



File No. **20934**      11. County: KE      Basin: ARKANSAS RIVER      Stream:      Formation Code:      Special Use:

12. Points of Diversion  
 Rate and Quantity  
 Authorized      Additional  
 Rate      Quantity      Rate      Quantity  
 gpm      af      gpm      af      Overlap PD Files

CHK MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
CHK	88258													

13. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

14. Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm (\_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_  
 Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm (\_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_

15. 5YR Allocation: Allocation Type \_\_\_\_\_ Start Year \_\_\_\_\_ 5 YR Amount \_\_\_\_\_ Amount Unit \_\_\_\_\_ Base Acres \_\_\_\_\_ Comment \_\_\_\_\_

16. Place of Use CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
ENT	22863	2	25	35W	01	L-1 31.50	L-2 31.50	31.50	31.50	L-3 31.50	L-4 31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	31.50	504	8a	NO	16406, 20926, 20928, 20929, 20930, 20933, 21528, 23803		
ENT	12918	3	25	35W	01	L-1 34	L-2 34	34	34									34	34	272	8a	NO	16406, 20926, 20928, 20929, 20930, 20933, 21528, 23803		
ENT	38941	11	25	35W	01	34	34	34	34	34	34	34	34							272	8a	NO	16406, 20926, 20928, 20929, 20930, 20933, 21528, 23803		
ENT	27329	10	25	35W	01	34	34	34	34	34	34	34	34	34	34	34	34	34	34	544	8a	NO	16406, 20926, 20928, 20929, 20930, 20933, 21528, 23803		
ENT	2533	34	24	35W	01	34	34	34	34	34	34	34	34	34	34	34	34	34	34	544	8a	NO	16406, 20926, 20928, 20929, 20930, 20933, 21528, 23803		
DEL	1150																								

Base Acres:      Year:      Minimum Reasonable Quantity:  
 Comments:

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



Phone: 620-276-2901  
Fax: 620-276-9315  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

Mike Beam, Secretary

Laura Kelly, Governor

September 3, 2021

VYN LAND & CATTLE  
PO BOX 1027  
LAKIN, KS 67860

RE: Field Office Application for Change  
Water Right, File Nos. 16406, 20926, 20928, 20939, 20930, 20933, 20934,  
21528, 23803

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,

A handwritten signature in blue ink, appearing to read "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
enclosures

pc:  
GMD3


### CERTIFICATE OF SERVICE

On this 3<sup>rd</sup> day of September 2021, I hereby certify that the foregoing Approval of Application for Change, Water Right, File Nos. 16,406, 20,926, 20,928, 20,939, 20,930, 20,933, 20,934, 21,528, 23,803 dated the 3<sup>rd</sup> day of September 2021 was mailed postage prepaid, first class, US mail to the following:

VYN LAND & CATTLE  
PO BOX 1027  
LAKIN, KS 67860

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.

File No. 20934

**RECEIVED**  
 2:36pm  
 JUL 27 2021

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use                       Point of Diversion

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is:                       Groundwater                       Surface water

Garden City Field Office  
 Division of Water Resources

2. Name and address of Applicant: VYN LAND & CATTLE

PO BOX 1027 LAKIN KS 67860

Phone Number: (    )                      Email address: \_\_\_\_\_

Name and address of Water Use Correspondent: SAME AS ABOVE

Phone Number: (    )                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:

Owner of Land ---- NAME: VYN LAND & CATTLE

ADDRESS: PO BOX 1027 LAKIN KS 67860

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
10	25	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: VYN LAND & CATTLE

ADDRESS: PO BOX 1027 LAKIN KS 67860

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES	
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼		
2	25	35	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	504
34	24	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	544
3	25	35	34	34	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	272

For Office Use Only: Code \_\_\_\_\_ Fee \$ 200.00 TR # \_\_\_\_\_ Receipt Date 7-27-21 Check # 6392

APPLICATION FOR APPROVAL TO CHANGE  
THE PLACE OF USE AND/OR POINT OF DIVERSION  
SUPPLEMENTAL SHEET  
FILE NO. 20934  
MAKE ADDITIONAL COPIES AS NECESSARY

3. *Continued:* The presently authorized place of use is:

Owner of Land ---- NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			

Owner of Land ---- NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES			
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼				

Owner of Land ---- NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES				
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼					

4. *Continued:* If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: VYN LAND & CATTLE  
ADDRESS: PO BOX 1227 SYRACUSE KS 67878 - 1227

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES						
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼							
11	25	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	272		
10	25	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	544	

Owner of Land ---- NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES						
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼							

Owner of Land ---- NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES						
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼							



5. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ W, in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)**  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ W, in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

6. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ W, in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)**  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

7. The changes herein are desired for the following reasons?  
 (please be specific) \_\_\_\_\_  
 \_\_\_\_\_

8. If a well, is the test hole log attached?  Yes  No

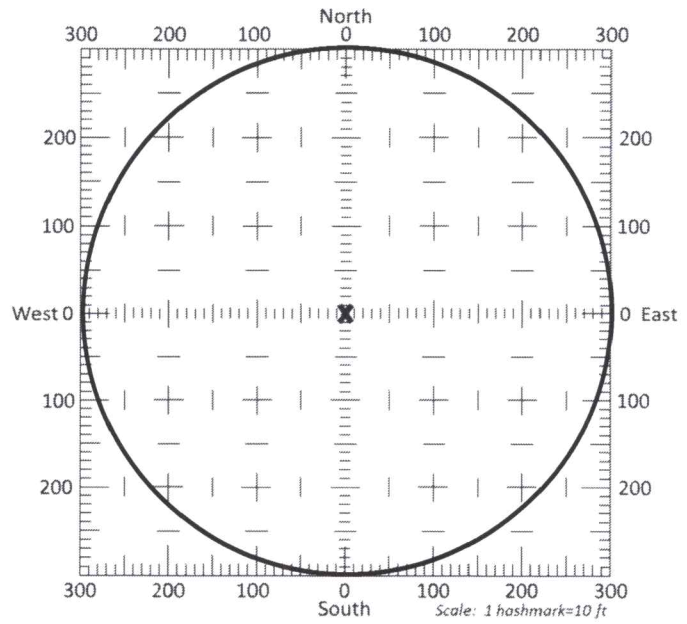
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
 \_\_\_\_\_  
 (b) When will this be done? \_\_\_\_\_

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by HH GCFO \_\_\_\_\_

13a. If the proposed point of diversion will be relocated more than 300 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 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



13b. If the proposed point of diversion will be relocated within a 300 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.)**

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?  
 Yes     No    (If no, all owners must sign this application.)
  - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?  
 Yes     No    (If yes, all owners must sign this application.)
  - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?  
 Yes     No    (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

**I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.**

Dated at Brandon SD, ~~Kansas~~, this 22<sup>nd</sup> day of July, 2021.

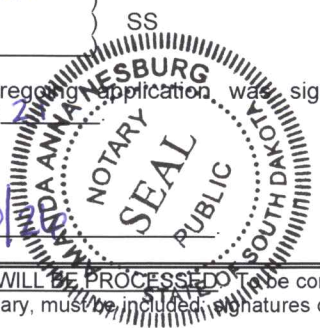
<u>JV</u> (Owner)	
<u>Justin Vyn</u> (Please Print)	

State of ~~Kansas~~ South Dakota  
 County of Minnehaha

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 22 day of July, 2021.

My Commission Expires 6/10/2022

Amarda Anna Nesburg  
 Notary Public



**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED** To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

**FEE SCHEDULE**

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

(1) Application to change a point of diversion 300 feet or less .....	\$100
(2) Application to change a point of diversion more than 300 feet .....	\$200
(3) Application to change the place of use .....	\$200

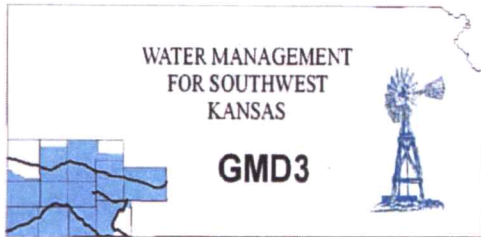












**Southwest Kansas**  
**Groundwater Management District No. 3**  
**2009 E. Spruce Street**  
**Garden City, Kansas 67846**  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

September 2, 2021

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

RE: Application for Change in Point of Diversion  
Water Right, File Nos. 16406 & 23803  
Applications for Change in Place of Use  
Water Rights, File Nos. 16406, 20926, 20928, 20929,  
20930, 20933, 20934, 21528 & 23803

Dear Mike:

We have completed a review of the applications for the above referenced water rights. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells. The proposed change in place of use is in accordance with K.A.R. 5-5-11(b).

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4.0 ft in cases where saturated thickness greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that none of the neighboring wells exceeded the net effect above the maximum allowable threshold and were under that threshold. No further critical well analysis was needed. Our office received no response and did not have any comments of concern. The prior change under File No. 16406, the Board recommended that if the stacking of authority occurred, that unstacking should be viewed under the additional well criteria. That recommendation was not part of the change approval order. Using the calculation for the additional well rule, the water right would have no consumptive use reduction. The authority was stacked for less than a year and would be difficult to determine net effects before this change was filed. Therefore, GMD3 sees this move as reasonable and therefore recommend that the applications 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.

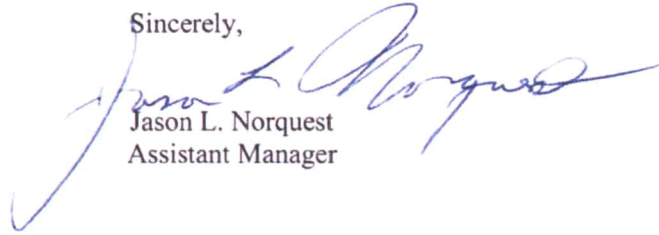
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SEP 02 2021



The proposed change in place of use will make a complete overlap in currently authorized acres, with no new acres being proposed. This consistent with K.A.R. 5-5-11(B). therefore, GMD3 sees this change also reasonable and recommend that the applications be approved.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Jason L. Norquest", is written over the typed name and title.

Jason L. Norquest  
Assistant Manager

## GMD3 Change Review

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File No(s): 16406, 20926, 20928, 20929, 20930, 20933, 20934, 21528 & 23803.

DWR office: GC.

App filed to change: PU on all. PD on 16406 & 23803.

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

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? \_\_\_.

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-5-11 & KAR 5-23-3

Point of diversion ID No(s) \_\_\_ being changed.

	<u>16406</u> ft. North	ft. West	
Authorized PD	5112	5220	Sect 2-25-35
Proposed PD	1310	1320	Sect 34-24-35
Difference	1478 n	1380 w	
a2 + b2 = c2	2184484	1904400	2022.099 foot move NW

This location currently 23803 ID8

	<u>23803</u> ft. North	ft. West	
Authorized PD	1310	1320	Sect 34-24-35
Proposed PD	2214	3155	
Difference	-904 n	-1835 w	
a2 + b2 = c2	817216	3367225	2045.591 foot move NW

This location currently 23803 ID09

	<u>23803</u> ft. North	ft. West	
Authorized PD	2214	3155	Sect 34-24-35
Proposed PD	1752	5186	
Difference	462 s	-2031 w	
a2 + b2 = c2	213444	4124961	2082.884 foot move SW

This will be a new well location

GPS for proposed PD: Lat: 37.920575 Long: -101.157799.

Is proposed PD stacking on existing WRs? The 3 proposed PD changes will shift 2 to current locations and the third will be a new hole.

Is Proposed PU overlapping existing WRs? Proposed to make a complete overlap in PU on all the WRs.

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

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

Address 2149 Highway 50.

Zip Deerfield, KS 67838.

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

RECEIVED

SEP 02 2021

Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

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Name Graham Farms Inc. (15730.01, 20927, 45870).  
Address 2150 Road 220.  
Zip Deerfield, KS 67838.  
Email: cweatherred@gmail.com. Phone: 620-272-3074.

Name Eva Dyck (26383, domestic in N2 of 4).  
Address 2143 Road 130.  
Zip Lakin, KS 67860.  
Email: hdfarm.fab@gmail.com. Phone: 620-290-1576.

Name Kent W Rixon (KE36).  
Address 251 NW 10<sup>th</sup> Ave.  
Zip Saint John, KS 67576.  
Email: paula.rixon@embarqmail.com. Phone: 620-285-9943.

Name Roger L & Cheryl Koehn (KE84).  
Address 2850 Road 130.  
Zip Lakin, KS 67860.  
Email: rodger.koehn49@gmail.com. Phone: 620-271-7541.

Domestic well(s) notified: \_\_.

Name Marilyn Sue Wolfe Trust (SE of 33) .  
Address PO Box 334.  
Zip Deerfield, KS 67838.

Name Jordan Tye & Chere Jacqueline Koehn (W2 NW of 34).  
Address 1368 Road Y.  
Zip Lakin, KS 67860.

Name Larry F & Patsy S Goree (NE SE of 4).  
Address 1249 Road Y.  
Zip Lakin, KS 67860.

Name Manuel J & Maria L Enriquez (SW NW of 3).  
Address 1258 Road Y.  
Zip Lakin, KS 67860.

Base Acres: \_\_.

Perfected Acres: \_\_.

Irr. Return-Flow \_\_ %



## GMD3 Change Review

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Changes in PU do not propose any new acres, just a complete overlap in currently authorized acres.

The PD changes are a shift of three wells, with only one new well being proposed.

16406: Proposes to unstack the authority that was approved in spring of 2021. It will move to the location currently authorized by 23803 ID8. At that time GMD3 Board recommended a waiver to the change and recommended that if it was unstacked, applicant had to follow the additional well rule. DWR approved the waiver and change, but no condition put on unstacking.

**Current well is authorized 504AF @ 1925gpm. Proposed going back to original authority of 252AF**

23803 ID8: Proposes to move the authorized authority to the well currently under 23803 ID9.

Currently authorized 272AF @ 825gpm

23803 ID9: Proposed moving to a new location further SW of current location.

Currently authorized 272AF @ 875gpm.

Is a waiver needed: The change in PU is for a complete overlap, with no new acres proposed. The changes in PD are less than half mile and minimum spacing appears met. Analysis shows that the proposed change is within the guidelines.

Recommendation: After review of all available information, it appears current area rules are met. Staff would recommend approval.



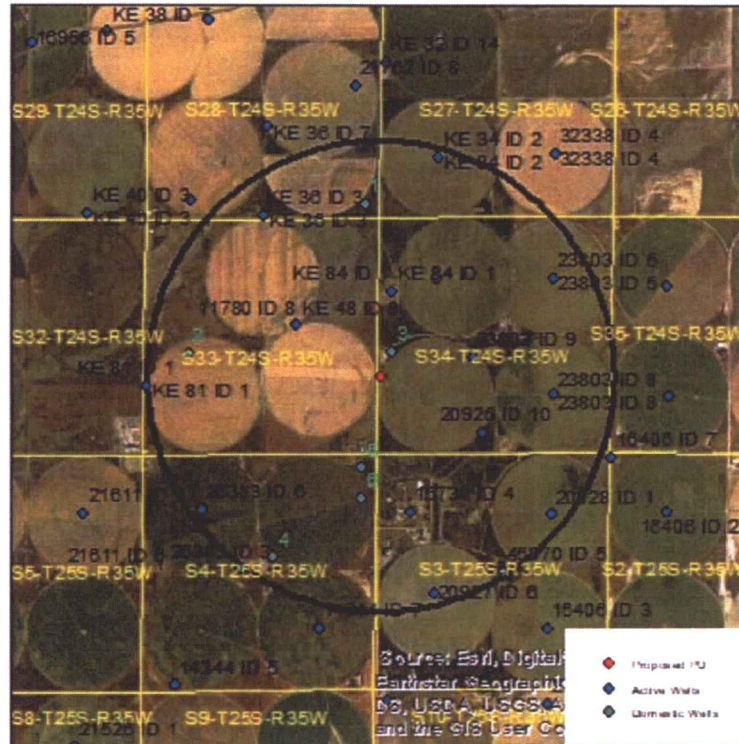
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SEP 02 2021

Garden City Field Office  
Division of Water Resources

### Evaluation of proposed move for Water Right Nos 16406 and 23803

Proposed: Move half of water right no. 16406 ID7 to the well currently authorized under water right no. 23803 ID8, located 1,951 ft to the northwest. Move water right no. 23803 ID8 to the well location currently authorized under water right no. 23803 ID9, located 2,006 ft to the northwest. Move water right number 23803 ID9 to a new well location, 2,123 ft to the southwest. The new well location will be authorized 272 AF at a rate of 875 gpm. No other well location is increasing authority, and water use is not expected to change at those well locations, so effects were only calculated from the new well location.



Wells within 1 mile: KE 84, 23803 ID5, 23803 ID6, 23803 ID8, 23803 ID9, 20926, KE 36, KE 34, KE 48 & 11780, 26383, 15730, 20927, 20928, 45870, and six domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 217 ft, based upon the GMD3 model, the driller's log, and an observation well in section 2-25-35. 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:

$$S = 0.1304, T = 10,021 \text{ ft}^2/\text{day}, t_{\text{proposed}} = 70 \text{ days}, Q_{\text{proposed}} = 875 \text{ gpm}$$

Theis drawdowns were calculated as follows:

- KE 84: Net drawdown = 2.9 ft
- 23803 ID5: Net drawdown = 1.5 ft
- 23803 ID6: Net drawdown = 2.3 ft

23803 ID8:	Net drawdown = <b>1.7 ft</b>
23803 ID9:	Net drawdown = <b>2.7 ft</b>
20926:	Net drawdown = <b>2.3 ft</b>
KE 36:	Net drawdown = <b>1.5 ft</b>
KE 34:	Net drawdown = <b>1.4 ft</b>
KE 48 & 11780:	Net drawdown = <b>2.6 ft</b>
26383:	Net drawdown = <b>1.4 ft</b>
15730:	Net drawdown = <b>2.0 ft</b>
20927:	Net drawdown = <b>1.4 ft</b>
20928:	Net drawdown = <b>1.4 ft</b>
45870:	Net drawdown = <b>1.4 ft</b>
Domestic 1:	Net drawdown = <b>1.7 ft</b>
Domestic 2:	Net drawdown = <b>1.5 ft</b>
Domestic 3:	Net drawdown = <b>5.7 ft</b>
Domestic 4:	Net drawdown = <b>1.5 ft</b>
Domestic 5:	Net drawdown = <b>2.7 ft</b>
Domestic 6:	Net drawdown = <b>2.2 ft</b>

Net drawdown exceeds the drawdown allowance of 4.0 ft for the domestic well labeled "3" on the map, located just northeast of the proposed well location. Critical well analysis was performed at this domestic well location.

**Critical Well Evaluation:**

**Domestic 3:**

Water Column = 124 ft (Based on depth of the well. Nearby well logs indicate that this well could likely be redrilled into deeper formation.)

DP = 5.7 ft (Net drawdown from the proposal indicated above)

DE = 41.3 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 47.0 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 124 \text{ ft} = 49.6 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $124 \text{ ft} - 20 \text{ ft} = 104 \text{ ft}$

Total drawdown of 47.0 ft is less than the EDC and PDC, so this well is **not critical**.

RECEIVED

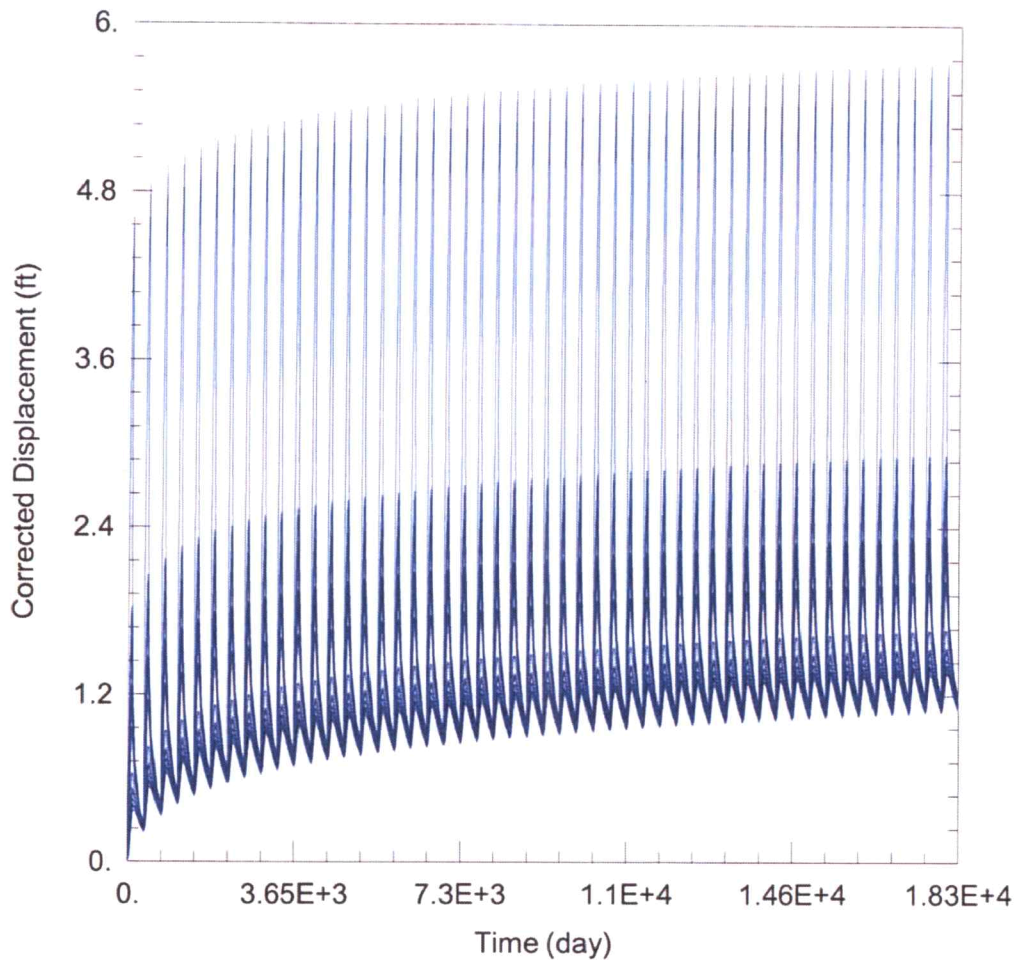
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**Conclusion:**

The proposed moves are not likely to create noticeable effects on most neighboring wells. One domestic well in the area may have a noticeable effect, but this well is owned and operated by the applicant, and analysis did not flag the well as critical. GMD3 staff recommends approval of the application.



**WELL TEST ANALYSIS**

Data Set: C:\Users\trevora\Documents\2021\_Moves\16406+\16406+ Proposed.aqt

Date: 08/27/21

Time: 11:48:22

**PROJECT INFORMATION**

Company: GMD 3  
 Project: 16406+  
 Location: Kearny County

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**WELL DATA**

**Pumping Wells**

Well Name	X (ft)	Y (ft)
Proposed PD	-103376	380914

**Observation Wells**

Well Name	X (ft)	Y (ft)
□	-103376	380914
□ KE 84	-103109	382801
□ 23803 ID5	-99473	383111
□ 23803 ID6	-102098	383103
□ 23803 ID8	-99483	380489
□ 23803 ID9	-101297	381344
□ 20926	-101068	379642
□ KE 36	-106016	384498
□ KE 34	-102088	385801
□ KE 48 & 11780	-105275	382055
□ 26383	-107426	377916
□ 15730	-102695	377876
□ 20927	-102154	376035
□ 20928	-99522	377795





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Mike Beam, Secretary

Laura Kelly, Governor

August 16, 2021

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

Re: Water Right, File Nos. 16406, 20926, 20928, 20929, 20930, 20933, 20934,  
21528, 23803

Dear Mr. Norquest:

This is to advise you that Vyn Land and Cattle has filed application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion and place of use.

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,

A blue ink signature of Michael A. Meyer, written in a cursive style.

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures