Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

1. File Number: 26082	2. Status Change Date:	3. Change Num:	4. Field Office: 04	5. GMD: 03
6. Status: ⊠ Approved ☐ Der	nied by DWR/GMD	Dismiss by Reques	st/Failure to Return	7. Filing Date of Change: 3/11/2019
8a. Applicant, Landowner New to system □	Person ID 34535 Add Seq# 1	8c. WUC New to sy	rstem 🗌	Person ID Add Seq#
DUANE E & KATHLEEN PO BOX 897 GARDEN CITY KS 6784		S 8a		
8b. Landowner(s) New to system □	Person ID Add Seq#	8d. WUC New to sy	vstem □	Person IDAdd Seq#
8a				
9. Documents and Enclosure(s): 🛛 D				o Comply: <u>12/31/2019</u>
☐ Anti-Reverse Meter ☐ Meter☐ Conservation Plan Date Requi				Driller Copy
10. Use Made of Water From:		To: _		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			Date Prepared: 3/20 / Date Entered:	/2019 ву: АМ Ву:

File No.	26082	-	11. Count	y: FI	Ва	sin: Al	RKAN	SAS F	RIVER			S	tream	:						Fo	rmation C	Code:	Special Use:
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Lim	itation:		af/yr	r at		i fa		gpm (_				cfs) w	hen co	ombine	ed with	file n	umber	(s)					
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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

March 21, 2019

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

RE:

Water Right, File No. 26082

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 this approval for change. A condition of this approval is that acceptable water flowmeter 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 this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

Should you have any questions, please feel free to call this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

Michael A. Meyer

Water Commissioner

MAM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 21st day of March, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 26,082, dated 21st day of March, 2019 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

With photocopies to:

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. 11:47 Am MAR 07 2019 File No. 26082 Garden City Field Office Application is hereby made for approval of the Chief Engineer to change the (check one or both): DIVISION OF WATER RESOURCES ☐ Place of Use Point of Diversion under the water right which is the subject of this application in accordance with the conditions described below. The source of supply is: ☐ Groundwater ☐ Surface water Name and address of Applicant: DUANE E & KATHLEEN A KOSTER TRUSTS PO BOX 897 GARDEN CITY KS 67846-0897 Phone Number: (620)271-4493 Email address: Name and address of Water Use Correspondent: Phone Number: () Email address: The presently authorized place of use is: Owner of Land ---- NAME: ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) TOTAL ACRES Sec. Twp. Range NE14 NW14 SW14 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 NE1/4 NW1/4 SW1/4 SE1/4 SE1/4 SE1/4 If this application is for a change in place of use, it is proposed that the place of use be changed to: Owner of Land ---- NAME: ADDRESS:

For Office Use Only: Code	Fee \$ 2.00.00 TR #	Receipt Date 3-1-19 Check	# 2516

NW1/4 SW1/4 SE1/4

SW1/4

NW1/4 SW1/4 SE1/4

NE1/4

(If there is more than one landowner, attach supplemental sheets as necessary.)

NE1/4

Sec. Twp. Range NE1/4 NW1/4 SW1/4 SE1/4

TOTAL

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File No.	26082	

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File No. <u>26082</u>	
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File No.	26082	1

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					File No. <u>26</u>	0082	
Th	ne pre	esently authorized use of	vater is for <u>IRR</u>	purpo	ses.		
lt i	is pro	oposed that the use be cha	anged to IRR	inimiao i Uniternal fise nother	purposes.		
If	chan	nging the place of use and/	or use made of water, describe h	ow the consumptive use	will not be incr	eased.	
	ii jud	aro ja mili ka araka araka araka ja mili ka	raw era rober operto i conquito in	s afgrant to granw . Le yo	e Grange erfore	. I legarodh, a a amanaba	geruni? Sapanis
	n die	goria visalija i atte "Mesa	o president an en allum co	ton the extraction are to	HIERO TOU MAGE		in interval Spektisk
(PI	ease s	show any calculations here.)	and the second s			# 15 mg	
lt i	is req	quested that the maximum	annual quantity of water be redu	ced to	(acre-fee	t or million	gallons).
lt i	is req	quested that the maximum	rate of diversion of water be redu	uced to	_ gallons per m	inute (_ c.f.s.).
1:2 Ka Di sh	24,00 ansas stanc lould	00, is available through the solution of the solution of the solution of the lass be shown. Identify the solution of the solut	ner a topographic map or detailed ne Kansas Geological Survey, 1 gov). The map should show the e Southeast corner of the section ne center of the section, the section nbers on the map. In addition the	1930 Constant Avenue, location of the present n must be shown. The on lines and the section	University of ly authorized p presently auth corners and sh	Kansas, La oint(s) of d orized plac now the app	awrence, iversion. e of use propriate
a.	If a	a change in the location of	the point(s) of diversion is propos	sed, show:			
	1)		osed point(s) of diversion. Distant be be certain that the information and 11 of the application.				
	2)	domestic wells, within 1/2	is groundwater, please show the mile of the proposed well or we roperty owner or owners. If there	lls. Identify each well a	s to its use an	d furnish na	ame and
	3)		s surface water, the names and m your property lines must be sh		landowner(s)	½ mile dow	nstream
b.			use is desired, show the propose hown on the map agrees with the				
lo	cal so	ource of supply as to whic gs, test hole logs, and oth	ne change(s) proposed herein wi th the water right relates. This ir er information as necessary info	formation may include s	statements, pla	ts, geology	reports,
ma	ade b	below.	· Company		Pl	HAR	AN
<u></u>	1			A years That	a de la constanta de la consta		
-				Marine The Company of the State of the Company of the State of the Company of the State of the Company of the C	The state of	Page procession	15 Y (12)
_			100 - 100 -				
ide re	entify quest	y the rules and regulations at should be granted. Atta	not meet all applicable rules and s for which you request a waiver ch documentation showing that g nably affect the public interest.	. State the reason why	a waiver is no	eeded and	why the
			<u></u>			Middle A	

File No.	26082	
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Any use of water that is not as authorized by the water right or permit to authorize water <u>before</u> the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse. If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.

If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use a authorized to make this application on their behalf, and declare furth complete. By filing this application I authorize the chief engineer to pe as specified in sections 14 and 15 of this application.	ner that the statements contained herein are true, correct, and
Dated at Grade City, Kansas, this	day of Mark , 20 19. Karkleen Hosler (Spouse)
Phone Kater (Please Print)	Kathleen Koster (Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas County of Finney I hereby certify that the foregoing application was signed in my LISA A. CHES Notary Public - State of My Appt. Expires 4-1-	STER of Kansas

FEE SCHEDULE

Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

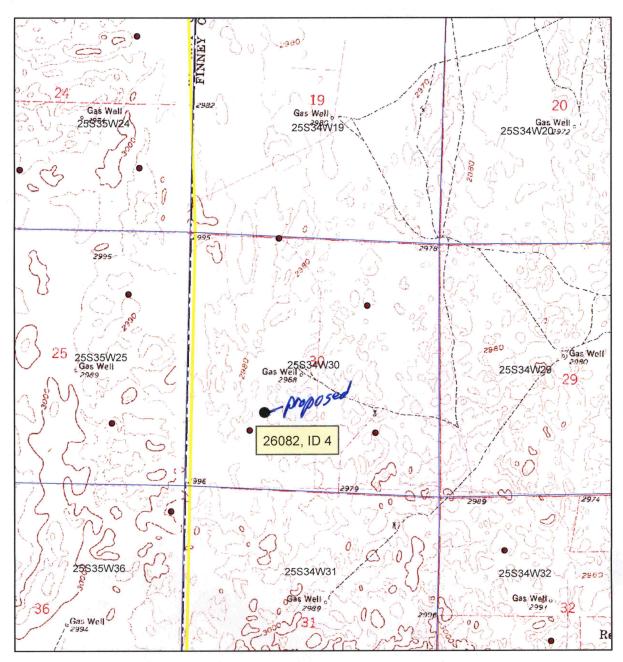
(1)	Application to change a point of diversion 300 feet or less
(2)	Application to change a point of diversion more than 300 feet
(3)	Application to change the place of use \$200
(4)	Application to change the use made of the water \$300

Make check payable to Kansas Department of Agriculture.

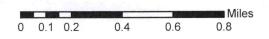
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

pro Wit Iim	visions of the <i>Kansas Water Appropriation Law, K.S.A. 82</i> 6th the exception of those conditions expressly contained here itations of File No	708b, as amended, and K.A.R. 5-5-1, <i>et seq.</i> and other applicable a-701 et. seq., and rules and regulations promulgated thereunder, ein, this Summary Order does not change the terms, conditions and
1.	A change application was received on diversion authorized under the above-referenced file nur	7 20/9 equesting that the place of use and / or point of mber be changed as described in the application.
	On and after the effective date of this summary order, the a	uthorized place(s) of use shall be located substantially as shown on nange the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing riq previously authorized. The point of diversion authorized radius of the authorized point(s) of diversion.	ghts and shall be limited to the same source or sources of water as by this summary order shall be located within a foot able Not Applicable
4.	The point(s) of diversion described herein is administrating Positioning System (GPS), as described in the application	vely corrected to be more accurately described using the Global on. Applicable Not Applicable
5.	The point(s) of diversion authorized herein shall not actuall authorized point(s) of diversion. ☐ Applicable ☑	y be located more than feet from the previously Not Applicable
3.	As required by K.A.R. 5-3-5d, if the works for diversion is a or other device suitable for making water level measurem K.A.R. 5-6-13. ☐ Applicable ☐ Not Applicable	well with a diversion rate of 100 gallons per minute or more, a tube nents shall be installed, operated and maintained in accordance with
7.	December 31, 20, or before the first use of wate operated and maintained in accordance with K.A.R. 5-1-	roperly install an acceptable water flow meter on or before er, whichever occurs first. The water flow meter shall be installed, 4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and ort the reading of the water flow meter and the total quantity of water wing the end of each calendar year.
3.	authorized extension of time. By March 1, 20 20 the	e completed on or before December 31, 20 7 , or within any e applicant shall notify the Chief Engineer that construction of the ovided by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the req	uired notice. 🕅 Applicable 🔲 Not Applicable
10.	with an in-line, automatic, quick-closing check valve cap	r foreign substance will be injected into the water shall be equipped able of preventing pollution of the source of the water supply. The d in accordance with K.A.R. 5-3-5c. Applicable ☐ Not Applicable
11.	Additional Conditions are attached. Yes You	
12.	water appropriated under the above-referenced file nun limitations, as amended and/or supplemented by this Suappropriation Law and the Rules and Regulations prom	A.R. 5-5-14, all of the owners of the authorized place(s) of use of other are responsible for compliance with its terms, conditions and ummary Order, and with applicable provisions of the <i>Kansas Water</i> nulgated thereunder. Failure to comply with these provisions may mended, and/or the suspension or revocation and dismissal of the tions authorized by law.
4	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
f vo	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND
ou/	may request an evidentiary hearing before the Chief gineer or request administrative review by the Secretary of	SUMMARY ORDER ISSUED
Agr	iculture. A request for hearing by the Chief Engineer must be	By: Anhu A. My
	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 Conet Engineer
	s 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.	(Print Name): WICHAEC A. MEYER Division of Water Resources, - Kansas Department of Agriculture
File	any request with Kansas Department of Agriculture,	Date of Issuance: March 21/2019
665	gal 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)
лес	For Use by Register of Deeds	County of Jinney) SS
		Acknowledged before me on March 21, 2019
		by Michael A. Meyer
		Signature: Sulle Jones
		Notary Rublic
		My commission expired Julie JONES
		My Appointment Expires (No Appointment Expires

Change in Point of Diversion for Water Right 26082



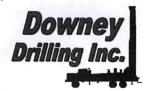
Authorized Point of Diversion



W E

Proposed Point of Diversion

All wells within 1/2 miles are on this map.



Well Design & Construction

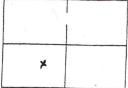
17 Hanson 626 271 - 4493 275 - 5957

Customer Name: SOUTHWES	TAG (3-28	
Legal: SW 30-25S-34W	County: FINNEY	•
GPS: 37.84772	Date:	•
-101.09819	WO #: 19-130	•
DRILLER:	WATER SUPPLY: NEARBY IRRIGATION WELL	
HELPER(S):	DRILLING RIG: TBD	_
BOREHOLE DIAMETER: 30" CASING DIAMETER: 16"	DRILLING METHOD: REVERSE CIRCULATION	•
TOTAL WELL DEPTH: 520'	QUIKGEL: TBD HOLE PLUG: 20' GRAVEL: 105 TONS OF #1 COARSE	
DRILLING FLUID: TBD	GRAVEL SUPPLIER: TBD	-
ADDITIONAL INFO:		
		_
GROUT AND	SCREEN AND	
GRAVEL	SCREEN AND CASING	
	RRIGATION WELL	
0' 1" SOUNDER TUBE ->	←—4" GRAVEL TUBE 2'	
SURFACE	36" X 20' CMP	
SEAL	SURFACE CASING	
(HOLE PLUG)	WITH CEMENT GROUT	
20'		
	GRAVEL TUBE	
	STOPS AT 40' RECEIVED	
	MAR 0 1 2019	
	Garden City Field Of	fice
	16" .250 WALL Division of Water Resor	
	PLAIN	
ODA)/El	STEEL CASING	
GRAVEL PACK		
, , , , , , , , , , , , , , , , , , , ,		
5	290'	
	40111011110011	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	16" JOHNSON .080 SLOT	
	AGRI SCREEN PLUS	
	430'	
	16" JOHNSON .050 SLOT	
	AGRI SCREEN PLUS	
	470'	
	16" .250 STEEL	
SOUNDER TUBE	MILL SLOT	
STOPS AT 480'	PERF .060	
	16" .250 WALL CASING	
520'	(SUMP) 520'	

GSPF IRRIGATION SERVICE

710 W Taylor Jones Rd Holcomb, KS 67851 Phone: 620-277-2503

Fax: 620-277-2581



Customer Name: Southwest AG 628 Date: 12-13-18
Address: Test # 2 E Log
City & state Driller: Dana Voats
County Finney Quarter SW Section: 30 Township: 25 Range: 34
Location: GPS N 37, 84772 W 101, 09819 Elev: 2983
Rig# WO#

	T	T	T		Static Water Level 290
%	From	Pay	То	Description of Strata	Proposed Well Depth
	O		1	Sandy top soil	46
1	1		12	Fine Sand	
-	12		80	FMC gravel Few sandy day	strips
	80		158	Sandyclay	Si s
	158		183	Sandy day some sand strips	5
	183		203	FMC	
	203		223	Sandyelay few sand strips	
	223		236	FMC small gravel	
	236		243	Limestone	
	243		258	FMC small gravel	21 Bentonite
1	258		282	Sandy day	3 Sala Ash
1	282	16	306	FMC DON	8 Hole plug
1	306	the self	333	Tan clay + caliche 1000	1 04.68 7101
1	333	17	350	F-M sand	1 64 Drag Blade
	350		354	Sandy day	1 Perma Plug
	354	6	360	F-m Sand	1 181 MZ 1199
	360		367	Sandy clay	UNO
	367	11	378	F-M sand	
	378		387	Sandy day	ACO.
	387	43	430	FMC Some sandy day stri	ips 1 V
1				Cont.	

RECEIVED

MAR 0 1 2019

GSPF IRRIGATION SERVICE

710 W Taylor Jones Rd Holcomb, KS 67851 Phone: 620-277-2503

Fax: 620-277-2581

*	

Quarter S W Section: 30 Township: 25 Range: 34					Test # 2 E Log
Right WO# Static Water Level 290 Proposed Well Depth 430 445 Clay Brown, grey 445 12 457 FMC 472 489 Sandstone tight 489 492 Clay 492 507 Sandstone loose 507 540 Grey oily clay 120 Surface Chang 120 Surface Chang	Cit	y & stat	te		Driller: Dana Vogts
From Pay To Description of Strata	20	unty F	nne	ý	Quarter W Section: 30 Township: 25 Range: 34
From Pay To Description of Strata	00	cation:	685	N	37,84772 W 101,09819 Elev: 2983
Static Water Level 290 Proposed Well Depth 430 445 Clay Brown , grey 445 12 457 FMC					
From Pay To Description of Strata Proposed Well Depth 430 445 Clay Brown, grey 445 12 457 FMC 457 15 472 Small Brown. Tan cock sand FMC. 472 489 Sandstone tight 489 492 Clay 492 Clay 492 507 Sandstone loose 507 540 Grey oily clay 120 330' + 2 - 330 7 IMIN 100' 330 - 430 .000 SCREE 80' 430 - 510 .050 SCREE 80' 430 - 520 SUMP	_				
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472 489 Sandstone tight 489 492 Clay 492 507 Sandstone loose 507 540 Grey oily clay 120 Surface CASING 120 330' + 2 - 330 7 IMIN 100' 330 - 430 .000 SCREEN 80' 430 - 510 .050 SCREEN 80' 430 - 520 SUMP	1	445	12	457	FMC.
472 489 Sandstone tight 489 492 Clay 492 507 Sandstone loose 507 540 Grey oily clay 120 Surface CASING 120 330' + 2 - 330 7 IMIN 100' 330 - 430 .000 SCREEN 80' 430 - 510 .050 SCREEN 80' 430 - 520 SUMP	I	457	15	472	Small Brown Tan rock sand FMC ,00
120 120 Surface CAGNG 330' + 2 - 330 7 CAIN 100' 330 - 430 .000 SCREEN 80' 430 - 510 .050 SCREEN 10' 510 - 520 SUMP		472		489	
120 Surface Cagnus 120 Surface Cagnus 330' + 2 - 330 7 141N 100' 330 - 430 1000 Surface 80' 430 - 510 1050 Surface 100' 510 - 520 Sump		489		492	Clay
120 SURFALE CASING 330' + 2 - 330 7LAIN 100' 330 - 430 .080 SCREEN 80' 430 - 510 .050 SCREEN 80' 430 - 520 SUMP	1	492		507	Sandstone loose 1003
330' + 2 - 330 7LMIN 100' 330 - 430 1000 SCREEN 80' 430 - 510 1050 SCREEN 100' 510 - 520 SUMP	1	507		540	Grey oily clay
330' + 2 - 330 7LMIN 100' 330 - 430 1000 SCREEN 80' 430 - 510 1050 SCREEN 100' 510 - 520 SUMP	L		_		
330' + 2 - 330 7LAIN 100' 330 - 430 .080 SCREEN 80' 430 - 510 .050 SCREEN 180' 510 - 520 SUMP	-		120		SUPPOLE CASING
100' 330 - 430 .000 SCREET 80' 430 - 510 .050 SCREET 100' 510 - 520 SUMP	-				
80' 430 - 430 .000 SOURCE 80' 430 - 510 .050 SCREE 10' 510 - 520 Sump	-			-	
80' 430 - 510 .050 school	-		-	-	220 - 430 1000 Squeen
10 310	_				80' 430 - 510 .050 Sciace
GOUNDER TUBE AGE SCRE					10 310
TO 480'	-				SOUNDER TUBE AFOR SCREE
1011 40					TO 480' lon lon' lon
					DR. 1140 EUD @ \$ 7,000.00
DR.11400 Euro @ # 2000.00	1				HEILUNG FLOW C 11
Derupo Fruid @ \$ 2000.00					105 - #1 COATESE GRAVER PACK HUBBOR RECEIV



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 19, 2019

Michael A. Meyer Division of Water Resources 2508 N Johns Street Garden City, Kansas 67846

RE:

Application for Change in Point of Diversion

Water Right, File No. 26082

Dear Mike:

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

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of the applicant. 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 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 in no case did the net effect on neighboring wells exceed the 4.0 ft maximum allowable threshold, in fact were far blelow. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the applications be approved.

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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GMD3 Change Review

File No(s).: <u>26082</u>. DWR office: <u>GC</u>.

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? YES.

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) <u>04</u> being changed.

	تنبيب والمؤطونية	بموارير للوبياتية				
	ft. North	ft. West				
Authorized PD	1320	3960	Sect 30-25-	-34		
Proposed PD	1707	3816			_ &d	
Difference	-387 n	144 e				
a2 + b2 = c2	149769	20736	412.9225	foot move NE		
GPS for proposed Is proposed PD				<u>01.09819</u> .		
Is Proposed PU	overlapping e	xisting WRs?	No Char	nge.		
Land Owner(s)	notified: On	ly wells with	in half mile	is applicant for	or DW	/R notices
Name		Name				
Address		Address				

Address __. Address __.

Zip __. Zip __.

Neighboring certified well(s) notified: __.

 Name
 ...

 Address
 ...

 Zip
 ...

 Zip
 ...

Domestic well(s) notified: __.

 Name
 __.

 Address
 __.

 Zip
 __.

 Zip
 __.

Base Acres: __.
Perfected Acres:

Irr. Return-Flow ___%

1600' spacing required on all neighboring permitted wells.

Move is less than half mile.

Minimum spacing to neighboring wells met.

Saturated thickness in area is around 220', which would allow for 4' deminimus effect.

All wells within a mile were evaluated and all showed less than a foot effect.

Move is just over 400'.

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

GMD3 Change Review

Recommendation: After review of all available information, it appears all current area rules are met. Well evaluations show a minimal effect to neighboring wells evaluated. If no new information is presented, staff recommends approval of the application.

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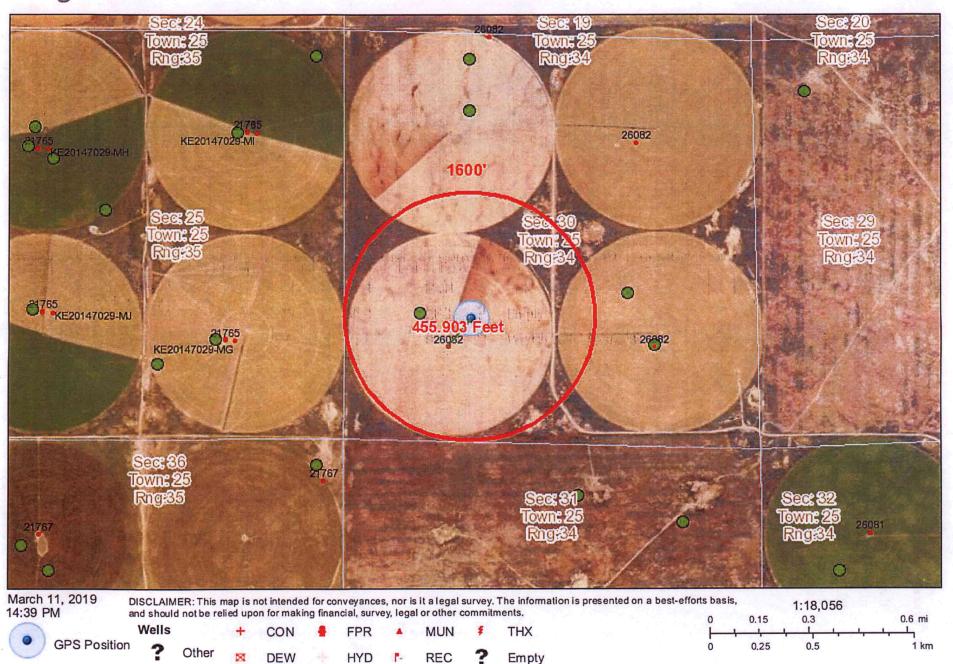
IRR

DOM

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26082 Review



WWC5 WELLS GMD3

Water Rights and Points of Diversion Within 1.00 miles of point defined as: 1707 ft N and 3816 ft W of the SE Corner of Section 30, T 25S, R 34W Located at: 101.098191 West Longitude and 37.847721 North Latitude

	GROU	NDWATER	ONL	Y														/	600	1000	11		
									200	000			======	000000					5000			80000	
	File	Number		Use	ST	SR	Dist												Batt	Auth_Quan	Add_Quan	Unit	
	A	21765	00	IRR	NK	G							3895							272.00	272.00	AF	
	Same							3055	-	NE	SW	SE	1264	1525	25	25	35W	10		272.00	272.00	AF	
	A	21767	00	IRR	NK	G		2753	4	NE	NE	NE	4745	274	36	25	35W	7		272.00	272.00	AF	
	A	26082	00	IRR	NK	G*							3960				34W			270.00	270.00	AF	
	Same							2478	4		NC	SE	1320	1360	30	25	34W	3		270.00	270.00	AF	
	Same					4		>422			NC	SW	1320	3960	30	25	34W	4		266.00	266.00	AF	
	Same							3516	<	NW	NE	-NW	5215	3585	30	25	34W	5		272.00	272.00	AF	
•	T_2	0147029	MG	IRR	GY	G	* * * * *	3055		NE	SW	SE	1264	1525	25	25	35W	10		1167.77	.00	AF	
	T2	0147029	MI	IRR	GY	G		3671			NC	NE	3895	1320	25	25	35W	6		1042.13	.00	AF	
	9000								===							2000	00000		0000				
	Tota	l Net Q	uant	iti	es ?	Auth	oriz	ed:	Di	rec	t		Ste	orage									
.:	Tota	l Reque	sted	Amo	ount	: (A	F) =			.0	0			.00				1			space	2 6	15
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3	: Tota	l Inspe	cted	Amo	ount	. (A	(F) =			.00	0			.00				,	7				
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	Total	l Certi	fied	Amo	ount	- (A	F) =		189	4.0	0			.00				•					
	Total	l Veste	d	Amo	ount	: (A	F) =			.00	0			.00									
.:	TOTAL	L AMOUN	T			(Z	F) =		189	4.0	0			.00									

An * after the source of supply indicates a pending application for change for the file number.

An * after the ID indicates a 15 AF exemption was granted for the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

. Water Rights and Points of Diversion Within 1.00 miles of point defined as:

101.098191 West Longitude and 37.847721 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number Use ST SR

A__ 21765 00 IRR NK G

- > WHEATLAND ELECTRIC COOPERATIVE INC
- > PERRY SMITH
- > PO BOX 953
- > GARDEN CITY KS 67846

>-----

A__ 21767 00 IRR NK G

PREMIER 4 FARMS

> PO BOX 518

> HUGOTON KS 67951

A 26082 00 IRR NK G

> DUANE E & KATHLEEN A KOSTER TRUSTS

>-----

> PO BOX 897

> GARDEN CITY KS 67846

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MAR 1 9 2019

Garden City Field Office Division of Water Resources T 20147029 MG IRR GY G

- > WHEATLAND ELECTRIC COOPERATIVE INC
- > PERRY SMITH
- > PO BOX 953
- > GARDEN CITY KS 67846

T__20147029 MI IRR GY G

- > WHEATLAND ELECTRIC COOPERATIVE INC
- > PERRY SMITH
- > PO BOX 953
- > GARDEN CITY KS 67846

2018 was last year for these MYFAS

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100 miles

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star r

est that we approximate

grading retroits

Taxuen City.Fieldion

INPUTS					
Target Section Definition					
Section	30				
Township	25				
Range	34				
Range Direction	W				
Target Point Coordinates (NA	D27 or NAD83)				
Target Longitude	-101.098190				
Target Latitude	37.847720				

Load Data and Compute

Instructions

- 1. Enter values for section, township, range and range direction.
- 2. Enter NAD27 or NAD83 longitude and latitude of target point.
- 3. Click "Load Data and Compute" button.
- 4. Use feet distances corresponding to datum of target point.

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Garden City Field Office Division of Water Resources

Loaded Section Data From LEOBASE using NAD83 Corner Corner Latitudes **Corner Longitudes** SW 37.84345196 -101.10388622 NW 37.85791694 -101.10390198 NE -101.08589580 37.85752031 SE 37.84305516 -101.08542290 Degrees Longitude per Foot 3.46313802E-06 Degrees Latitude per Foot 2.74616630E-06 **Target Point Distances from Corners using NAD83** Corner Feet North(+)/South(-) Feet East(-)/West(+) SW 1554 -1645

-3713

-3569

1699

NW

NE

SE

Target point is In Section

-1649

3550

3687

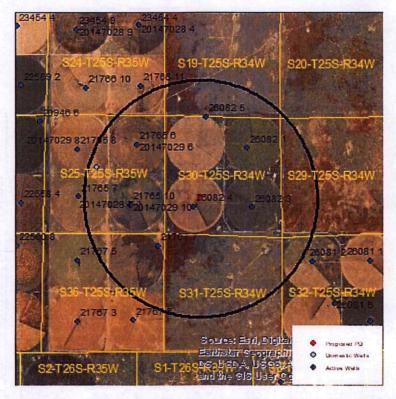
1.00	Loaded Section From LEOBASE usin	
Corner (Corner Latitudes	Corner Longitudes
SW	37.84343000	-101.10343900
NW	37.85789500	-101.10345500
NE	37.857,49800	-101.08544900
SE	37.84303300	-101.08497600
Degrees	Longitude per Foot	3.46313699E-06
Degrees	Latitude per Foot	2.74598553E-06

Corner	Feet North(+)/South(-)	Feet East(-)/West(+)	
SW NW NE SE	1562		
NW	-3705	-1520	
NE	-3561	3679	
SE	1707	3816	

Difference (NAD83 Minus NAD27)							
Corner	Corner Latitudes	Corner Longitudes					
SW	0.00002196	-0.00044722					
NW	0.00002194 -0.00044						
NE	0.00002231	-0.00044680					
SE	0.00002216	-0.00044690					
	Difference (NAD83 Mi	nus NAD27)					
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)					
SW	-8.09944120	-129.13676309					
NW	-7.74540699	-129.06746040					

Well Evaluations of proposed move for Water Right No 26082 ID 4

Proposed: Move the well authorized under water right no. 26082 ID 4 482 ft to the northeast.



Wells within 1 mile: 26082 ID2, 26082 ID1, 26082 ID5, 21765 ID6, 21765 ID10, 21767 ID7, and a domestic well in section 25-25-35.

The saturated thickness at the proposed well location is estimated to be 220 ft, based upon the driller's log at the proposed well location from 12/13/18. For saturated thicknesses greater than 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 4.0 ft.

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

S = 0.1693, T = 15,434 ft²/day, $tp_{current} = 146$ days (based upon reported rate and quantity), $Q_{current} = 360$ gpm (reported in 2017), $tp_{proposed} = 75$ days, $tq_{proposed} = 800$ gpm.

Theis drawdowns were calculated and results are as follows:

26082 ID2:

Drawdown from current location = 1.16 ft

Drawdown from proposed location = 1.66 ft

Net drawdown = 0.5 ft

26082 ID1:

Drawdown from current location = 0.98 ft

Drawdown from proposed location = 1.37 ft

Net drawdown = 0.4 ft

26082 ID5:

Drawdown from current location = 0.91 ft

Drawdown from proposed location = 1.21 ft

Net drawdown = 0.3 ft

21765 ID6:

Drawdown from current location = 0.95 ft

Drawdown from proposed location = 1.18 ft

Net drawdown = 0.2 ft

21765 ID10:

Drawdown from current location = 1.10 ft

Drawdown from proposed location = 1.34 ft

Net drawdown = 0.2 ft

21767 ID7:

Drawdown from current location = 1.23 ft

Drawdown from proposed location = 1.45 ft

Net drawdown = 0.2 ft

Domestic 25-25-35:

Drawdown from current location = 0.83 ft

Drawdown from proposed location = 0.96 ft

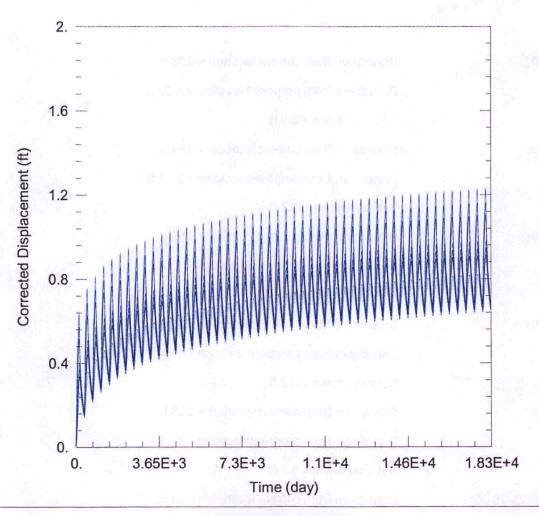
Net drawdown = 0.1 ft

Net drawdown does not exceed 4.0 ft at any location, so critical well analysis is not necessary.

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Garden City Field Office Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\26082\26082 Current.aqt

Date: 03/12/19 Time: 15:04:44

PROJECT INFORMATION

Company: GMD 3
Project: 26082 ID 4
Location: Finney County
Test Well: 26082 ID 4

WELL DATA

Pumping Wells				
Well Name	X (ft)	Y (ft)		
26082 ID4	-86564	353945		

Observation Wells				
Well Name	X (ft)	Y (ft)		
	-86564	353945		
□ 26082 ID2	-83948	353937		
□ 26082 ID1	-84166	356578		
□ 26082 ID5	-86030	357946		
□ 21765 ID6	-89140	356725		
□ 21765 ID10	-89435	354042		
□ 21767 ID7	-88172	352230		
 Domestic 25-25-35 	-90956	355734		

SOLUTION

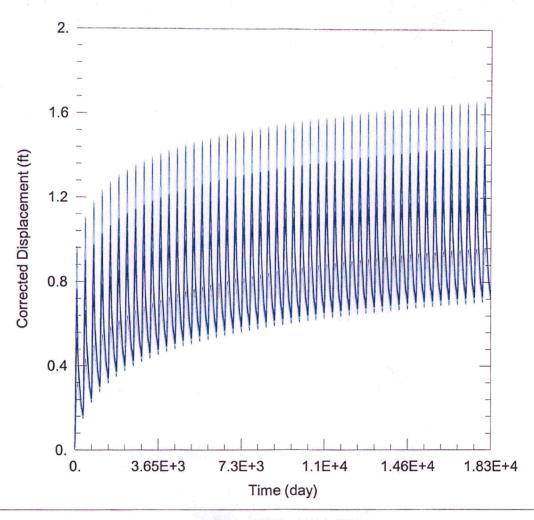
Aquifer Model: Unconfined

T

 $= 1.543E+4 \text{ ft}^2/\text{day}$

Solution Method: Theis

S = 0.1693



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019 moves\26082\26082 Proposed.aqt

Date: 03/12/19 Time: 15:04:34

PROJECT INFORMATION

RECEIVED

Company: GMD 3
Project: 26082 ID 4

Location: Finney County Test Well: 26082 ID 4 MAR 1 9 2019

Garden City Field Office

WELL DATA

 Pumping Wells

 Well Name
 X (ft)
 Y (ft)

 26082 ID4
 -86265
 354323

Observation Wells				
Well Name	X (ft)	Y (ft)		
0	-86265	354323		
□ 26082 ID2	-83948	353937		
□ 26082 ID1	-84166	356578		
□ 26082 ID5	-86030	357946		
a 21765 ID6	-89140	356725		
□ 21765 ID10	-89435	354042		
□ 21767 ID7	-88172	352230		
Domestic 25-25-35	-90956	355734		

SOLUTION

Aquifer Model: Unconfined

T

 $= 1.543E + 4 ft^2/day$

Solution Method: Theis

S = 0.1693

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

March 11, 2019

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

Re:

Water Right File No. 26082

Dear Mr. Norquest:

This is to advise you that DUANE E & KATHLEEN A KOSTER TRUSTS has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the place of use for the above referenced files.

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