5/18/21 (Notary Seal)
	(rotal) coal)

DWR 1-121 (Revised 04/5/2018)

Page 4

File No. :

Downey Drilling Inc.

CUSTOMER NAME: SOUTHWEST AG

G-53

LEGAL: SW 35-25S-35W

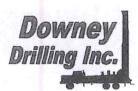
COUNTY: KEARNY

GPS: 37.832234

TEST HOLE #2

-101.13429

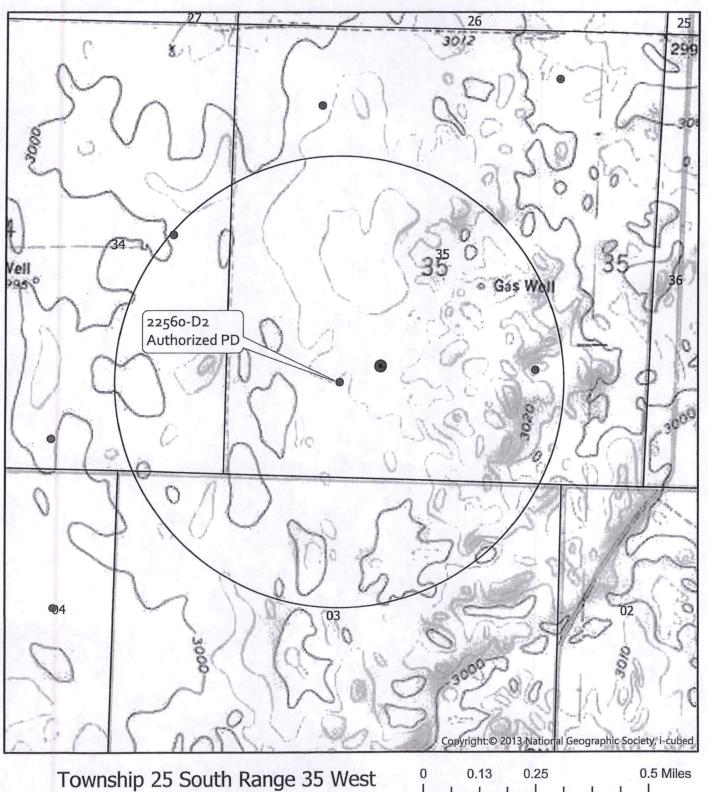
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+	47	90	FINE-MEDIUM-COARSE SAND AND SMALL-MEDIUM-LARGE GRAVEL	LOOSE HARD IN		FAST		ROUGH SMOOTH AND A
1	90	122	FINE-MEDIUM-COARSE SAND, SMALL GRAVEL, AND A FEW CLAY LAYERS	PLACES .		SLOW		LITTLE CHATTER
	122	189	SANDY CLAY WITH A FEW SAND STRIPS	FAIR	BROWN	SLOW		SMOOTH AND A LITTLE CHATTER
	189	199	FINE-MEDIUM-COARSE SAND AND SMALL GRAVEL	FAIR		FAST		CHATTER
	199	216	SANDY CLAY WITH A COUPLE SAND STRIPS	FAIR	BROWN	SLOW		SMOOTH AND A LITTLE CHATTER
	216	228	FINE-MEDIUM-COARSE SAND	FAIR		FAST		CHATTER
	228	261	SANDY CLAY STATIC .	STICKY IN PLACES	BROWN	SLOW		ѕмоотн
	261	314	FINE-MEDIUM SAND WITH MANY CLAY LAYERS	STIFF	BROWN	SLOW		VIBRATION AND SMOOTH
	314	320	FINE-MEDIUM-COARSE SAND	FAIR	ar.	FAST		CHATTER
	320	348	CLAY	STICKY	TAN	SLOW		SMOOTH
	348	371	FINE-MEDIUM SAND	FAIR		FAST		VIBRATION
	371	376	FINE-MEDIUM-COARSE SAND	FAIR	1	FAST		CHATTERY
	376	385	CLAY	STICKY	TAN	SLOW		SMOOTH
	385	407	FINE-MEDIUM SAND	FAIR		FAST		VIBRATION
	407	415	CLAY	STICKY	TAN	SLOW		SMOOTH
	415	440	FINE-MEDIUM SAND	FAIRLY LOOSE	1 55	FAST		VIBRATION
	440	461	SOAPSTONE	STICKY	YELLOW	SLOW		SMOOTH
	461	480	SANDSTONE AND SOAPSTONE	TIGHT		SLOW		VIBRATION AND CHOPPY
	480	490	SOAPSTONE	STICKY	YELLOW AND GRAY	SLOW	-	SMOOTH
	490	493	BROWN ROCK LEDGE	HARD	BROWN	SLOW		ROUGH
7					BLUEISH			
-	493	526	SHALE	HARD	GRAY	SLOW		CHOPPY VIBRATION AND
4	526	650	SANDSTONE WITH SOME BROWN ROCK LEDGES - HARD IN PLACES	LOOSE		FAST		CHOPPY
1	650	653	SHALE	TIGHT	BLUE	SLOW		СНОРРУ
1	653	660	SANDSTONE AND BROWN ROCK - HARD IN PLACES	LOOSE		FAST	-	VIBRATION
1	660	680	SHALE	HARD	BLUE	SLOW		СНОРРУ
1								
1			QUIK GEL - 24					
1			EZ MUD - 1 GAL.					
1	AT 1		CASING SEAL - 1					
-			HOLE PLUG - 2					
1		N. All	9000 GAL. WATER					
1							-	
1		1112						
		1						



Well Design & Construction "PROPOSED"

Customer Name:	SOUTHWEST AG	M-53	
Legal: SW 35-25S	-35W	County: KEARNY	
GPS: 37.832234		Date:	
-101.13429		WO #:	
DRILLER: ISAAC AND C		WATER SUPPLY: NEARBY I	RRIGATION WELL
HELPER(S):		DRILLING RIG: M-100	La de La Laboration
BOREHOLE DIAMETER	R: 30"	DRILLING METHOD: REVERSE	CIRCULATION
CASING DIAMETER	R: 16"	QUIKGEL: TBD HOLE	PLUG: 20'
TOTAL WELL DEPTH	l: <u>675'</u>	GRAVEL: 135+ T. 3 LOADS #	1 COARSE
DRILLING FLUID	the state of the s	AVEL SUPPLIER: HUBER 2 LOADS	#1 C #1 F 70/30 MIX
ADDITIONAL INFO):		
CPOUT			
GROUT AND		SCREET	AND
GRAVEL		CASING	
GRAVEL	_IRRIGATION W		•
0' 1" SOUNDER TUBE	N 404	4" GRAVEL TUBE	2'
0001104111002			
SURFACE		36" X 20' CMP	
SEAL		SURFACE CASING	
(HOLE PLUG)		WITH CEMENT GROUT	
20'			
20			
		All to the beautiful to the second	
		GRAVEL TUBE	
		STOPS AT 40'	
		16" .250 WALL	
		PLAIN	
		STEEL CASING	
GRAVEL			
PACK			
		1 In the second	- 305'
		16" JOHNSON	
		.080 SLOT AGRI SCREEN PLUS	
		AGNI SCILLEN FLOS	
			- 465'
		16" .250 WALL	
		.060 X104	
		PERF CASING	
			- 545'
		16" JOHNSON	
		.050 SLOT	
SOUNDER TUBI		AGRI SCREEN PLUS	
STOPS AT 66	0'		- 665'
		16" .250 WALL	
6751		PLAIN STEEL CASING	6751
675'		(SUMP)	675'

CHANGE IN POINT OF DIVERSION FILE NO. 22560-D2



Kearny County

POINT OF DIVERSION

All wells within a 1/2 mile are shown:

PROPOSED PD

Created By: AM/GCFO

SW AG G-53 Legend Feature 1 Feature 2 SW Ag G=53 SW 1/4 Sec. 35-25-35W 37.832234, -101.13429 Google Earth 1000 ft



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

March 31, 2020

Austin J. McColloch 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. 22560 D2

Dear Austin:

We have completed a review of the application for the above referenced water right. The proposed changes 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 none of the neighboring wells exceeded the net effect on neighboring wells above the maximum allowable threshold. Our office did not receive any comments from neighboring well owners. 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

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MAR 3 0 2020

Garden City Field Office Division of Water Resources

GMD3 Change Review

File No(s).: 22560 D2.

DWR office: GC.

App filed to change: PD_.

Is Landowner(s) correct in WRIS: Duane & Kathleen Koster.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? __.

If NO, is documentation included?

Regulation(s) Reviewed: KAR5-23-3

Point of diversion ID No(s) 03 being changed.

	ft. North	ft. West		
Authorized PD	1200	3960	Sect 35-25-35	
Proposed PD	1394	3485		
Difference	-194 n	475 e		
a2 + b2 = c2	37636	225625	513.0897 foot move NE	

GPS for proposed PD: Lat: <u>37.832234</u> Long: <u>-101.13429</u>.

Is proposed PD stacking on existing WRs? No .

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: __.

Name White Enterprises Inc. %Thomas James White ET AL (23662 DE).

Address <u>1878 Road 180</u>.

Zip <u>Lakin, KS 67860</u>.

Name Premier 4 Farms (21767).

Address PO Box 518.

Zip Hugoton, KS 67951.

Name David Krause (22639).

Address PO Box 252. Zip Plains, KS 67869.

Domestic well(s) notified: __.

Name _

Address __

Zip __.

Base Acres: __.

Perfected Acres: __.

Irr. Return-Flow ___%

Is a waiver needed: Move less than half mile and minimum spacing is met to neighboring wells.

GMD3 Change Review

Recommendation: <u>Proposed change meets current area rules.</u> The analysis predicts minimal effect on neighboring wells, well within the effects criteria. No response from the neighbor notices. Staff therefore recommends approval of the application.

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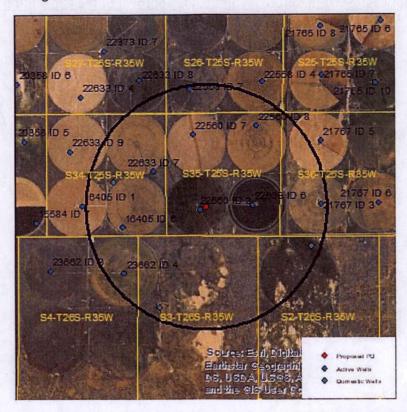
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MAR 3 0 2020

Garden City Field Office Division of Water Resources

Evaluation of proposed move for Water Right No 22560 D2

Proposed: Move water right no. 22560 D2 ID 3 a distance of 305 ft to the northeast.



Wells within 1 mile: 22560 ID 7, 22560 ID 8, 22639 ID 6, 22558 ID 7, 22633 ID 7, 16405 ID 6, 23662 ID 4, 21767 ID 3, a domestic well in section 34-25-35, a domestic well in section 3-26-35, and a domestic well in section 2-26-35.

The saturated thickness at the proposed well location is estimated to be 256 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 = 0.1229, T = 9,278 ft²/day, $tp_{current} = 153$ days (based upon average use and observed rate), $Q_{current} = 279$ gpm (based upon 2018 field inspection), $tp_{proposed} = 67$ days, $Q_{proposed} = 925$ gpm

Theis drawdowns were calculated as follows:

22560 ID 7: Drawdown from current location = 1.31 ft

Drawdown from proposed location = 2.18 ft

Net drawdown = 0.9 ft

22560 ID 8: Drawdown from current location = 1.10 ft

Drawdown from proposed location = 1.75 ft

Net drawdown = 0.7 ft

22639 ID 6:	Drawdown from current location = 1.58 ft
	Drawdown from proposed location = 3.04 ft
	Net drawdown = 1.5 ft
22558 ID 7:	Drawdown from current location = 1.00 ft
	Drawdown from proposed location = 1.51 ft
	Net drawdown = 0.5 ft
22633 ID 7:	Drawdown from current location = 1.47 ft
	Drawdown from proposed location = 2.42 ft
	Net drawdown = 0.9 ft
16405 ID 6:	Drawdown from current location = 1.27 ft
	Drawdown from proposed location = 1.87 ft
	Net drawdown = 0.6 ft
23662 ID 4:	Drawdown from current location = 1.11 ft
	Drawdown from proposed location = 1.62 ft
	Net drawdown = 0.5 ft

Net drawdown = 0.5 ft

21767 ID 3:

Domestic 34-25-35:

Drawdown from proposed location = 1.74 ft

Drawdown from current location = 1.17 ft

Drawdown from current location = 0.99 ft

Drawdown from proposed location = 1.53 ft

Net drawdown = 0.6 ft

Domestic 3-26-35: Drawdown from current location = 1.07 ft

Drawdown from proposed location = 1.58 ft

Net drawdown = 0.5 ft

Domestic 2-26-35: Drawdown from current location = 1.01 ft

Drawdown from proposed location = 1.56 ft

Net drawdown = 0.5 ft

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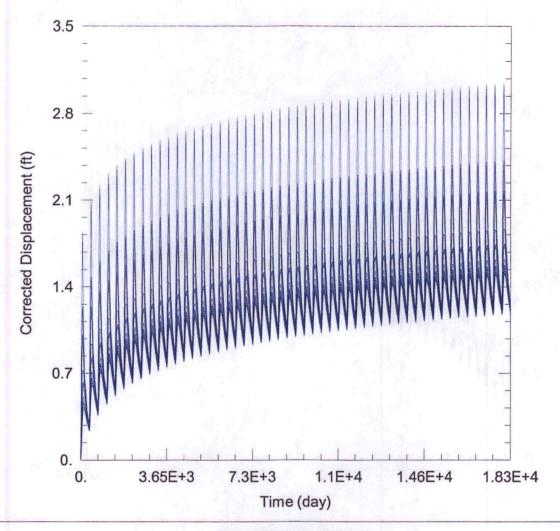
MAR 3 0 2020

Garden City Field Office Division of Water Resources

Net drawdown does not exceed the drawdown allowance of 4.0 ft for any wells within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

Based upon information from the GMD3 model, this proposal will cause minimal effects on neighboring wells, and is unlikely to create an impairment. GMD3 staff recommends approval of the application.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\22560_D2\22560 Proposed.aqt

Date: 03/23/20 Time: 14:51:13

PROJECT INFORMATION

Company: GMD 3
Project: 22560 D2
Location: Kearny County
Test Well: 22560 D2

WELL DATA

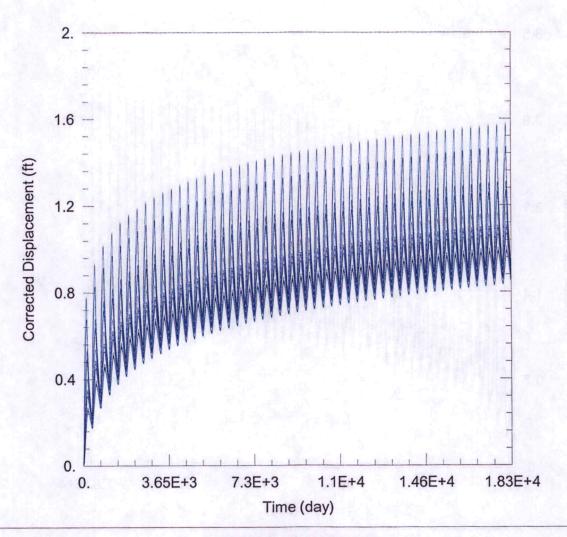
	rumping wells	
Well Name	X (ft)	Y (ft)
22560 ID 3	-96709	348719

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MAR 3 0 2020

Garden City Field Office Division of Water Resources

Well Name	X (ft)	Y (ft)
0 0 0046 01000-	-96709	348719
□ 22560 ID 7	-97290	351818
- 22560 ID 8	-94489	352207
- 22639 ID 6	-94676	348784
- 22558 ID 7	-97427	353780
- 22633 ID 7	-99008	350250
□ 16405 ID 6	-100357	347820
□ 23662 ID 4	-100295	345828
□ 21767 ID 3	-91689	348813
 Domestic 34-25-35 	-100759	349770
 Domestic 3-26-35 	-98733	344346
 Domestic 2-26-35 	-92130	347006



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\22560_D2\22560 D2 Current.aqt

Date: 03/23/20 Time: 14:51:23

PROJECT INFORMATION

Company: GMD 3 Project: 22560 D2

Location: Kearny County Test Well: 22560 D2

WELL DATA

Well Name

Domestic 3-26-35Domestic 2-26-35

Pumping Wells

 Well Name
 X (ft)
 Y (ft)

 22560 ID 3
 -96978
 348576

	-96978	348576
□ 22560 ID 7	-97290	351818
□ 22560 ID 8	-94489	352207
- 22639 ID 6	-94676	348784
□ 22558 ID 7	-97427	353780
- 22633 ID 7	-99008	350250
□ 16405 ID 6	-100357	347820
- 23662 ID 4	-100295	345828
□ 21767 ID 3	-91689	348813
Domestic 34-25-35	-100759	349770

Observation Wells

X (ft)

-98733

-92130

Y (ft)

344346

347006

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

March 20, 2020

GROUNDWATER MANAGEMENT DISTRICT #3 2009 E SPRUCE ST GARDEN CITY KS 67846

Change Application, File No. 22560-D2

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Duane Koster and appears to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

Austin McColloch

Assistant Water Commissioner

Enclosure

pc:

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

March 16, 2020

DAVID KRAUSE PO BOX 252 PLAINS, KS 67869-0252

RE: Water Right, File No. 22560-D2

Dear Sir or Madam:

This is to advise you that Duane & Kathleen Koster 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 NE¼SE¼SW¼ of Section 35, Township 25 South, Range 35 West, Kearny County.

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

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