# Kansas Department of Agriculture Division of Water Resources

# CHANGE: P/D WORKSHEET

1. File Number: 2. Status Change Date: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		3. Change Num:	4. Field Office: <b>04</b>	5. GMD:	
6. Status: ☐ Approved ☐ De	nied by DWR/GMD	Dismiss by Reques	st/Failure to Return	7. Filing Date of Change: 9/8/2020	
8a. Landowner , applicant, correspor New to system ☐  VYN LAND & CATTLE PO BOX 1567 DALHART TX 79022	Add Seq#	8c. Landown New to sy		Person IDAdd Seq#	
8b. Landowner(s), New to system □	Person ID	8d. correspor	ndent	Person ID	
8e. Landowner(s), New to system □	Person IDAdd Seq#	New to sy	Stelli 🗀	Add Seq#	
9. Documents and Enclosure(s): ☐ ☐ Anti-Reverse Meter ☐ Mete				Comply: <u>3/1/2021</u>   riller Copy ☐ H & E Letter	
	ired: Da			Comply:	
10. Use Made of Water From:		To: _			
			Date Prepared: <b>10/16</b> Date Entered:	<b>/2020</b> Ву: <b>МАМ</b> Ву:	

File No. 20928	11. County	: KE	Bas	sin: AR	KAN	SAS R	IVER			S	tream:								rmation ( 1/331	Code:	Special Use:
12. Points of Diversion CHK MOD															and Qu	uantity zed		A	dditional		
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13. Storage: Rate		NF	Quan	ntity					_ac/ft	A	ddition	al Rat	e				NF	Addi	tional Qu	antity	ac/ft
14. Limitation:	af/yr	at			9	gpm (_				cfs) w	hen co	mbine	ed with	n file n	umber	(s)	P)	14			
Limitation:	af/yr	at	<u>ishl</u>		9	gpm (_				cfs) w	hen co	mbine	ed with	file n	umber	(s)					
15. 5YR Allocation: Allocation	Туре	_ Sta	art Year			5 YR A	Amou	nt		Amo	ount Ur	nit		Base	Acres		_ c	omment _			
16. Place of Use CHK			NE	1/4			NV	V1/4			sv	V1/4			s	E1/4		Total	Owner	Chg?	Overlap Files
MOD DEL ENT PUSE S T R	ID	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4				
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Base Acres: Year:	N	/linimun	n Reaso	onable	Quan	itity:															
Comments:																					



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

Mike Beam, Secretary

Laura Kelly, Governor

October 19, 2020

VYN LAND & CATTLE PO BOX 1567 DALHART TX 79022

RE: Water Right, File Nos. 16406, 20926, 20928, 20933

Dear Sir:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approvals 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 numbers 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 these orders modify the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM enclosures

pc:

GMD3

#### CERTIFICATE OF SERVICE

On this 19<sup>th</sup> day of October 2020, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 16406, 20926, 20928, 20933 dated the 19<sup>th</sup> day of October 2020 was mailed postage prepaid, first class, US mail to the following:

VYN LAND & CATTLE
PO BOX 1567
DALHART TX 79022

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

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.

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	in Kearny	County, Kar	sas, <u>1320</u>	feet North _	1320 fe	et West of Se	outheast corner	of section.
	Authorized Rate	Auth	orized Quantity	-	Depth of	well	(feet)	
		omputer ID No. 01						
	☐This point will not	be changed  This po	oint will be change	ed as follows: [	No change, p	oint better de	scribed with GPS	as follows:
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	(please be specific)	ole log attached?		300			100 200	
9.	The change(s) (was)	(will be) completed by	?	100			+ 1 + 1	100
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	If the point of diversion			W 0		I		, East
	(a) What are you go	oing to do with the old	well?	westo				Cast
				<b>1</b>		Address Addres	*******	7
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	(b) When will this be	e done?			.\			/追
11.	Groundwater Manag	ement District recomms	endation attache	Backer Backer Backer Backer Backer		400 400 400 400 400 400 400 400 400 400	+ + + +	200
12.	Assisted by			300		00 0	100 200	ഥ년 300
	feet but within 2,640 a topographic map sources, show all we of the proposed poir addresses of the ow names and addres	of diversion will be relo feet of the existing poir or aerial photograph ills (including domestion of diversion and the eners. For surface wate sess of the landown the all mile upstream	nt of diversion, at For groundw within one-half names and ma er sources, show er(s) one-half	300 tach 13b.If the rater foot r mile on th diver the within	proposed poir adius of the ex e diagram sho sion. The pro n the circle sho	South  nt of diversion disting point of what above in poposed point bown above. ( am above	Scale: 1 hashmark=	within a 300 te its location sting point of the located The "X" in

lines

5. Presently authorized point of diversion:

14. If the proposed groundwater point of diversion is 300 or fewer fee	et from the existing point of diversion, complete the following:
(a) Does the undersigned represent all owners of the currently a Yes No (If no, all owners must sign this a	
<ul> <li>(b) Will the ownership interest of any owner of the currently au affected if this application is approved as requested?</li> <li>☐ Yes</li> <li>☐ No</li> <li>(If yes, all owners must sign this application)</li> </ul>	application.)
(c) If this application is not approved expeditiously, will there be ☐ Yes ☐ No (If no, all owners must sign this a	substantial damage to property, public health or safety? pplication.)
If the application proposes a surface water change in point of diversio or a change in place of use, the application must be signed by all own agent (attach notarized statement authorizing representation).	
I hereby verify, being first duly sworn upon my oath or affage and the owner, the spouse of the owner, or a duly authorist behalf, in regards to the water right(s) to which this contained in this application are true, correct and complete	horized agent of the owner(s) to make this application on application pertains. I further verify that the statements e.
Dated at Dalhart , Kansas, t	this 2nd day of September , 2020.
Qui	
Justin Van	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
STARY PUBL	LISA UNRUH
(Please Print)	NOTARY PUBLIC STATE OF TEXAS (Please Print)
	MY COMM. EXP. 11/05/22
County of Dallam SS	NOTARY ID 13178771-6
I hereby certify that the foregoing application was signed i of September , 20 20 .	n my presence and sworn to before me this 2nd day
	Lulle
My Commission Expires 11/05/2022	Notary Public
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete accurate information; maps, if necessary, must be included; signatures of all the appropriate fee must be paid.	
FEE SCHE	EDULE
Each application to change the place of use or the point of diversion u forth in the schedule below: Make checks payable to: Kansas Depar (1) Application to change a point of diversion 300 feet or less (2) Application to change a point of diversion more than 300 (3) Application to change the place of use	rinder this section shall be accompanied by the application fee set

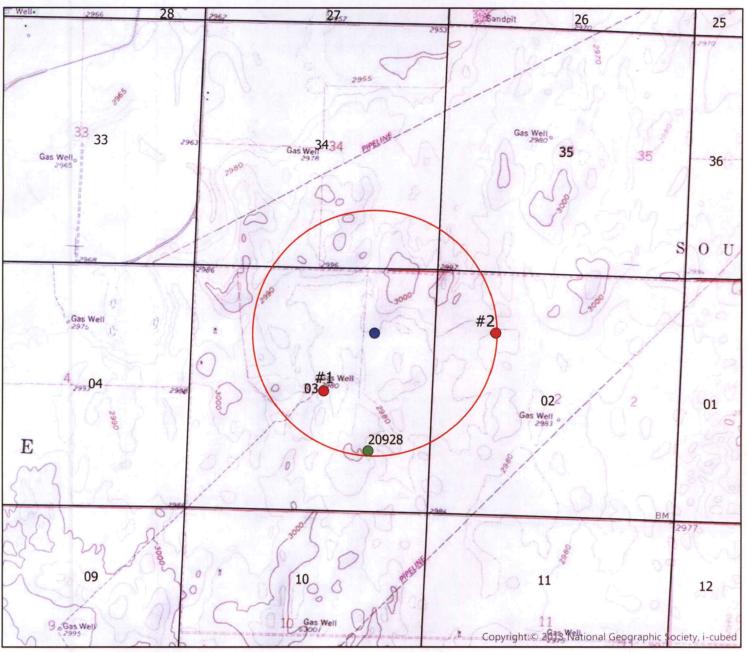
#### SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

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. 20,928 Otember 8,2020 requesting that the place of use and / or point of A change application was received on diversion authorized under the above-referenced file number be changed as described in the application. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on 2. ✓ Not Applicable the topographic map accompanying the application to change the place of use. 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 4 The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. 

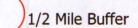
Applicable 
Not Applicable The point(s) of diversion authorized herein shall not actually be located more than \_ feet from the previously authorized point(s) of diversion. Applicable Not Applicable As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons 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\_\_\_\_\_\_\_, 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. ☐ Not Applicable Installation of the works for diversion of water shall be completed on or before December 31, 20 < o \_ , or within any authorized extension of time. By March 1, 20 / 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 Not Applicable The completed well log shall be submitted with the required notice. 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 \subseteq Not Applicable 11. Additional Conditions are attached. Yes □ No 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *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. FOR OFFICE USE ONLY Administrative Appeal and Effective Date of Order 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): review must state a basis for review pursuant to K.S.A. 77-527. Division of Water Resources - Kansas Department of Agriculture File any request with Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS Date of Issuance: 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 Acknowledged before me on Signature: W Notery Public STATE OF **JULIE JONES** My commission expires: NOTARY My Appointment Expires PUBLIC (Notary Seamber 15, 2022

# **CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 20928**

NE1/4 of Section 3 Township 25 South Range 35 West Kearny County



- Authorized Point of Diversion
- Proposed Point of Diversion
- ★ Domestic Wells within 1/2 mile
- Permitted Wells within 1/2 mile



List of owner name and addresses within 1/2 mile:

#1 File No. 45870 GRAHAM FARMS INC

#2 File No. 16406

VYN LAND AND CATTLE



All wells of any kind within 1/2 mile of the proposed point of diversion have been plotted.

(Signature)

Date

Date: 8/26/2020 HH/GCFO Scale: 1:24,000



# 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

October 19, 2020

Michael A. Meyer Division of Water Resources 4532 W Jones Ave., Suite B Garden City, Kansas 67846

RE: Application for Change in Point of Diversions

Water Right, File Nos. 16406, 20926, 20928 & 20933

Dear Mike:

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

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (3.5 or 4.0 ft in cases where saturated thickness between 150-200' and greater than 200 ft 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 one of the neighboring wells exceeded the net effect above the maximum allowable threshold, but further evaluation determined it was not critical. Our office received no comments of concern from neighboring well owners. Therefore, GMD3 sees this move as reasonable and therefore recommend that the application be approved. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,

Jason L. Norquest Assistant Manager

RECEIVED

OCT 1 9 2020

# **GMD3** Change Review

File No(s).: 16406, 20926, 20928 & 20933.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Vyn Land & Cattle .

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) Multiple being changed.

See attached sheet for all calculations

1640	06 ft. North	ft. West		
Authorized PD	3960	3960	Sect 2-25-35	
Proposed PD	5112	5220		
Difference	-1152 n	-1260 w		
a2 + b2 = c2	1327104	1587600	1707.25 foot move NW	

GPS for proposed PD: Lat: \_\_ Long:\_\_.

Is proposed PD stacking on existing WRs? No. the moves are going to new wells or to wells vacated in these changes.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: \_\_.

Name Rodger L & Cheryl Koehn (15583, KE84).

Address 2350 Road 130.

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

Email: <u>rodger.koehn@gmail.com.</u> Phone: <u>620-271-7541</u>.

Name Graham Farms LLC (15730 01, 20927, 45870, 20935, 20936).

Address <u>2150 Road 220</u>.

Zip Deerfield, KS 67838.

Email: <a href="mailto:cweatherred@gmail.com">cweatherred@gmail.com</a>. Phone: <a href="mailto:620-272-3074">620-272-3074</a>.

Name Morgan Land & Cattle Inc % Mickey Morgan (11780, KE48).

Address 2149 Highway 50.

Zip <u>Deerfield, KS 67838</u>.

Email: mlmorgan@pld.com. Phone: 620-355-1713.

Name Kyle & Geneva Koehn (14344D1).

Address 1205 Road Y.

Zip Lakin, KS 67860.

Email: kgkoehn88@gmail.com. Phone: 620-426-7240.

Name Calvin R & Debra J Koehn (14344D3).

Address <u>9228 N 2420 RD</u>.

# **GMD3** Change Review

Zip Thomas, OK 73669. Email: kgkoehn88@gmail.com. Phone: Name Dale & Cynthia G Yost (20932). Address 1142 Road AA. Zip Lakin, KS 67860. Email: dchayfarms@gmail.com. Phone: 620-277-5107. Name Tim Yost (20937). Address 2396 Road 115. Zip Lakin, KS 67860 Email: tkyost12@gmail.com. Phone: 620-277-5107. Domestic well(s) notified: \_\_. Marilyn Sue Wolfe Trust (SE 33-24-35. Name Address PO Box 875. Zip Lakin, KS 67860. Name Larry F & Patsy S Goree (NE CE 4-25-35). Address 1249 Road Y. Lakin, KS 67860. Zip Name Eva Dyck (NE 4-25-35). Address 2143 Road 130. Zip Lakin, KS 67860. Name John & Jana Jenkinson (SE NE 2-25-35). Address PO Box 475 Lakin, KS 67860. Lakin, KS 67860. Zip Name Cory & Jessica Weatherred (NW NE 2-25-35). Address 2357 Road 130. Zip Lakin, KS 67860. Name Keith W & Karen S Giesbrecht (SE SE 35-24-35). Address 2394 Road 130. Lakin, KS 67860. Zip

Base Acres: \_\_\_.

OCT 1 9 2020

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# **GMD3** Change Review

Perfected Acres:	
Irr. Return-Flow	%

Applications appear to be moving 6 wells under 16406, 20926 & 20928. Reality is they are only drilling 2 new wells and the rest are being shifted to existing wells under these water rights.

16406:

ID2 will move to new well in NE corner ID4 will move to ID6 ID5 will move to well vacated by 20928 ID6 will move to ID2

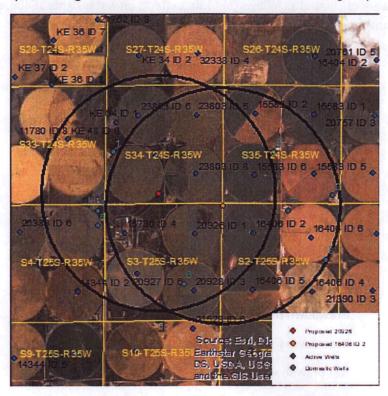
20926 will move to a new well in section 34 20928 will move to the well vacated by 20926 20933 is a redrill that stands by itself.

Is a waiver needed: <u>Distance moved and minimum spacing to neighboring wells in all cases appears to be met</u>. Analysis shows that only one well exceeded first criteria but none of them were found to be critical. We did not receive any official concern from notices.

Recommendation: After review of all available information, it appears current area rules are met. Analysis was favorable for the neighboring area. Staff therefore recommends approval of the applications.

#### Evaluation of proposed moves for Water Right Nos 16406, 20926, and 20928

Proposed: Move water right nos. 16406, 20926, and 20928. Water right 16406 ID 5 will move to the well currently authorized under water right 20928. Water right 16406 ID 4 will move to the well currently authorized under water right 16406 ID 6. Water right 16406 ID6 will move to the well currently authorized under water right 16406 ID 2. Water right 20928 will move to the well currently authorized under water right 20926. Water right 16406 ID 2 will move to a new location, 1,831 feet to the northwest. Water right 20926 will move to a new location, 2,493 ft to the northwest. No existing well is gaining new authority. Water right nos. 16406 ID 5 and 16406 ID 4 will no longer operate.



Wells within 1 mile of wells to be drilled: 11780 & KE 48, KE 84, 23803 ID 5, 23803 ID 6, 23803 ID 8, 23803 ID 9, 15583 ID 2, 15583 ID 5, 15583 ID 6, 15730, 20927, 20928, 45870, 16406 ID 6, and 8 domestic wells, numbered on the above map.

The saturated thickness at the proposed well location for water right no. 20296 is estimated to be 220 ft, based upon the GMD3 model. The saturated thickness at the proposed well location for water right no. 16406 ID 2 is 189 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft. For saturated thicknesses between 150 ft and 200 ft, the drawdown allowance is 3.5 ft. For this application, the drawdown allowance is 4.0 ft except for in sections 35-24-35 and 2-25-35, where the drawdown allowance is 3.5 ft.

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

S = 0.1304, T = 10,021 ft<sup>2</sup>/day

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OCT 1 9 2020

16406 ID 5:  $tp_{current} = 120 days$  (assumed duration of irrigation season),  $Q_{current} = 442 gpm$  (based upon average use at 120 days operating)

16406 ID 4: tp<sub>current</sub> = 165 days (based upon average use and observed rate), Q<sub>current</sub> = 197 gpm (based upon 2014 inspection)

20926: tpproposed = 65 days, Qproposed = 940 gpm

16406 ID 2: tpproposed = 58 days, Qproposed = 990 gpm

Theis drawdowns were calculated as follows (note that effects on water rights 16406, and 20928 are at current well locations):

11780 & KE 48: Drawdown from current location = 1.15 ft

Drawdown from proposed location = 2.44 ft

Net drawdown = 1.3 ft

KE 84: Drawdown from current location = 1.23 ft

Drawdown from proposed location = 2.87 ft

Net drawdown = 1.6 ft

23803 ID 5: Drawdown from current location = 1.38 ft

Drawdown from proposed location = 3.17 ft

Net drawdown = 1.8 ft

23803 ID 6: Drawdown from current location = 1.26 ft

Drawdown from proposed location = 2.99 ft

Net drawdown = 1.7 ft

23803 ID 8: Drawdown from current location = 1.65 ft

Drawdown from proposed location = 5.90 ft

Net drawdown = 4.3 ft

23803 ID 9: Drawdown from current location = 1.43ft

Drawdown from proposed location = 4.80 ft

Net drawdown = 3.4 ft

15583 ID 2: Drawdown from current location = 1.44 ft

Drawdown from proposed location = 2.75 ft

Net drawdown = 1.3 ft

15583 ID 5:

Drawdown from current location = 1.76 ft

Drawdown from proposed location = 2.54 ft

Net drawdown = 0.8 ft

15583 ID 6:

Drawdown from current location = 1.82 ft

Drawdown from proposed location = 4.19 ft

Net drawdown = 2.4 ft

15730:

Drawdown from current location = 1.54 ft

Drawdown from proposed location = 3.88 ft

Net drawdown = 2.3 ft

20927:

Drawdown from current location = 1.69 ft

Drawdown from proposed location = 3.05 ft

Net drawdown = 1.4 ft

20928:

Drawdown from current location = 2.43 ft

Drawdown from proposed location = 3.00 ft

Net drawdown = 0.6 ft

45870:

Drawdown from current location = 2.01 ft

Drawdown from proposed location = 3.76 ft

Net drawdown = 1.8 ft

16406 ID 6:

Drawdown from current location = 2.52 ft

Drawdown from proposed location = 2.56 ft

Net drawdown = 0.0 ft

Domestic 1:

Drawdown from current location = 1.29 ft

Drawdown from proposed location = 3.40 ft

Net drawdown = 2.1 ft

Domestic 2:

Drawdown from current location = 1.88 ft

Drawdown from proposed location = 2.34 ft

Net drawdown = 0.5 ft

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Garden City Field Office Division of Water Resources Domestic 3: Drawdown from current location = 1.65 ft

Drawdown from proposed location = 3.02 ft

Net drawdown = 1.4 ft

Domestic 4: Drawdown from current location = 1.37 ft

Drawdown from proposed location = 3.32 ft

Net drawdown = 1.9 ft

Domestic 5: Drawdown from current location = 1.40 ft

Drawdown from proposed location = 3.16 ft

Net drawdown = 1.8 ft

Domestic 6: Drawdown from current location = 2.26 ft

Drawdown from proposed location = 3.13 ft

Net drawdown = 0.9 ft

Domestic 7: Drawdown from current location = 2.20 ft

Drawdown from proposed location = 3.14 ft

Net drawdown = 0.9 ft

Domestic 8: Drawdown from current location = 2.76 ft

Drawdown from proposed location = 2.26 ft

Net drawdown = -0.5 ft

Net drawdown effect on water right no. 23803 ID 8 exceeds the drawdown allowance. Therefore, critical well analysis is not necessary on that well.

#### **Critical Well Analysis**

23803 ID 8:

Drawdown Due to Proposal: 4.3 ft

4.5 10

Projected 25 Year Aquifer Decline:

43.9 ft

Dynamic Drawdown:

15.1 ft (Q = 407 gpm, tp = 139 days, 70% well efficiency)

**Total Drawdown Effect:** 

63.3 ft

Economic Drawdown Constraint (EDC) = 220 ft \* 0.4 = 88 ft

Physical Drawdown Constraint (PDC) = 220 ft - 60 ft = 160 ft

The total drawdown effect is less than both the EDC and PDC, so this well is not critical.

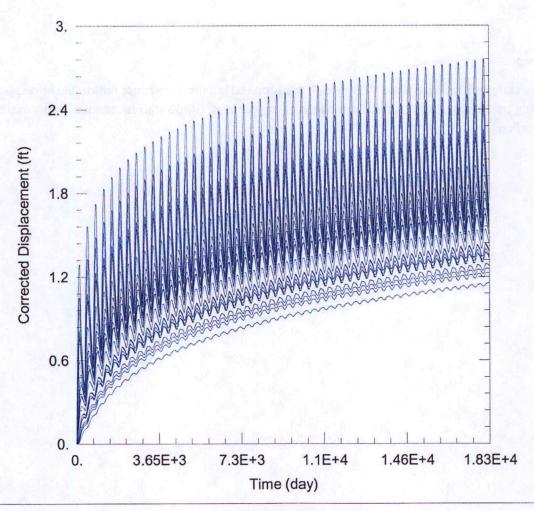
#### **Conclusion:**

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

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OCT 1 9 2020

Garden City Field Office Division of Water Resources



# WELL TEST ANALYSIS

Data Set: C:\...\16406 & 20926 & 20928 Current.aqt Date: 10/06/20 Time: 14:31:38

# PROJECT INFORMATION

Company: GMD 3

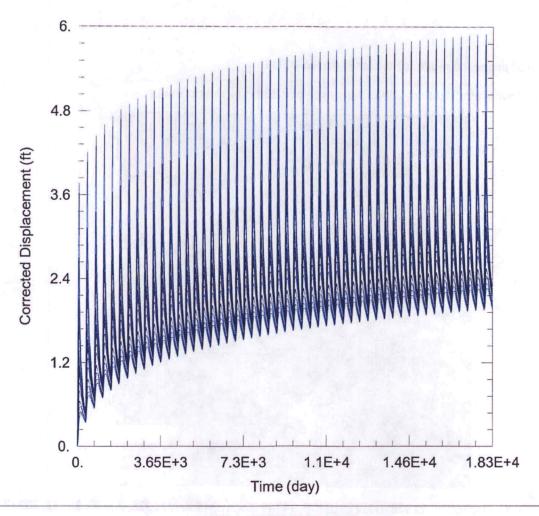
Project: 16406 & 20926 & 20928

Location: Kearny County
Test Well: 16406 & 20926 & 20928

#### **WELL DATA**

	rumping vveils	
Well Name	X (ft)	Y (ft)
	-96827	375287
	-94113	375208

Obse	rvation Wells	
Well Name	X (ft)	Y (ft)
0	-96827	375287
0	-94113	375208
□ 11780 & KE48	-105135	382047
□ KE84	-102968	382794
□ 23803 ID5	-99332	383103
□ 23803 ID6	-101954	383095
□ 23803 ID8	-99347	380481
□ 23803 ID9	-101176	381337
□ 15583 ID2	-96695	383181
- 15583 ID5	-94039	380484
□ 15583 ID6	-96720	380432
· 15730	-102571	377868
<b>20927</b>	-102033	376027



#### WELL TEST ANALYSIS

Data Set: C:\...\16406 & 20926 & 20928 Proposed.aqt
Date: 10/06/20 T Time: 14:31:24

# PROJECT INFORMATION

Company: GMD 3

Project: 16406 & 20926 & 20928

Location: Kearny County

Test Well: 16406 & 20926 & 20928

#### **WELL DATA**

**20927** 

	Pumping Wells	
Well Name	X (ft)	Y (ft)
	-101068	379642
	-98150	379064

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Garden City Field Office Division of Water Resources

Well Name	X (ft)	Y (ft)
0	-101068	379642
0	-98150	379064
□ 11780 & KE48	-105135	382047
□ KE84	-102968	382794
□ 23803 ID5	-99332	383103
□ 23803 ID6	-101954	383095
□ 23803 ID8	-99347	380481
□ 23803 ID9	-101176	381337
□ 15583 ID2	-96695	383181
□ 15583 ID5	-94039	380484
□ 15583 ID6	-96720	380432
· 15730	-102571	377868

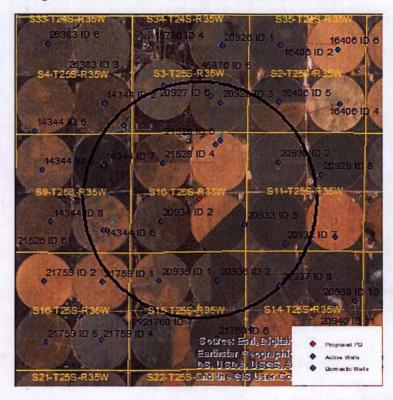
-102033

376027

**Observation Wells** 

#### Evaluation of proposed move for Water Right No 20933

Proposed: Move water right no. 20933 a distance of 2,332 ft to the northwest.



Wells within 1 mile: 20934, 21528 ID4, 21528 ID6, 14344 ID6, 14344 ID7, 20928, 20930, 20932, 20937, 20935, 20936, and 5 domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 245 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

S = 0.1685, T = 19,797 ft<sup>2</sup>/day,  $tp_{current} = 129$  days (based upon average use and observed rate),  $Q_{current} = 444$  gpm (based upon 2014 field inspection),  $tp_{proposed} = 73$  days,  $Q_{proposed} = 840$  gpm

Theis drawdowns were calculated as follows:

20934: Drawdown from current location = 0.88 ft

Drawdown from proposed location = 1.65 ft

Net drawdown = 0.8 ft

21528 ID4: Drawdown from current location = 0.78 ft

Drawdown from proposed location = 1.47 ft

Net drawdown = 0.7 ft

21528 ID6:	Drawdown from current location = 0.87 ft

Drawdown from proposed location = 1.28 ft

Net drawdown = 0.4 ft

14344 ID6: Drawdown from current location = 0.64 ft

Drawdown from proposed location = 0.89 ft

Net drawdown = 0.2 ft

14344 ID7: Drawdown from current location = 0.61 ft

Drawdown from proposed location = 0.88 ft

Net drawdown = 0.3 ft

20928: Drawdown from current location = 0.69 ft

Drawdown from proposed location = 0.91 ft

Net drawdown = 0.2 ft

20930: Drawdown from current location = 0.98 ft

Drawdown from proposed location = 1.00 ft

Net drawdown = 0.0 ft

20932: Drawdown from current location = 1.26 ft

Drawdown from proposed location = 0.92 ft

Net drawdown = -0.3 ft

20937: Drawdown from current location = 0.98 ft

Drawdown from proposed location = 0.80 ft

Net drawdown = -0.2 ft

20935: Drawdown from current location = 0.78 ft

Drawdown from proposed location = 0.98 ft

Net drawdown = 0.2 ft

20936: Drawdown from current location = 1.06 ft

Drawdown from proposed location = 1.05 ft

Net drawdown = 0.0 ft

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Garden City Field Office Division of Water Resources Domestic 1: Drawdown from current location = 0.60 ft

Drawdown from proposed location = 0.85 ft

Net drawdown = 0.3 ft

Domestic 2: Drawdown from current location = 0.67 ft

Drawdown from proposed location = 0.87

Net drawdown = 0.2 ft

Domestic 3: Drawdown from current location = 0.65 ft

Drawdown from proposed location = 0.92 ft

Net drawdown = 0.3 ft

Domestic 4: Drawdown from current location = 0.88 ft

Drawdown from proposed location = 1.37 ft

Net drawdown = 0.5 ft

Domestic 5: Drawdown from current location = 0.80 ft

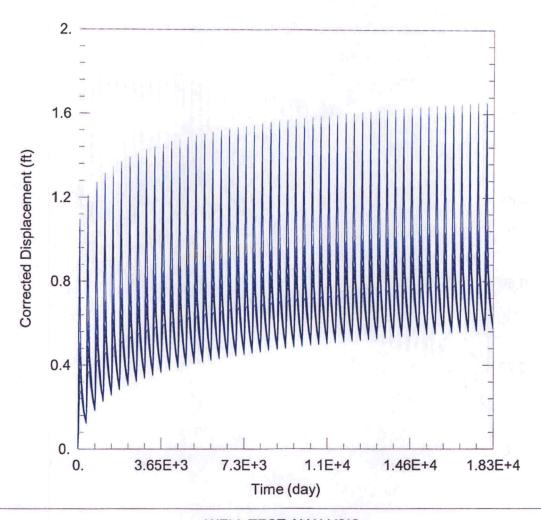
Drawdown from proposed location = 0.85 ft

Net drawdown = 0.0 ft

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

#### Conclusion:

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



# WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\20933\20933 Proposed.aqt

Date: 10/09/20 Time: 17:10:29

#### PROJECT INFORMATION

Company: GMD 3 Project: 20933

Location: Kearny County Test Well: 20933

#### **WELL DATA**

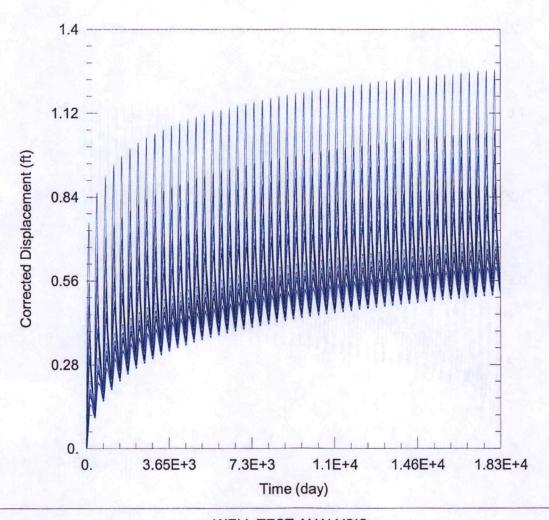
Pumping vveils			
Well Name	X (ft)	Y (ft)	
20933	-100430	370923	

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# OCT 1 9 2020

Garden City Field Office Division of Water Resources

Well Name	X (ft)	Y (ft)
	-100430	370923
· 20934	-102184	369964
□ 21528 ID4	-102098	372571
□ 21528 ID6	-99477	373559
□ 14344 ID6	-104761	369555
□ 14344 ID7	-104776	372461
<b>20928</b>	-99461	375238
<b>20930</b>	-96872	372590
<b>20932</b>	-96561	368953
<b>20937</b>	-96811	367086
<sup>-</sup> 20935	-102238	367309
<b>20936</b>	-99594	367315
Domestic 1	-103855	374230



# WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\20933\20933 Current.aqt
Date: 10/09/20 Time: 17:10:35

# PROJECT INFORMATION

Company: GMD 3 Project: 20933

Location: Kearny County
Test Well: 20933

### **WELL DATA**

Pumping Wells			
Well Name	X (ft)	Y (ft)	
20933	-98376	369819	

Well Name	X (ft)	Y (ft)
	-98376	369819
<b>20934</b>	-102184	369964
- 21528 ID4	-102098	372571
a 21528 ID6	-99477	373559
□ 14344 ID6	-104761	369555
□ 14344 ID7	-104776	372461
<b>20928</b>	-99461	375238
<b>20930</b>	-96872	372590
<b>20932</b>	-96561	368953
<b>20937</b>	-96811	367086
· 20935	-102238	367309
· 20936	-99594	367315
Domestic 1	-103855	374230

# Meyer, Mike [KDA]

From:

Meyer, Mike [KDA]

Sent:

Wednesday, October 7, 2020 4:30 PM

To:

'Norquest, Jason (Norquest@gmd3.org)'

Subject:

file Nos. 16406, 20926, 20928, 2093

john Jenkinson called to confirm the proposal. I reviewed the proposal and the actual new wells being drilled. he just wanted to go on record that he wanted to protect his domestic supply and has no problems today or any uforeseen future problems. just a matter for the record.

I stated that he would be getting a letter from you also. his response was from our letter.

Mike



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

Mike Beam, Secretary

Laura Kelly, Governor

September 30, 2020

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

Re:

Water Right, File Nos. 16406, 20926, 20928, 20933

Dear Mr. Norquest:

This is to advise you that Vyn Land and Cattle has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced files. The applications are proposing a to move the current authorize point of diversion that meets regulations. (Please note that File No. 20,933 should be and reviewed after approval of the other referenced files as it is the last in priority of application filing. I wanted to get the recommendation request to you with this package).

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



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

KEITH GIESBRECHT 2394 ROAD 130 LAKIN, KS 67860-6219

RE: Water Right, File Nos. 16406, 20926, 20928

Dear Sir and Madam:

This is to advise you that Vyn Land and Cattle has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced applications. Please note there are three applications that are nearby or within one half mile of some of your water right wells.

You can find the complete application posted by water right file number as referenced above at <a href="https://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices">www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices</a>.

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

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

Sincerely,

Michael A. Meyer / Water Commissioner

MAM pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

GRAHAM FARMS INC 2150 ROAD 220 DEERFIELD, KS 67838-9513

RE:

Water Right, File Nos. 16406, 20926, 20928

Dear Sir:

This is to advise you that Vyn Land and Cattle has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced applications. Please note there are three applications that are nearby or within one half mile of some of your water right wells.

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Sincerely,

Water Commissioner

MAM pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

JOHN & JANA JENKINSON 1257 ROAD AA LAKIN KS 67860

RE: Water Right, File Nos. 16406, 20926, 20928

Dear Sir and Madam:

This is to advise you that Vyn Land and Cattle has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced applications. Please note there are three applications that are nearby or within one half mile of some of your water right wells.

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Sincerely,

Michael A. Meyer Water Commissioner

MAM pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

DALE D & DOROTHY A KOEHN 1564 21 AVE GALVA, KS 67443

RE: Water Right, File Nos. 16406, 20926, 20928

Dear Sir and Madam:

This is to advise you that Vyn Land and Cattle has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced applications. Please note there are three applications that are nearby or within one half mile of some of your water right wells.

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Sincerely,

Michael A. Meyer

Water Commissioner

MAM pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

RODGER L & CHERYL KOEHN 2350 ROAD 130 LAKIN, KS 67860-6219

RE: Water Right, File Nos. 16406, 20926, 20928

Dear Sir and Madam:

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Sincerely,

Michael A. Meyer Water Commissioner

MAM pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

September 11, 2020

CORY WEATHERRED 2357 ROAD 130 LAKIN, KS 67860

RE: Water Right, File Nos. 16406, 20926, 20928

Dear Sir:

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

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

Sincerely,

Michael A. Meyer Water Commissioner

MAM

pc:

