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:
22057	12-2021	C2	4	3
6. Status: Approved Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				11/22/2021
8a. Applicant(s)/Landowner,	Person ID 53434	8c. Landowne New to sy		Person ID Add Seq#
New to system ☐	Add Seq#	_ New to sy	Stelli 🗀	Add Seq#
CLAY B & NANCY J SCO 1773 N ROAD B ULYSSES, KS 67880	PTT			
8b. Landowner(s), WUC New to system □	Person IDAdd Seq#	8d. WUC/ Lai		Person IDAdd Seq#
9. Documents and Enclosure(s): 🛛 DV	VR Meter(s) Date to Compl	y: 12/31/2022	N & P Date to	Comply: 3/1/2023
☐ Anti-Reverse Meter ☐ Meter	Seal	⊠ N & P Form		riller Copy 🛛 H & E Letter
☐ Conservation Plan Date Requir	ed: Da	te Approved:	Date to	Comply:
10. Use Made of Water From:		To: _		
			Date Prepared: 11/24 Date Entered:	/2021 By: MAM By:

File No.	22057	,	11. County	y: GT	В	asin: N	F CIN	IARRO	N RIV	ER		S	tream:								rmation Code: 1/331	Special Use:	
12. Poir	nts of Dive	ersion														Rate	and Q	uantity					
MOD	PDIV															P	Authori	zed		Ad	dditional		
ENT	PDIV	Qualifier	S	Т	R	ID	,	N	ʻW		Com	ment	(AKA I	Line)		Rate		Quantit af	ty	Rate gpm		Overlap PD Files	
DEL	15327																						
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																*re	qeust	ed red	duced	diversi	on rate		
13. Stora	age: Rate			NF.	Qua	antity _					ac/ft	Α	ddition	ıal Rat	e				NF	Addi	tional Quantity _		_ ac/ft
14. Limit	ation:		af/yr	at				gpm (_				cfs) w	hen co	mbine	d with	file n	umber	(s)					
Limit	tation:		af/yr	at				gpm (_				cfs) w	hen co	mbine	d with	file n	umber	(s)					
15. 5YR	Allocation	: Allocation	Туре	_ s	tart Yea	ar		5 YR	Amou	nt _		Amo	ount Ur	nit	_	Base	Acres		_ C	omment _			
16. Plac	ce of Use				N	IE¼			NV	V1/4			sv	V1/4			S	E1/4		Total	Owner Chg	g? Overlap Files	
MOD DEL FNT	PUSE	STR	ID	NE		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																							

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

December 2, 2021

CLAY B & NANCY J SCOTT 1773 N ROAD B ULYSSES, KS 67880

RE:

Field Office Application for Change

Water Right, File No. 22507

Dear Sir or Madam:

Enclosed is the 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 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. Please note the additional conditions attached that you agreed to.

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.

Water Commissioner

MAM enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 2nd day of December 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,057 dated 2nd day of December 2021 was mailed postage prepaid, first class, US mail to the following:

CLAY B & NANCY J SCOTT 1773 N ROAD B ULYSSES, KS 67880

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

of d	liversion an	id/or pi	ace of	use.													RE	CEI	VED
						F	ile No	. 2205	7					•			JU	N 2 2	
1.	Application	n is he	reby n	nade fo	or appi		f the C		nginee		ange t			ne or b	oth):	Div	arden	City F	Field Office er Resources
	under the	water	right w	hich is	s the s	ubject	of this	applic	ation i	n acco	rdance	with t	he cor	ndition	s desc	ribed l	pelow.		
	The source	e of su	apply is	s:		⊠ G	round	water			Surfac	e wate	er						
2.	Name and						& NA	NCY J	SCOT	П									
N	Phone Nu								Email	addres	ss:								
	Name and																		
	Phone Nu	mber:	()					Email	addres	ss:								
3.	The prese																		
	Owner of I	-					BOVE	- NO	CHAN	GE									
	(If there is n																		
				NE	=1/4			NV	N¹/4			SV	V1/4			SI	E1⁄4		TOTAL
Se	ec. Twp.	Range	NE1/4		SW1/4	SE1/4	NE1/4		SW1/4	SE1/4	NE1/4		SW1/4	SE1/4	NE1/4	NW¼	SW1/4	SE1/4	ACRES
4.	If this appl Owner of	Land -	NA ADDRI	AME: ESS:				•				ace of	use be	e chan	ged to	:			
				NE	Ξ1/4			N\	N ¹ / ₄			SV	V1/4			SI	E1/4		TOTAL
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								1											
	For Office	e Use	Only:	Code		Fe	e \$ <u></u>	,60,0	O TR	#		Re	ceipt	Date _	6-28	2-21	Chec	:k#	0514

See attached

				4//4000			
5. 	Presently authorized	point of o	liversion:	1			
	One in the	SW	Quarter of the	SW	Quarter of the	NW	Quarter
	of Section	21	, Township	28	South, Range	38	(W),
			nty, Kansas, 2704				
	Authorized Rate 1100	GOM	Authorized Quantity _	511-AF	Depth of well	(fee	et)
	(DWR use only: Com	puter ID	No. <u>02</u> GPS	S	feet North	feet We	est)
			This point will be change				
- 1			Complete only if chang				
			Quarter of the				
	of Section	21	, Township	28	South, Range	38	(W),
			inty, Kansas, <u>535</u>				
	Proposed Rate #735	-GPI	Proposed Quantity	511 AF	Proposed well depth	(feet)	
			Geo Center List ot				
_			Iversion Rate = A				
6. F	Presently authorized			Brice 10	- ACOM SZI PICA		s + date
			Quarter of the		Quarter of the		
			, Township				
	in	COL	enty, Kansas,	feet North	feet West of	Southeast corne	er of section
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- 1			Complete only if chang				
1			Quarter of the				
			, Township unty, Kansas,				
			Proposed Quantity				
			Geo Center List of				
	This point is. Addit	ioriai vveii	☐ Geo Center List of	iner water rigi	its that will use this poin		
7.	The changes herein a	re desired	for the following reasons	s?			
١.	(please be specific) <u>LO</u>			3:	Nort	h	
			RIZED UNDER 18201	300	200 100 0	100 200	
				Ĕ			111113
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Ο.	If a well, is the test hole	log allach	ed? Tes No	200	- 🕂 + 🚆	\cdot $+$ $+$ $+$	200
9.	The change(s) (was)(w	ill be) com	oleted by?		-/ =		1=
	UPON APPROVAL	,		100	<i>[</i> , , , , , , <u> </u>		100
	OI OIN AIT NOVAL			100	Ξ	1 1 1 1	1 1 200
10.	If the point of diversion	is a well:		ŧ	-		1
	(a) What are you going	a to do with	the old well?	West 0	#dan mdan mda %	արակակակա	□□□□□□ 0 East
	(-,	• • • • • • • • • • • • • • • • • • • •		‡	. <u> </u>		3
	PLUG / CAP			100		1 1 1 1	1
	(b) When will this be d	one?		100	1 + 1 + 1 =		100
				E	·\ =	-	/ =
11.	Groundwater Managem	ent Distric	t recommendation attached	d? 200 E	- 1 + 1 =	+ . +	200
	☐ Yes	⊠ No		E		_ /	直
				F	Į. Į. Į. Į. Į.		
12.	Assisted by AM / GCFC)		300		100 200	300
10-	If the prepared paint of	divorcios :	vill be relocated more than		Sout		

13a. If the proposed point of diversion will be relocated <u>more than 300</u>

feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile on the diagram shown above in relation to the existing point of the control of the existing point of the diagram shown above in relation to the existing point of the control of the existing point of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines

diversion. The proposed point of diversion must be located within the circle shown above. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

5.	Presently authorized poin	t of diversion:			v v	
		Quarter of the				
		, Township				
		County, Kansas, 2704				
		Authorized Quantity				
	(DWR use only: Compute	er ID No. <u>02</u> GF	PS	feet North	feet W	est)
		ed This point will be chang				
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		Quarter of the				
		, Township				
		County, Kansas, 535				
		Proposed Quantity _				
		Well ☐ Geo Center List of				
_		e diversion rate =1	_			
6.	Presently authorized poin		IMPICCO 10			1s + date
٥.	One in the	Quarter of the		Quarter of the		Quarter
	of Section	Township		South Range		(\\\\)
	in	Township	feet North	feet West	of Southeast corn	er of section
	Authorized Rate	Authorized Quantity		Depth of well	(fe	et)
		r ID NoGF				
		ed This point will be chang				
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		Quarter of the				
	of Section	, Township		South Range		(\/\/)
	in	County, Kansas,	feet North	feet West	of Southeast corne	er of section.
	Proposed Rate	Proposed Quantity _		Proposed well der	oth (feet)	
		Well ☐ Geo Center List of				
_						
7.	The changes herein are de	sired for the following reasor	is?			
	(please be specific) LOSS O	F PRODUCTION	300	200 100 No	orth 0 100 200	300
	MOVING TO OLD WELL AU	THORIZED UNDER 18201		11111111111111111111111111111111111111	±100 200	
			E		= -	=
8.	If a well, is the test hole log a	ttached? Yes No	200	- 1 /- 1 /- 1 /-	= 1 + 1 +	1 = 300
			200		= ' ' ' ' ' '	1 3200
9.	The change(s) (was)(will be)	completed by?	E	/		13
	UPON APPROVAL		100	-1+1+1-	= 1 + 1 +	100
10	If the point of diversion is a u	rall.	1			4
10.	If the point of diversion is a w		Wasto	+400/00/00/00/00/00/	= •taadaadaadaada	O Fast
	(a) What are you going to d	o with the old well?	Westorn	atoulantindinger	=	East
	PLUG / CAP		A T			7
	(b) When will this be done?	1	100	(1 + 1 + 1 - 1)	= 1 + 1 +	100
	(b) When will this be done?		E	\		/=
11	Groundwater Management D	istrict recommendation attache	ed? 200			200
1.1.	Yes X		,u ; 200 E			200
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12.	Assisted by AM / GCFO		300	200 100	0 100 200	900 Eurlin
120	If the proposed point of divers	ion will be releasted more than			outh Scale: 1 hashm	
ısa	feet but within 2,640 feet of the	ion will be relocated <u>more than</u> be existing point of diversion, at	tach 13b.lf the	proposed point of dive	ersion will be reloca	ted within a 300
	a topographic man or sori	al photograph For groundy	rator foot r	adjus of the existing no	int of diversion ind	icate its location

a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

7.64

lines

ADDITIONAL CONDITIONS TO SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS,

Water Right, File No. 22,057

The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

This order effectively reduces the authorized maximum rate of diversion to a rate not to exceed 735 gallons per minute (1.63 c.f.s.) from the authorized point of diversion described herein.

	By: Marline A-Ally
	(Duly Authorized Designee of the Chief Engineer)
	(Print Name): Michael A. Meyer Division of Water Resources Kansas Department of Agriculture
	Dated of Issuance: <u>Accembor</u> 2, 2021
State of Kansas)
County of Finney) SS	
Acknowledged before me on	the and day of December 2021
By Michael A	.Meyer -
Signature <u>Xuli</u>	
My Commission expires:	Public JULIE JONES NOTARY My Appointment Expires Public December 15, 2022 (Notary Seal)

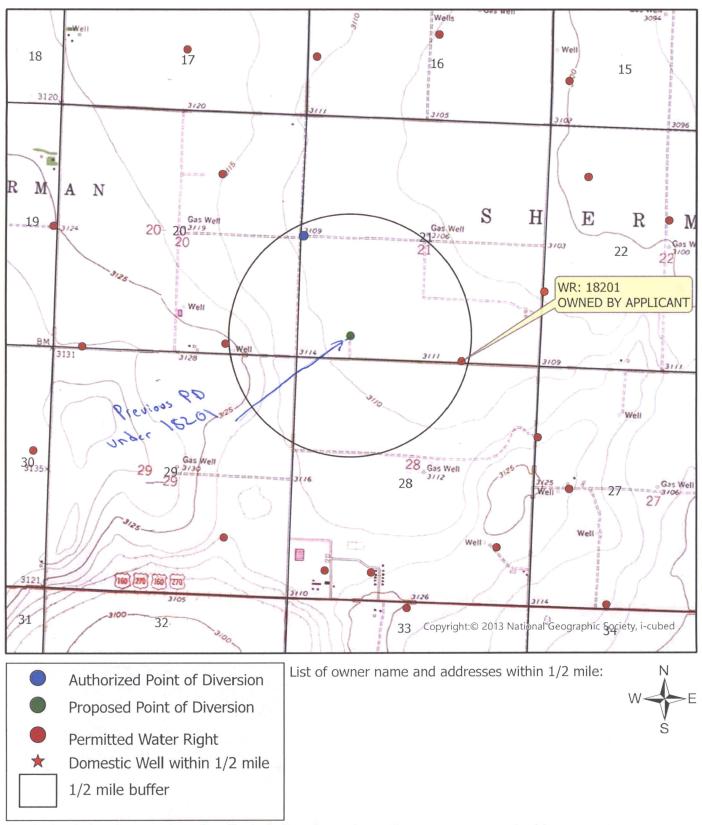
14. If the proposed groundwater point of dive	rsion is 300 or fewer feet fro	m the existing point of diver	rsion, complete the	following:
(a) Does the undersigned represent all o ☐ Yes ☐ No (If no, all o	wners of the currently autho owners must sign this applic		ied in this applicatio	on?
(b) Will the ownership interest of any ovaffected if this application is approved☐ Yes☐ No(If yes, all	vner of the currently author d as requested? owners must sign this appli		ed in this applicatio	on be adversely
(c) If this application is not approved exp ☐ Yes ☐ No (If no, all o	peditiously, will there be subsowners must sign this applic		, public health or sa	fety?
If the application proposes a surface water charge in place of use, the application magent (attach notarized statement authorizing	ust be signed by all owners			
I hereby verify, being first duly sworn age and the owner, the spouse of the other behalf, in regards to the water rig contained in this application are true, of Dated at	owner, or a duly authori ght(s) to which this app	zed agent of the owner olication pertains. I fur	(s) to make this	application on
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State of Kansas ,)	自	NOTARY PUBLIC - State of Kansas		
County of Grant	SS	MARJORIE L. UMBERGER My Appt. Exp. 9 110 2021]	- 10
I hereby certify that the foregoing approf	olication was signed in r	ny presence and sworn	to before me thi	is Danday
		Marjusia &	Chbino	la
My Commission Expires 9/10/2021		Not	ary Rublic	0
ONLY COMPLETE APPLICATIONS WILL BE PRO accurate information; maps, if necessary, must be in the appropriate fee must be paid.	CESSED. To be complete, all ncluded; signatures of all the appropriate the complete of the com	of the applicable portions of the propriate owners' must be affix	application form mus red to the application a	t be completed with and notarized; and
	FEE SCHEDU	ILE		
Each application to change the place of use of forth in the schedule below: Make checks pay (1) Application to change a point of decrease a	r the point of diversion under yable to: Kansas Departme liversion 300 feet or less liversion more than 300 feet	r this section shall be accor ent of Agriculture		\$100
(3) Application to change the place o	ruse			φ∠00

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This 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 provisions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 22057 A change application was received on requesting that the place of use and / or point of 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 Not Applicable 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 _ 300 radius of the authorized point(s) of diversion. Applicable \quad Not Applicable 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 Woot Applicable The point(s) of diversion authorized herein shall not actually be located more than _ authorized point(s) of diversion. Applicable \(\bigcap \) Not Applicable 5. feet from the previously 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 The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20_22, 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 Installation of the works for diversion of water shall be completed on or before December 31, 20 ..., or within any authorized extension of time. By March 1, 20_23 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. ☐ Not Applicable Applicable The completed well log shall be submitted with the required notice. Not Applicable ☐ 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 \(\simega\) Not Applicable Yes 11. Additional Conditions are attached. □ 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 Kansas Water Appropriation Law and the Rules and Regulations 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. Administrative Appeal and Effective Date of Order FOR OFFICE USE ONLY APPLICATION APPROVED AND If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, SUMMARY ORDER ISSUED you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for Duly Authorized Designee of the Chief Engineer administrative review by the Secretary must be filed within **30** days pursuant to K.S.A. 77-531. Any request for administrative (Print Name): Division of Water Resources - Kansas Department of Agriculture review must state a basis for review pursuant to K.S.A. 77-527. File any request with Kansas Department of Agriculture, Date of Issuance: Legal Division, 1320 Research Park Drive, Manhattan, KS 66502. Failure to timely request a hearing or review may State of Kansas preclude review under the Kansas Judicial Review Act. SS For Use by Register of Deeds County of Acknowledged before me on Signature: are Notaly Public JULIE JONES NOTARY My commission expires: My Appointment Expires My Appointment Expir Notary Seal ember 15, 2022

CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 22057

SE1/4 of Section 21 Township 28 South Range 38 West Grant County



By signing below I agree that all wells, including domestic, and owners names and addresses within 1/2 mile of the proposed point of diversion have been shown on the map

KANSAS DEPARTMENT OF AGRICULTURE Division of Water Resources Garden City Field Office

MEMORANDUM

TO: File

DATE: November 24, 2021

FROM: Michael A. Meyer

RE:

File No. 220573

Water Commissioner

An application to Change the Point of Diversion under the above referenced water right was received in this office June 22, 2021. This application received a recommendation from the GMD3 that there were concerning effects with the proposal to change the point of diversion which caused DWR to run Theis analysis for the application. This application appeared to show concerns of effects to the nearest well which was the same applicant. After collaboration with the applicant, he requested that since the effects were to his owner well could he limit both wells to mitigate the overall concern of the future effects of pumping this proposed location.

Therefore, theis was ran for both wells with the applicant's requested reduced diversion rate and quantity from his nearby well (File No. 18201), in order for us to calculate the remaining allowable diversion rate and quantity for the proposed point of diversion under the above referenced water right pending application. The calculations (attached) were done by David Englehaupt and the applicant agreed to reducing both water rights / wells for DWR to consider the application to meet the statute.

File No. 18201 will be reduced to 275 GPM and 400 AF (as requested by the applicant in a form of a *Request to Reduce a Portion of an Existing Water Right* application received and signed by the landowner/applicant), and their written agreement reduce the authorized diversion rate under File No. 22057 to 735 GPM.

With these reductions, it meets our future calculations to limit effects and thus can be approved.

22057 at 18201								
Scenario T	S	ST	Di	stance Qu	antity	Rate	Drawdown (FT)	Drawdown (%)
Proposed	2687	0.0006	60	2356	511	735	31.3	52.1%
Baseline	2687	0.0006	60	4290	158	100	5.2	8.7%
						Net	26.1	43.4%
18201 at 18201								
Scenario T	S	ST	Di	stance Qu	antity	Rate	Drawdown (FT)	Drawdown (%)
Proposed	2687	0.0006	60	1	400	275	40.0	66.6%
Baseline	2687	0.0006	60	1	357	400	54.1	90.1%
						Net	(14.1)	-23.5%
						Proposed:	71.21	118.7%
						Current:	59.27	98.8%
						Net:	11.94	19.9%

Meyer, Mike [KDA]

From:

Engelhaupt, David [KDA]

Sent:

Monday, November 22, 2021 1:47 PM

To:

Meyer, Mike [KDA]

Subject:

RE: 22057

Attachments:

Theis 22057.xlsb

Follow Up Flag:

Follow up

Flag Status:

Flagged

Mike,

Because there are two different wells being evaluated for options, the process becomes iterative. I've attached a spreadsheet that I used the last time you asked about a scenario. You can set the rate and quantity of 22057 in cells F3 and G3. The rate and quant for 18201 is set in F8 and G8. The net drawdown, in terms of % of saturated thickness, is output in I14. As long as that is 20% or less we'd consider it to pass our criteria. Make sense?

Regards

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

----Original Message----

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov> Sent: Monday, November 22, 2021 11:56 AM

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

Subject: FW: 22057 Importance: High

just a reminder. thanks

Mike

-----Original Message-----From: Meyer, Mike [KDA]

Sent: Friday, November 19, 2021 10:14 AM

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

Subject: FW: 22057 Importance: High

david, I would need this sooner than later (proposal below). the applicant on the change app is need to make decisions. he was pumping the proposed well (without approval), and I made him turn off. he needs to figure out his options between these two wells to move forward with his application

thank you again.

Mike

-----Original Message-----From: Meyer, Mike [KDA]

Sent: Thursday, November 18, 2021 10:39 AM

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

Subject: RE: 22057 Importance: High

david here is another proposal form applicant 18201 proposed at 275 GPM and 400 AF 22057 what would that leave from 22057

Mike

-----Original Message-----From: Meyer, Mike [KDA]

Sent: Thursday, November 18, 2021 7:34 AM

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

Subject: RE: 22057

good morning david. I know the applicant is going to ask for the sliding scale of these two wells to fit his needs. is that easily done?

Mike

----Original Message-----

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

Sent: Tuesday, September 28, 2021 3:22 PM To: Meyer, Mike [KDA] < Mike. Meyer@ks.gov>

Cc: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>

Subject: RE: 22057

Sure, allowable rate on 18201 drops to 321 GPM under that scenario, which in turn would mean they could pump even less quantity. Solving that iteratively I landed on 528 AF @ 326 GPM passing.

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

----Original Message----

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov> Sent: Tuesday, September 28, 2021 3:10 PM

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

Subject: RE: 22057

david, can you rerun file no. 18201 564 AF proposed rather than the 357 AF. (at a rate of 350 GPM, at 365 days a year is 564 AF....)

Mike

----Original Message-----

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

Sent: Tuesday, September 28, 2021 2:58 PM To: Meyer, Mike [KDA] < Mike. Meyer@ks.gov>

Cc: McColloch, Austin [KDA] < Austin. McColloch@ks.gov>

Subject: RE: 22057

Correct, that's the way I evaluated it.

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

----Original Message----

From: Meyer, Mike [KDA] < Mike. Meyer@ks.gov> Sent: Tuesday, September 28, 2021 2:57 PM

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

Subject: RE: 22057

okay, so we would not reduce the quantity for File No. 18201, just rates. we are just assuming he will not pump more than the past 357 AF under File No. 18201.

Mike

----Original Message----

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

Sent: Tuesday, September 28, 2021 2:55 PM To: Meyer, Mike [KDA] < Mike. Meyer@ks.gov>

Cc: McColloch, Austin [KDA] < Austin. McColloch@ks.gov>

Subject: RE: 22057

I didn't reduce the quantity to 22057. For File 18201 I assumed in both the current and proposed scenarios they would continue to pump their past average use. I think that is reasonable since there is no change to the file, it'd still be authorized its current quantity, but it's not likely that the change will result in increased use. In the case of the well that is relocating we can expect use will increase, since they will have more physical rate available, so we evaluate the authorized. Does that make sense? We haven't done a Theis like this before, so it's all open for discussion I suppose.

Thanks for catching the typo, I've corrected it and attached the clean version.

David Engelhaupt, P.E.
Technical Services Section Supervisor

Kansas Department of Agriculture Division of Water Resources (785) 564-6680

----Original Message-----

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov> Sent: Tuesday, September 28, 2021 2:44 PM

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

Subject: RE: 22057 Importance: High

but or AND with the reduced quantity listed on your report? 22057 proposed 511 AF 18201 prpposed 357 AF correct

also:

just a typo, but on your narrative, beginning the 4th line down, states "quantity to 450 GPM, and reducing the quantity of File No. 18,201...." should be "diversion rate limited to 450 GPM, and reducing the diversion rate of File No. 18201." correct?

Mike

----Original Message-----

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

Sent: Tuesday, September 28, 2021 2:06 PM To: Meyer, Mike [KDA] < Mike. Meyer@ks.gov>

Cc: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>

Subject: RE: 22057

Mike,

Report is attached. It passes with 450 on the west (22057) well and 350 on the east (18201 well). His initial proposal was 450 and 300, so it passes that, and can also pass with a bit more on the east.

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

----Original Message----

From: Meyer, Mike [KDA] < Mike. Meyer@ks.gov> Sent: Tuesday, September 21, 2021 7:51 AM

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

Subject: RE: 22057

Just a reminder when you have time thanks

Mike

----Original Message-----From: Meyer, Mike [KDA]

Sent: Wednesday, September 15, 2021 9:45 AM

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

Subject: RE: 22057

yes

Mike

----Original Message-----

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

Sent: Wednesday, September 15, 2021 9:45 AM To: Meyer, Mike [KDA] < Mike. Meyer@ks.gov>

Cc: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>

Subject: RE: 22057

Oh so he owns well that we evaluated Theis to as well, got it. I'll take a look at it.

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

----Original Message----

From: Meyer, Mike [KDA] <Mike.Meyer@ks.gov> Sent: Wednesday, September 15, 2021 9:40 AM

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

Subject: RE: 22057

so he is pointing to his current change app 22057 as the west well, and 18201 as the east well. (his 2 wells he wanting to balance out the effects of both to satisfy us...)

Mike

----Original Message-----

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

Sent: Wednesday, September 15, 2021 9:36 AM

To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>; McColloch, Austin [KDA] <Austin.McColloch@ks.gov>

Subject: RE: 22057

Mike,

Are you looking for an answer to Clay's question about 300 gpm on the east well and 450 gpm on the west one would like like for quantity? If so, what is he referring to by east and west wells? I only see one well on the file, so there must be a second file involved with the change?

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

----Original Message----

From: Meyer, Mike [KDA] < Mike. Meyer@ks.gov > Sent: Wednesday, September 15, 2021 9:25 AM

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

Subject: FW: 22057 Importance: High

recall 18201 was redrilled in the past and we required a reduction, and accepted this well is moving to the vacated old pdiv, and found effects, therefore reducations for this water right.

how can we evaluate this or any reason to, boils down this proposal needs to be reduced to limit effects to 18201 (or as GMD3 found limit effects to domestic wells to the west...)

Mike

----Original Message----

From: Clay & Nancy Scott <westacre@pld.com> Sent: Wednesday, September 15, 2021 9:20 AM To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>

Subject: Re: 22057

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Yes. Sorry for delay

Looking at balancing maybe

Makes more sense as well capacity drops.

What would 300 gpm on east well look like and 450 on west well

clay

On Sep 15, 2021, at 8:22 AM, Meyer, Mike [KDA] <Mike.Meyer@ks.gov> wrote:

clay good morning comments?

Mike

From: Meyer, Mike [KDA]

Sent: Tuesday, September 7, 2021 7:50 AM

To: 'clay scott (westacre@pld.com)' <westacre@pld.com>

Subject: 22057

clay good morning

just checking in to see if you decided what to do with the proposed well location for SW 21. recall GMD3 found critical wells based on the proposal, where they recommended a limit of 500 GPM and 360 AF., and we found concerns also that would require a reduced diversion rate and quantity. as we discussed the maximum quantity that could be maintained would be 289 AF, and a limit of 467 GPM. as you know those values could be adjusted (less rate, more quantity etc).

please provide a status of this proposal to keep the process moving.

thanks again.

Mike

<winmail.dat>



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

July 29, 2021

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. 22057

Dear Austin:

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 (2.5-3.0 ft in cases where saturated thickness is between 100-125ft and 125-150ft respectively), 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 effected. 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

JUL **2 9** 2021

Working Water Conservation Every Day Since 1976

Garden City Field Office Division of Water Resources

GMD3 Change Review

File No(s).: 22057.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Clay & Nancy Scott.

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) 02 being changed.

	ft. North	ft. West	
Authorized PD	2704	5222	Sect 21-28-38
Proposed PD	535	4190	
Difference	2169 s	1032 e	
a2 + b2 = c2	4704561	1065024	2401.996 foot move SE

GPS for proposed PD: Lat: __ Long:__.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: __.

Name Leigh Famrs LLC %Helen Leigh (8924, 21292).

Address 6161 W Road 11.

Zip Ulysses, KS 67880.

Email: <u>mfarm@pld.com.</u> Phone: <u>620-356-1565.</u>

Name Gerald W & Cynthia S Borthwick Rev Trust (20176).

Address 7609 W US Highway 160.

Zip <u>Ulysses, KS 67880</u>.

Email: goldenpr@pld.com. Phone: 620-353-8770.

Name Scout Energy Management LLC (34358, 34363, 45619).

Address 13800 Montfort RD, Suite 100.

Zip Dallas, TX 75240.

Email: <u>ssequera@scoutep.com</u>. Phone: <u>972-590-6353</u>.

Domestic well(s) notified: ___.

Name <u>Cesar Jacob & Paula Segovia</u> (NCE of SE 21-28-38).

Address 1203 N RD D.

Zip <u>Ulysses, KS 67880</u>.

Name Ronald & Ramona Haney Trust (NC of NE 29-28-38).

Address 3460 N Farmland RD.

Zip Garden City, KS 67846.

GMD3 Change Review

	D. 1. (C. 0. N
Name	Robert Sr & Norma Pauda (SW of SE 20-28-38).
Address	PO Box 898.
Zip	Lakin, KS 67860.
-	
Base Acr	res:
Perfected	Acres:
Irr. Retur	rn-Flow%
Moving	to location vacated previously by 18201.
Authoriz	zed: 511AF @ 1100gpm (2300' spacing)
Average	reported use (2011-2020): 157.8AF
100gpm	reported in 2018, 300gpm 2012.
Well not	running during 2017 inspection.
400gpm	reported in 2018 on proposed well that was reported under 18201.
Is a waiv	er needed: Move is less than half mile and minimum spacing appears to be met.
Analysis	showed possible critical wells in the area, both certified and domestic. Our
calculation	ons show that it could be mitigated with limitations of 360AF @ 500gpm. We
did not h	ave any comments from neighbor notices.
Recomm	endation: After review of all available information, it appears current area
rules are	met. Possible concerns with critical wells in the area. Staff would recommend

approval with verification that the critical wells are dealt with be limitations or data

showing them not to be.

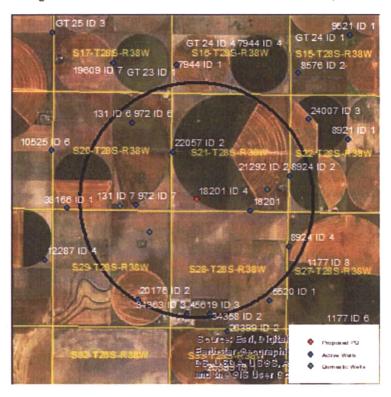
12

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JUL 29 2021

Evaluation of proposed move for Water Right No. 22057

Proposed: Move water right no. 22057 to a new well location a distance of 2,414 ft to the southeast.



Wells within 1 mile: 18201, 8924 & 21292, 131 & 972 ID6, 131 & 972 ID7, 20176, 3463 & 45619, 34358, 8924, a domestic well in section 20-28-38, a domestic well in section 21-28-38, and a domestic well in section 29-28-38.

The saturated thickness in the vicinity of the proposed well location ranges from 95 ft to 143 ft, based upon the GMD3 model. For saturated thickness between 75 ft and 100 ft, the drawdown allowance is 2.0 ft. For saturated thickness between 100 ft and 125 ft, the drawdown allowance is 2.5 ft. For saturated thickness between 125 ft and 150 ft, the drawdown allowance is 3.0 ft.

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

S = 0.1382, T = 11,357 ft²/day, $tp_{current} = 357$ days, $Q_{current} = 100$ gpm, $tp_{proposed} = 105$ days, $Q_{proposed} = 1100$ gpm

Theis drawdowns were calculated as follows:

18201:

Saturated thickness = 124 ft

Drawdown from current location = 0.68 ft

Drawdown from proposed location = 3.73 ft

Net drawdown = 3.0 ft

8924 & 21292:

Saturated thickness = 131 ft

Drawdown from current location = 0.63 ft

Drawdown from proposed location = 2.58 ft

Net drawdown = 1.9 ft

131 & 972 ID6:

Saturated thickness = 95 ft

Drawdown from current location = 0.87 ft

Drawdown from proposed location = 2.52 ft

Net drawdown = 1.7 ft

131 & 972 ID7:

Saturated thickness = 95 ft

Drawdown from current location = 0.79 ft

Drawdown from proposed location = 3.51 ft

Net drawdown = 2.7 ft

20176:

Saturated thickness = 113 ft

Drawdown from current location = 0.57 ft

Drawdown from proposed location = 2.31 ft

Net drawdown = 1.7 ft

3463 & 45619:

Saturated thickness = 128 ft

Drawdown from current location = 0.55 ft

Drawdown from proposed location = 2.32 ft

Net drawdown = 1.8 ft

34358:

128 ft

Drawdown from current location = 0.54 ft

Drawdown from proposed location = 2.31 ft

Net drawdown = 1.8 ft

8924:

Saturated thickness = 143 ft

Drawdown from current location = 0.57 ft

Drawdown from proposed location = 2.47 ft

Net drawdown = 1.9 ft

RECEIVED

JUL 29 2021

Garden City Field Office Division of Water Resources Domestic 20-28-38:

Saturated thickness = 95 ft

Drawdown from current location = 0.75 ft

Drawdown from proposed location = 3.04 ft

Net drawdown = 2.3 ft

Domestic 21-28-38:

Saturated thickness = 124 ft

Drawdown from current location = 0.67 ft

Drawdown from proposed location = 3.17 ft

Net drawdown = 2.5 ft

Domestic 29-28-38:

Saturated thickness = 113 ft

Drawdown from current location = 0.73 ft

Drawdown from proposed location = 3.65 ft

Net drawdown = 2.9 ft

Net drawdown exceeds the drawdown allowance for water right numbers 18201, 131 & 972 ID7, and each of the domestic wells. This means that it is likely that well to well interaction from the proposed well location will produce a noticeable effect on neighboring wells. Critical well analysis was performed on the three domestic wells. Analysis was not performed on 18201 and 131 & 972 ID7 because those wells are owned and operated by the applicant.

Critical Well Evaluation:

Domestic 20-28-38:

Water Column = 95 ft

DP = 2.7 ft (Net drawdown from the proposal indicated above)

DE = 38.8 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 41.5 ft

Economic Drawdown Constraint (EDC) = 0.4 * 124 ft = 38 ft

Physical Drawdown Constraint (PDC) = 95 ft - 20 ft = 75 ft

Total drawdown of 41.5 ft is greater than the EDC, so this well is critical.

Domestic 21-28-38:

Water Column = 124 ft

DP = 3.5 ft (Net drawdown from the proposal indicated above)

DE = 45.4 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 48.9 ft

Economic Drawdown Constraint (EDC) = 0.4 * 124 ft = 49.6 ft

Physical Drawdown Constraint (PDC) = 124 ft - 20 ft = 104 ft

Total drawdown of 48.9 ft does not exceed the EDC or PDC, so this well is not critical.

Domestic 29-28-38:

Water Column = 113 ft

DP = 2.9 ft (Net drawdown from the proposal indicated above)

DE = 42.8 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 45.7 ft

Economic Drawdown Constraint (EDC) = 0.4 * 113 ft = 45.2 ft

Physical Drawdown Constraint (PDC) = 113 ft - 20 ft = 93 ft

Total drawdown of 45.7 ft is greater than the EDC, so this well is critical.

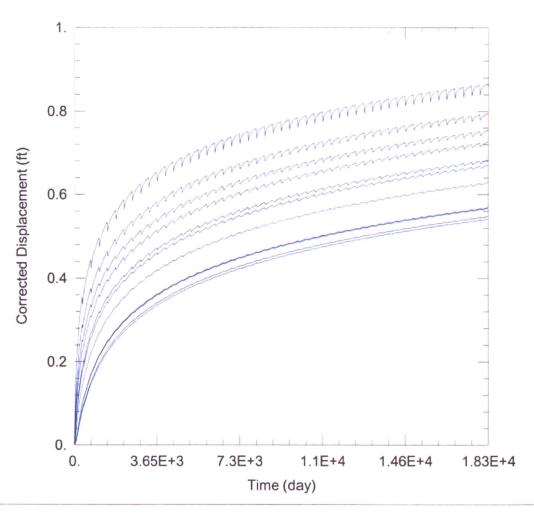
Conclusion:

The proposed move is located in an area with depleted aquifer and local wells have diminishing pumping capacities. If the new well is operated at the proposed rate and quantity, it is likely to create noticeable effects on neighboring critical wells. 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 discuss options for mitigating effects. Otherwise, the move may be approved at full rate and quantity as it meets all rules and regulations.

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JUL 2 9 2021

Garden City Field Office Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\22057\22057 Current.aqt

Date: 07/13/21 Time: 11:25:45

PROJECT INFORMATION

Company: GMD 3 Project: 22057

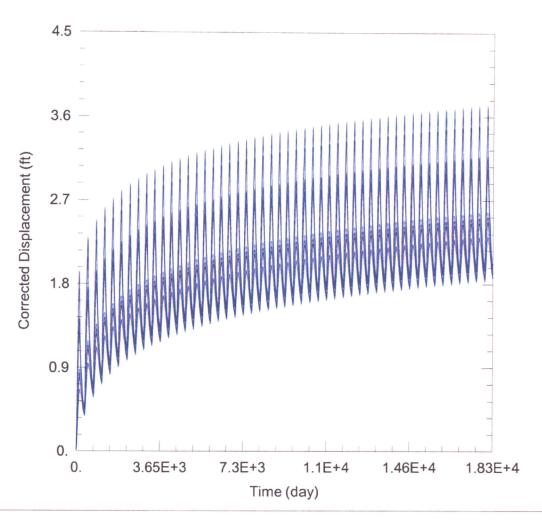
Location: Grant County

WELL DATA

PU	imping wells	
Well Name	X (ft)	Y (ft)
22057	-200010	264143

Observa	ation Wells	
Well Name	X (ft)	Y (ft)
D	-200010	264143
18201	-196475	261491
 8924 & 21292 	-194716	263063
□ 131 & 972 ID6	-201826	265442
□ 131 & 972 ID7	-201651	261740
20176	-201566	257508
3463 & 45619	-199340	256844
· 34358	-198325	256829
□ 8924	-194768	259873
 Domestic 20-28-38 	-202377	261719
Domestic 21-28-38	-195710	262428
 Domestic 29-28-38 	-201062	260530

SOLUTION



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\22057\22057 Proposed.aqt

Date: 07/13/21 Time: 11:25:54

PROJECT INFORMATION

RECEIVED

Company: GMD 3 Project: 22057

Location: Grant County

JUL **2 9** 2021

WELL DATA

Garden City Field Office Division of Water Resources

Pumping Wells

Well Name	X (ft)	Y (ft)
22057	-198925	261986

Well Name	X (ft)	Y (ft)
	-198925	261986
- 18201	-196475	261491
 8924 & 21292 	-194716	263063
□ 131 & 972 ID6	-201826	265442
□ 131 & 972 ID7	-201651	261740
20176	-201566	257508
3463 & 45619	-199340	256844
· 34358	-198325	256829
8924	-194768	259873
 Domestic 20-28-38 	-202377	261719
 Domestic 21-28-38 	-195710	262428
 Domestic 29-28-38 	-201062	260530

Observation Wells

SOLUTION

1/

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

535 Feet N and 4190 Feet W of the Southeast Corner of Section 21 Twp 28S Rng 38W

Located at: 101.485977 West Longitude and 37.592537 North Latitude

Both	SURFACI	E W	ATER	an	d GI	ROUND	WATER		===:	_==:						.===	2	300' 00 0	λ ('
File Unit	Number		Use	ST	SR	Dist	(ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID Ba	att Auth_Quan	Add_Quan
A_AF	131	00	IRR	NK	G		2824	/_	SE	SW	SE	45	1665	20	28	38W	7	489.00	489.00
Same A_	972	00	IRR	NK	G		4514 2824	NC	W2 SE	W2 SW	NE SE	3930 45	1800 1665	20 20	28 28	38W 38W	6 7	471.00	471.00
AF Same							4514	NC.	W2	W2	NE	3930 1585	1800	20	28	38W	6		
AAF	8924	00	IRR	NK	G													196.00 419.00	
AF A_	18201	00	IRR	NK	G			-										640.00	
AF A	20176							/				1235						260.00	
AF A	21292	00	IRR	NK	G		4378			CW	SW	1585	5215	22	28	38W	2	111.00	111.00
AF A_AF	22057	00	IRR	NK				/				2704						511.00	511.00
A_AF	34358											638						2.35	
A_AF	34363																	2.78	
AF	45619											638						5.35	5.35
Total	Net Qu	uan	titi	es l	Autl	horiz	ed:	Di	rect	t	:		orage					50	Pacina
	Reques Permit												.00			/ /	10.0		
Total	Insped	cte	d Am	ount	t (2	AF) =			.00				.00			Ac	Pear	nan Sp	
Total	Pro_Ce Certif Vested	Ĺ	d Am	ouni ouni	t (2	AF) =			.00	0			.00			r	1		
	AMOUNT					AF) =		310	7.49	9			.00		_				

An \star after the source of supply indicates a pending application for change under the file number.

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

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

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

Water Rights and Points of Diversion Within 1 mile of point defined as:
535 Feet North and 4190 Feet West of the Southeast Corner of Section 21 Twp 28S Rng 38W
Located at: 101.485977 West Longitude and 37.592537 North Latitude
Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

File Number Use ST SR		
> CLAY B & NANCY J SCOTT		Applante
>		1 mario
> 1773 N ROAD B	1271	1466
> ULYSSES KS 67880	1 /	`,
>		1
> CLAY B & NANCY J SCOTT		/
>	972	/
> 1773 N ROAD B	4.1.	,
> ULYSSES KS 67880		
>		

LEIGH FARMS LLC > HELEN LEIGH > 6161 W ROAD 11 > ULYSSES KS 67880 > CLAY B & NANCY J SCOTT Applicant > 1773 N ROAD B > ULYSSES KS 67880 1820 > GERALD W & CYNTHIA S BORTHWICK REV TRUSTS/ > > 7609 W US HIGHWAY 160 > ULYSSES KS 67880 20176 > LEIGH FARMS LLC > HELEN LEIGH 21292 > 6161 W ROAD 11 > ULYSSES KS 67880 Application >-----> CLAY B & NANCY J SCOTT > 1773 N ROAD B > ULYSSES KS 67880 > SCOUT ENERGY MANAGEMENT LLC > REGULATORY MANAGER > 13800 MONTFORT RD SUITE 100 > DALLAS TX 75240 341358 > SCOUT ENERGY MANAGEMENT LLC > REGULATORY MANAGER > 13800 MONTFORT RD SUITE 100 > DALLAS TX 75240 34363 > SCOUT ENERGY MANAGEMENT LLC > REGULATORY MANAGER > 13800 MONTFORT RD SUITE 100 > DALLAS TX 75240 456/6

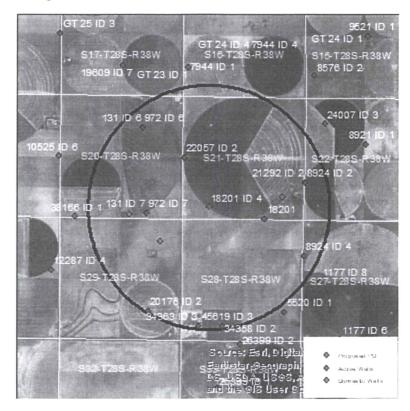
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Garden City Field Office Division of Water Resources

Evaluation of proposed move for Water Right No. 22057

Proposed: Move water right no. 22057 to a new well location a distance of 2,414 ft to the southeast.



Wells within 1 mile: 18201, 8924 & 21292, 131 & 972 ID6, 131 & 972 ID7, 20176, 3463 & 45619, 34358, 8924, a domestic well in section 20-28-38, a domestic well in section 21-28-38, and a domestic well in section 29-28-38.

The saturated thickness in the vicinity of the proposed well location ranges from 95 ft to 143 ft, based upon the GMD3 model. For saturated thickness between 75 ft and 100 ft, the drawdown allowance is 2.0 ft. For saturated thickness between 100 ft and 125 ft, the drawdown allowance is 2.5 ft. For saturated thickness between 125 ft and 150 ft, the drawdown allowance is 3.0 ft.

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

S = 0.1382, T = 11,357 ft²/day, $tp_{current} = 357$ days, $Q_{current} = 100$ gpm, $tp_{proposed} = 105$ days, $Q_{proposed} = 1100$ gpm

Theis drawdowns were calculated as follows:

18201:

Saturated thickness = 124 ft

Drawdown from current location = 0.68 ft

Drawdown from proposed location = 3.73 ft

Net drawdown = 3.0 ft

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Garden City Field Office Division of Water Resources 8924 & 21292:

Saturated thickness = 131 ft

Drawdown from current location = 0.63 ft

Drawdown from proposed location = 2.58 ft

Net drawdown = 1.9 ft

131 & 972 ID6:

Saturated thickness = 95 ft

Drawdown from current location = 0.87 ft

Drawdown from proposed location = 2.52 ft

Net drawdown = 1.7 ft

131 & 972 ID7:

Saturated thickness = 95 ft

Drawdown from current location = 0.79 ft

Drawdown from proposed location = 3.51 ft

Net drawdown = 2.7 ft

20176:

Saturated thickness = 113 ft

Drawdown from current location = 0.57 ft

Drawdown from proposed location = 2.31 ft

Net drawdown = 1.7 ft

3463 & 45619:

Saturated thickness = 128 ft

Drawdown from current location = 0.55 ft

Drawdown from proposed location = 2.32 ft

Net drawdown = 1.8 ft

34358:

128 ft

Drawdown from current location = 0.54 ft

Drawdown from proposed location = 2.31 ft

Net drawdown = 1.8 ft

8924:

Saturated thickness = 143 ft

Drawdown from current location = 0.57 ft

Drawdown from proposed location = 2.47 ft

Net drawdown = 1.9 ft

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Garden City Field Office Division of Water Resources Domestic 20-28-38:

Saturated thickness = 95 ft

Drawdown from current location = 0.75 ft

Drawdown from proposed location = 3.04 ft

Net drawdown = 2.3 ft

Domestic 21-28-38:

Saturated thickness = 124 ft

Drawdown from current location = 0.67 ft

Drawdown from proposed location = 3.17 ft

Net drawdown = 2.5 ft

Domestic 29-28-38:

Saturated thickness = 113 ft

Drawdown from current location = 0.73 ft

Drawdown from proposed location = 3.65 ft

Net drawdown = 2.9 ft

Net drawdown exceeds the drawdown allowance for water right numbers 18201, 131 & 972 ID7, and each of the domestic wells. This means that it is likely that well to well interaction from the proposed well location will produce a noticeable effect on neighboring wells. Critical well analysis was performed on the three domestic wells. Analysis was not performed on 18201 and 131 & 972 ID7 because those wells are owned and operated by the applicant.

Critical Well Evaluation:

Domestic 20-28-38:

Water Column = 95 ft

DP = 2.7 ft (Net drawdown from the proposal indicated above)

DE = 38.8 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 41.5 ft

Economic Drawdown Constraint (EDC) = 0.4 * 124 ft = 38 ft

Physical Drawdown Constraint (PDC) = 95 ft - 20 ft = 75 ft

Total drawdown of 41.5 ft is greater than the EDC, so this well is critical.



Domestic 21-28-38:

Water Column = 124 ft

DP = 3.5 ft (Net drawdown from the proposal indicated above)

DE = 45.4 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 48.9 ft

Economic Drawdown Constraint (EDC) = 0.4 * 124 ft = 49.6 ft

Physical Drawdown Constraint (PDC) = 124 ft - 20 ft = 104 ft

Total drawdown of 48.9 ft does not exceed the EDC or PDC, so this well is not critical.

Domestic 29-28-38:

Water Column = 113 ft

DP = 2.9 ft (Net drawdown from the proposal indicated above)

DE = 42.8 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 45.7 ft

Economic Drawdown Constraint (EDC) = 0.4 * 113 ft = 45.2 ft

Physical Drawdown Constraint (PDC) = 113 ft -20 ft = 93 ft

Total drawdown of 45.7 ft is greater than the EDC, so this well is critical.

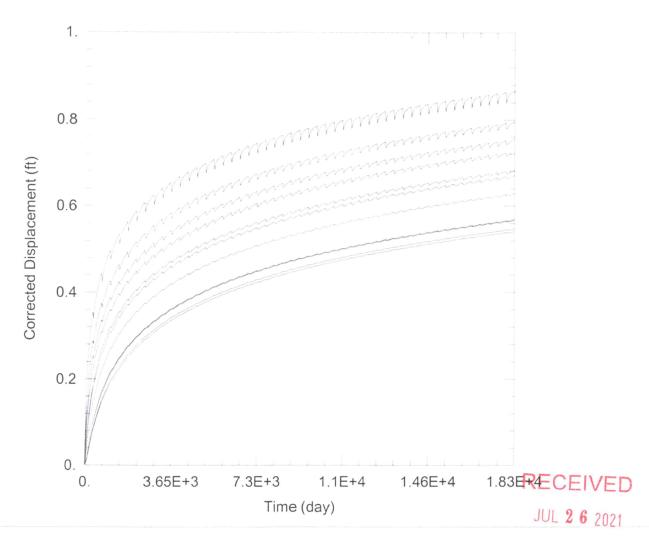
Conclusion:

The proposed move is located in an area with depleted aquifer and local wells have diminishing pumping capacities. If the new well is operated at the proposed rate and quantity, it is likely to create noticeable effects on neighboring critical wells. 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 discuss options for mitigating effects. Otherwise, the move may be approved at full rate and quantity as it meets all rules and regulations.

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WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\22057\22057 Current.aqt

Date: 07/13/21

Time: 11:25:45

Garden City Field Office Division of Water Resources

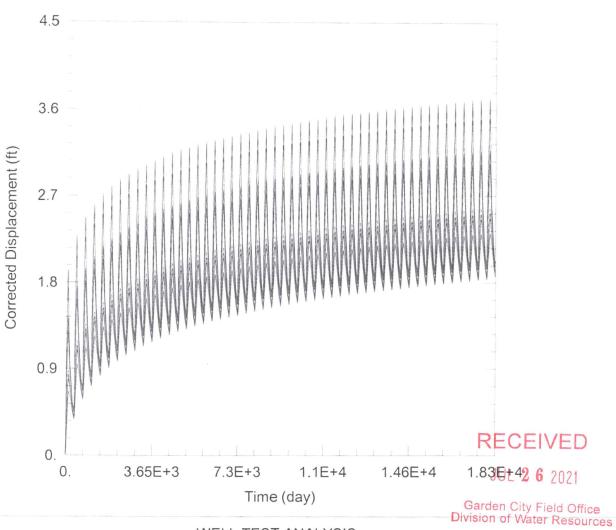
PROJECT INFORMATION

Company: GMD 3 Project: 22057

Location: Grant County

WELL DATA

Pui	mping Wells		Observation Wells						
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)				
22057	-200010	-200010 264143		-200010	264143				
			□ 18201	-196475	261491				
			8924 & 21292	-194716	263063				
			a 131 & 972 ID6	-201826	265442				
			= 131 & 972 ID7	-201651	261740				
			20176	-201566	257508				
			3463 & 45619	-199340	256844				
			34358	-198325	256829				
			8924	-194768	259873				
			Domestic 20-28-38	-202377	261719				
			Domestic 21-28-38	-195710	262428				
			Domestic 29-28-38	-201062	260530				



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\22057\22057 Proposed.aqt

Date: 07/13/21 Time: 11:25:54

Pumping Wells

PROJECT INFORMATION

Company: GMD 3 Project: 22057

Location: Grant County

WELL DATA

Observation Wells

-195710

-201062

262428

260530

Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
22057	-198925	261986		-198925	261986
			18201	-196475	261491
			8924 & 21292	-194716	263063
			□ 131 & 972 ID6	-201826	265442
			□ 131 & 972 ID7	-201651	261740
			20176	-201566	257508
			3463 & 45619	-199340	256844
			34358	-198325	256829
			8924	-194768	259873
			Domestic 20-28-38	-202377	261719

Domestic 21-28-38

Domestic 29-28-38

Garden City Field Office 4532 W. Jones, Suite B Garden City, KS 67846



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

Mike Beam, Secretary

Laura Kelly, Governor

June 28, 2021

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

Change Application, File No. 22057

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Clay Scott 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: