

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

1. File Number: <b>20933</b>	2. Status Change Date: <i>10-19-2020</i>	3. Change Num: <b>C2</b>	4. Field Office: <b>04</b>	5. GMD: <b>03</b>
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: <b>9/8/2020</b>
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8a. Landowner, applicant, correspondent Person ID <b>67307</b> New to system <input type="checkbox"/> Add Seq# _____  <b>VYN LAND &amp; CATTLE</b> <b>PO BOX 1567</b> <b>DALHART TX 79022</b>	8c. Landowner Person ID _____ New to system <input type="checkbox"/> Add Seq# _____
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8b. Landowner(s), Person ID _____ New to system <input type="checkbox"/> Add Seq# _____	8d. correspondent Person ID _____ New to system <input type="checkbox"/> Add Seq# _____
8e. Landowner(s), Person ID _____ New to system <input type="checkbox"/> Add Seq# _____	

9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2020**     N & P Date to Comply: **3/1/2021**

Anti-Reverse Meter     Meter Seal     Check Valve     N & P Form     Water Tube     Driller Copy     H & E Letter

Conservation Plan    Date Required: \_\_\_\_\_    Date Approved: \_\_\_\_\_    Date to Comply: \_\_\_\_\_

10. Use Made of Water    From: \_\_\_\_\_    To: \_\_\_\_\_

Date Prepared: **10/16/2020**    By: **MAM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **20933**      11. County: **KE**      Basin: **ARKANSAS RIVER**      Stream:      Formation Code: **211/331**      Special Use:

12. Points of Diversion  
**CHK**  
**MOD**  
**DEL**  
**ENT**

PDIV      Qualifier      S      T      R      ID      'N      'W      **Comment (AKA Line)**      Rate gpm      Quantity af      Additional Rate gpm      Quantity af      Overlap PD Files

**DEL 75444**

**ENT      NWNWSE      10      25      35 W      2281      2081      840      272      840      272**

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 <b>CHK</b> <b>MOD</b> <b>DEL</b> <b>ENT</b>	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						
<b>CHK 27329</b>																									<b>8a</b>	<b>Y</b>	<b>none</b>

**Base Acres:**      **Year:**      **Minimum Reasonable Quantity:**

Comments:



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. 20933

RECEIVED  
 5:00 pm  
 SEP 08 2020

Garden City Field Office  
 DIVISION OF WATER RESOURCES

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

2. Name and address of Applicant: VYN LAND & CATTLE LLC PO BOX 1227 SYRACUSE, KS 67878-1227

Dalhart TX 79022, PO Box 1567

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

Name and address of Water Use Correspondent: WHEATLAND ELECTRIC COOPERATIVE INC Attn: PERRY SMITH PO BOX

953 GARDEN CITY, KS 67846 - SAME AS ABOVE

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

3. The presently authorized place of use is:

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

ADDRESS: \_\_\_\_\_

(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		

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

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

ADDRESS: \_\_\_\_\_

(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		

**For Office Use Only:** Code \_\_\_\_\_ Fee \$ 200.00 TR # \_\_\_\_\_ Receipt Date 9-8-20 Check # 3487

5. **Presently authorized point of diversion:**  
 One in the NE Quarter of the SE Quarter of the SE Quarter of Section 10, Township 25 South, Range 35 W, in Kearny County, Kansas, 1068 feet North 335 feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well 437 (feet)  
**(DWR use only: Computer ID No. 05 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 NW Quarter of the NW Quarter of the SE Quarter of Section 10, Township 25 South, Range 35 W, in Kearny County, Kansas, 2281 feet North 2081 feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) 609 +  
 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 \_\_\_\_\_ (E/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

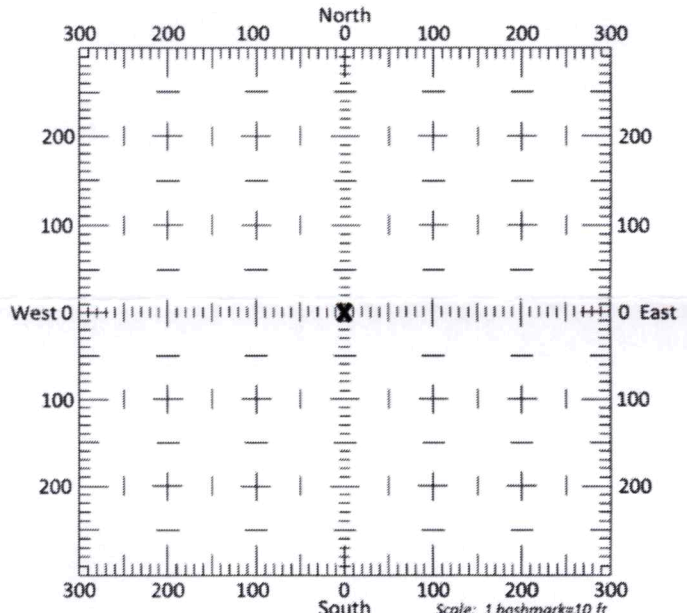
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_

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 GCFO/SZ

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 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. **(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 Dalhart, <sup>Texas</sup> Kansas, this 4<sup>th</sup> day of September, 2020.

<p><u>Justin Vm</u> (Owner) _____ (Please Print)</p> <p>_____ (Owner) _____ (Please Print)</p> <p>_____ (Owner) _____ (Please Print)</p> <p>_____ (Owner) _____ (Please Print)</p>	<p>_____ (Spouse) _____ (Please Print)</p> <p>_____ (Spouse) _____ (Please Print)</p> <p>_____ (Spouse) _____ (Please Print)</p> <p>_____ (Spouse) _____ (Please Print)</p>
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State of Kansas Texas }  
 County of Dallam } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 4<sup>th</sup> day of September, 2020.

Lisa Unruh  
Notary Public

My Commission Expires 11/05/2022

**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

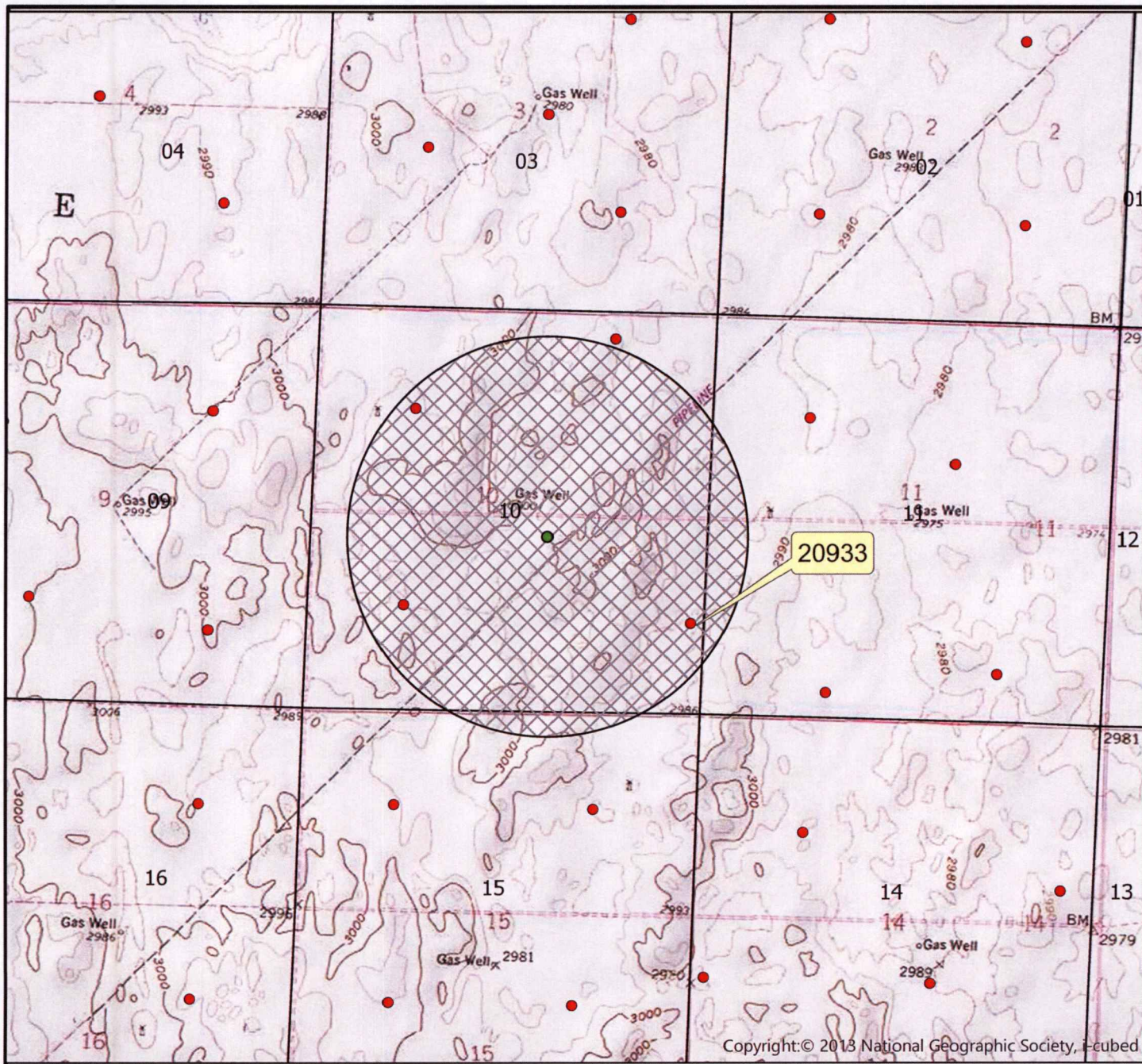






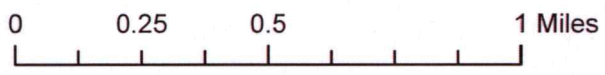
# CHANGE IN PLACE OF DIVERSION WATER RIGHT, FILE NO. 20933

SE 1/4 of Section 10 Township 25 South Range 35 West Kearny County



Copyright: © 2013 National Geographic Society, Inc.

- Authorized Point of Diversion
- Proposed Point of Diversion
- Domestic Well within 1/2 mile
- 1/2 mile buffer



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

VYN LAND & CATTLE  
 PO BOX 1227  
 SYRACUSE, KS 67878-1227

All wells of any kind within 1/2 mile of the requested place of use have been plotted.

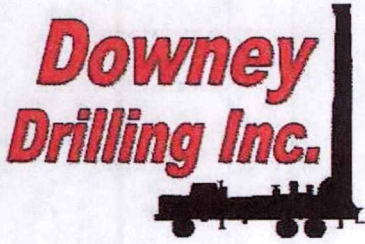
(Signature) \_\_\_\_\_ Date \_\_\_\_\_

9/3/2020 SZ/GCFO  
 1:24,000 Scale



# WELL LOG

DATE: 5/28/2020



CUSTOMER NAME: VYN LAND & CATTLE LLC M-10

LEGAL: SE 10-25S-35W

*WR File # 20933*

COUNTY: KEARNY

GPS: 37.893172

-101.14746

DRILLER: ROGELIO

WO: 20-359

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	10	TOP SOIL AND FINE SAND	SOFT	TAN	FAST		SMOOTH
	10	24	FINE-MEDIUM-COARSE GRAVEL AND FINE-MEDIUM-COARSE SAND	SOFT	RED	FAST		FAST CHATTER
	24	95	FINE-MEDIUM-COARSE GRAVEL, FINE-MEDIUM-COARSE SAND, LIMEROCK LAYERS, AND A TRACE OF SANDY CLAY	FIRM	RED	FAST		CHATTER / CHOPPY
	95	116	BLUE STICKY CLAY	TIGHT	BLUE	FAST		SMOOTH
	116	130	FINE-MEDIUM-COARSE SAND	SOFT	RED	FAST		FAST CHATTER
	130	139	BLUE STICKY CLAY	TIGHT	BLUE	FAST		SMOOTH
	139	163	FINE-MEDIUM-COARSE GRAVEL	SOFT	RED	FAST		CHATTER
	163	169	CLAY	SOFT	BROWN	FAST		SMOOTH
	169	181	FINE-MED-COARSE GRAVEL	SOFT	RED	FAST		CHATTER
	181	190	BLUE CLAY	TIGHT	BLUE	FAST		SMOOTH
	190	199	FINE-MEDIUM-COARSE GRAVEL	SOFT	RED	FAST		FAST CHATTER
	199	208	FINE-MEDIUM-COARSE GRAVEL	SOFT	RED	FAST		FAST CHATTER
	208	215	SANDY CLAY	SOFT	TAN / BROWN	FAST		SMOOTHER
	215	226	MED - COARSE SAND	SOFT	TAN	FAST		CHATTER
	226	245	VERY COARSE SAND, FINE GRAVEL, TR.MED GRAVEL	SOFT	TAN	FAST		FAST CHATTER
	245	259	MED - COARSE SAND	SOFT	TAN	FAST		CHATTER
	259	270	SAND, SANDY CLAY	NOT AS SOFT	BROWN	FAST		SMOOTHER
	271	291	MEDIUM-COARSE SAND	SOFT	TAN	FAST		CHATTER
	291	310	SANDY CLAY, CLAY W/SAND LENSES	SOFT	BROWN	FAST		SMOOTHER
	310	313	FINE SAND	SOFT	TAN	FAST		LT. CHATTER
	313	325	SANDY CLAY W/SAND LENSES	SOFT	TAN	FAST		SMOOTH
	325	332	FINE SAND	SOFT	TAN	FAST		LT. CHATTER
	332	350	BROWN ROCK, MED SAND, W/SANDSTONE	NOT AS SOFT	BROWN	FAST		CHATTER
	350	358	MED W/TR.BROWN ROCK	FIRM	BROWN	FAST		CHATTER AT TIMES
	365	398	MED SAND, BROWN ROCK, W/SANDSTONE	FIRM	BROWN	FAST		CHATTER
	398	407	SHALE	TIGHT	GRAY	SLOW		SMOOTH
X	407	421	MED SAND, SANDSTONE, BROWN ROCK (BIG DRINK AT 413-416)	FIRM	BROWN	FAST		CHOPPY / CHATTER
	421	452	SHALE	STIFF	GRAY	SLOW		SMOOTH
X	452	457	FINE-MED SAND, SANDSTONE, TR. BROWN ROCK	SEMI FIRM	BROWN	FASTER		CHATTER
X	457	499	SHALE	TIGHT	BLACK	SLOW		SMOOTH
X	499	609	SANDSTONE, FINE SAND, AND BROWN ROCK	FIRM	BROWN	FAST		CHATTER
X	609	640	SHALE	TIGHT	BLACK	SLOW		SMOOTH
			4 LOADS OF WATER					
			QUIK GEL - 11 SACKS HOLEPLUG - 2 SKS					
			SODA ASH - 1 SACK CASING SEAL - 1 SK					
			BRAN - 3 BAGS					



# VYN LAND & CATTLE LLC

SECTION 10-25S-35W KEARNY CO.

Legend

M-10 TH #1 ELEV=2996'

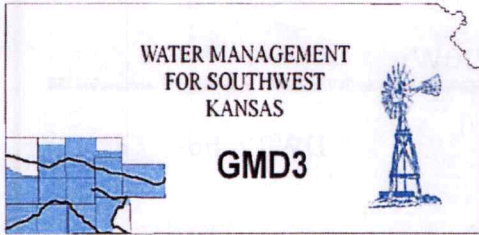
Google Earth

© 2020 Google

1000 ft







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

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:

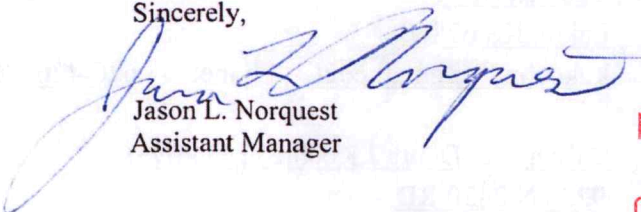
We have completed a review of the applications for the above referenced water rights. The proposed changes in point of diversions are in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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 19 2020



## GMD3 Change Review

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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**

	<u>16406</u> ft. North	ft. West	
Authorized PD	3960	3960	Sect 2-25-35
Proposed PD	5112	5220	
Difference	-1152 n	-1260 w	
$a^2 + b^2 = c^2$	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 Lakin, KS 67860.

Email: rodger.koehn@gmail.com. Phone: 620-271-7541 .

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

Address 2150 Road 220.

Zip Deerfield, KS 67838.

Email: cweatherred@gmail.com. Phone: 620-272-3074.

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

Address 2149 Highway 50.

Zip Deerfield, KS 67838 .

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 9228 N 2420 RD.

## GMD3 Change Review

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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: \_\_.

Name Marilyn Sue Wolfe Trust (SE 33-24-35).  
Address PO Box 875.  
Zip Lakin, KS 67860.

Name Larry F & Patsy S Goree (NE CE 4-25-35).  
Address 1249 Road Y.  
Zip Lakin, KS 67860.

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.  
Zip Lakin, KS 67860.

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.  
Zip Lakin, KS 67860.

Base Acres: \_\_.

RECEIVED

OCT 19 2020

Garden City Field Office  
Division of Water Resources



## GMD3 Change Review

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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**

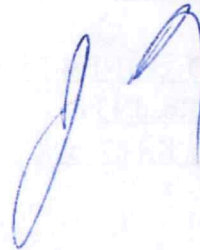
**20926 will move to a new well in section 34**

**20928 will move to the well vacated by 20926**

**20933 is a redrill that stands by itself.**

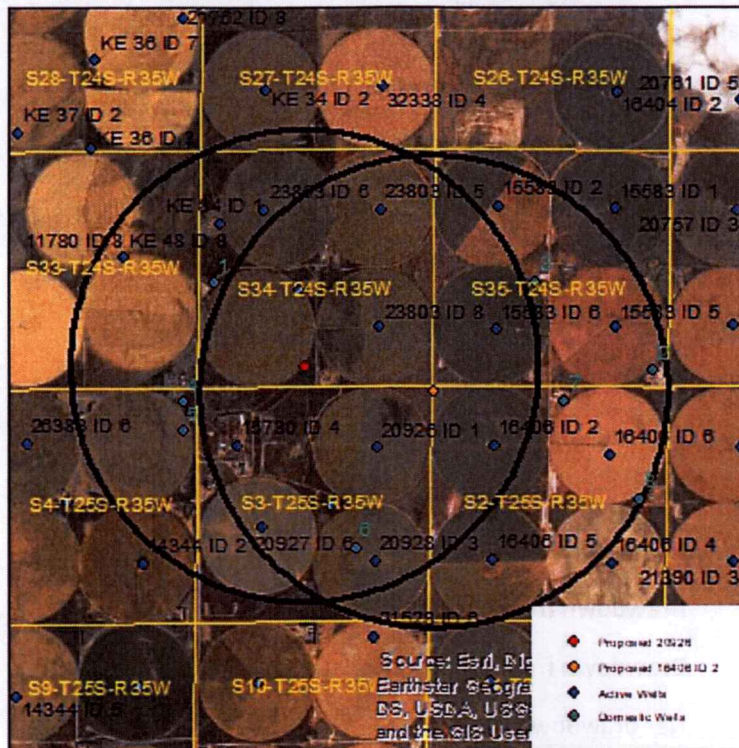
Is a waiver needed: Distance moved and minimum spacing to neighboring wells in all cases appears to be met. Analysis shows that only one well exceeded first criteria but none of them were found to be critical. We did not receive any official concern from notices.

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 applicaitons.



**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 ID 6 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 This Analysis:** The following values were used to run the analysis:

$S = 0.1304, T = 10,021 \text{ ft}^2/\text{day}$

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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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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  
 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:**

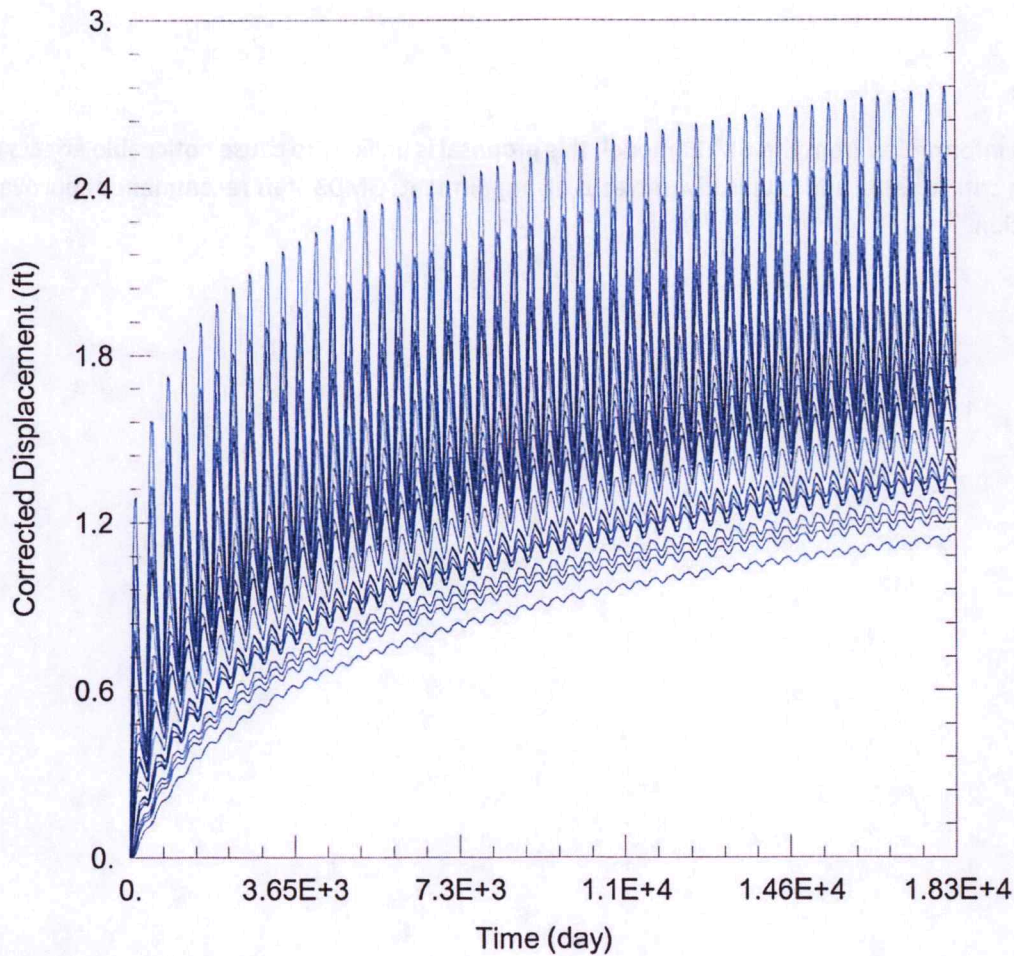
Based upon information from the GMD3 model, this proposal is unlikely to cause noticeable effects on neighboring critical wells, and is unlikely to create an impairment. GMD3 staff recommends approval of the application.

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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

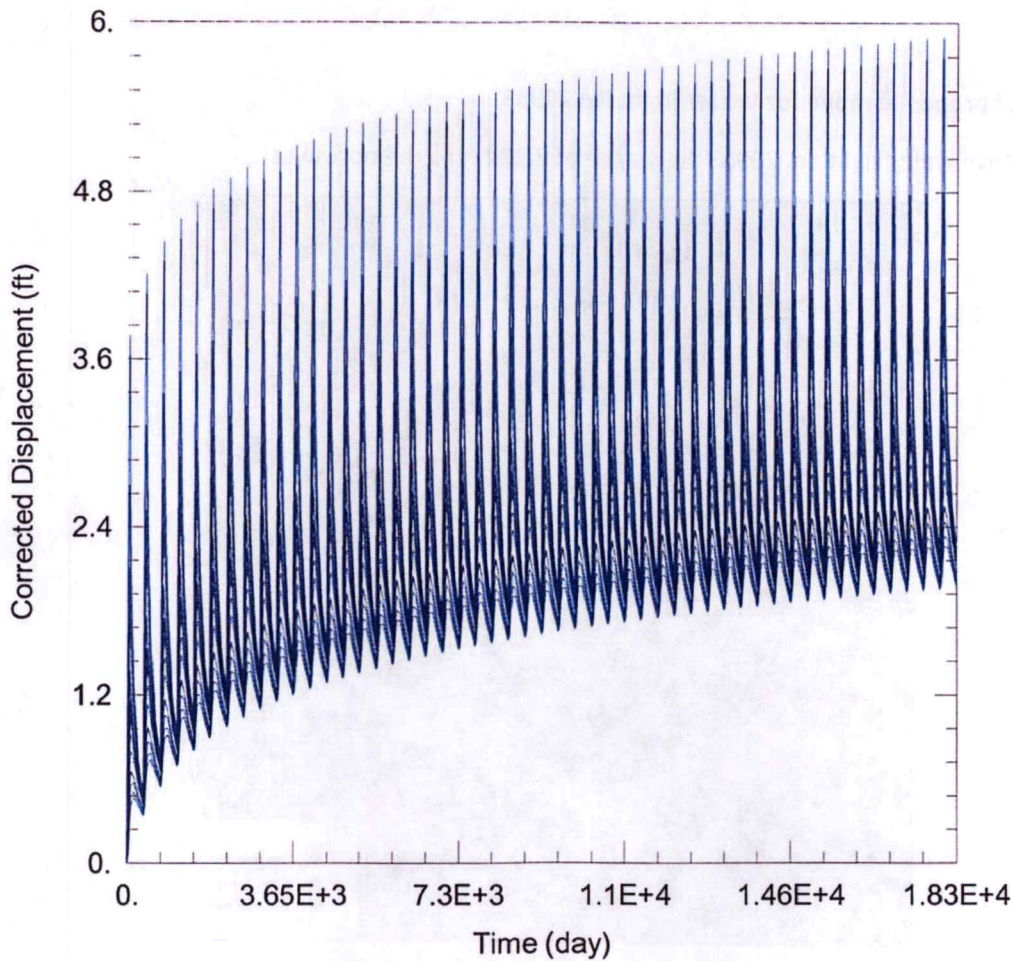
Pumping Wells

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

Observation Wells

Well Name	X (ft)	Y (ft)
□	-96827	375287
□	-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
□ 20927	-102033	376027





WELL TEST ANALYSIS

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

PROJECT INFORMATION

Company: GMD 3  
 Project: 16406 & 20926 & 20928  
 Location: Kearny County  
 Test Well: 16406 & 20926 & 20928

WELL DATA

Pumping Wells

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

Observation Wells

Well Name	X (ft)	Y (ft)
□	-101068	379642
□	-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
□ 20927	-102033	376027

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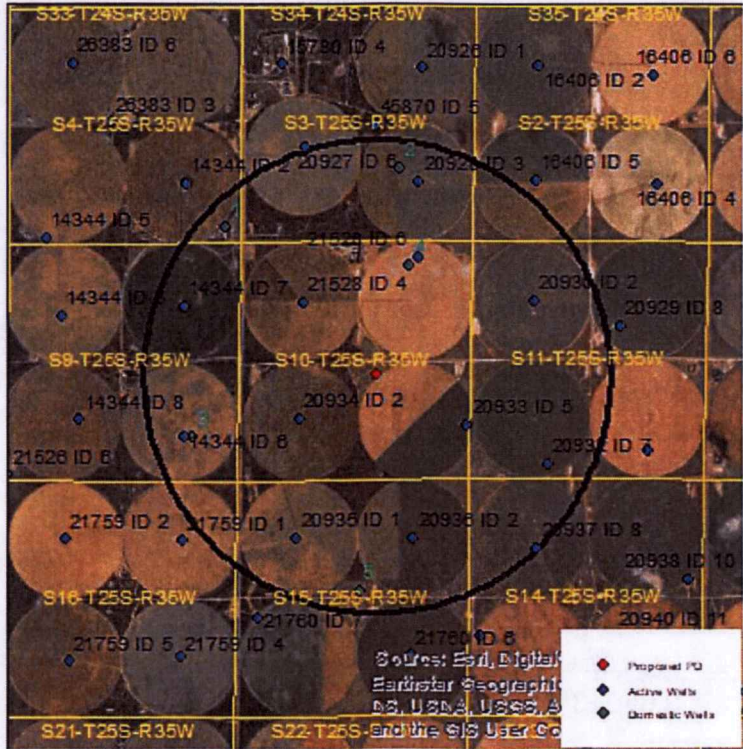
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 Division of Water Resources



**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 This Analysis:** The following values were used to run the analysis:

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

This 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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Division of Water Resources

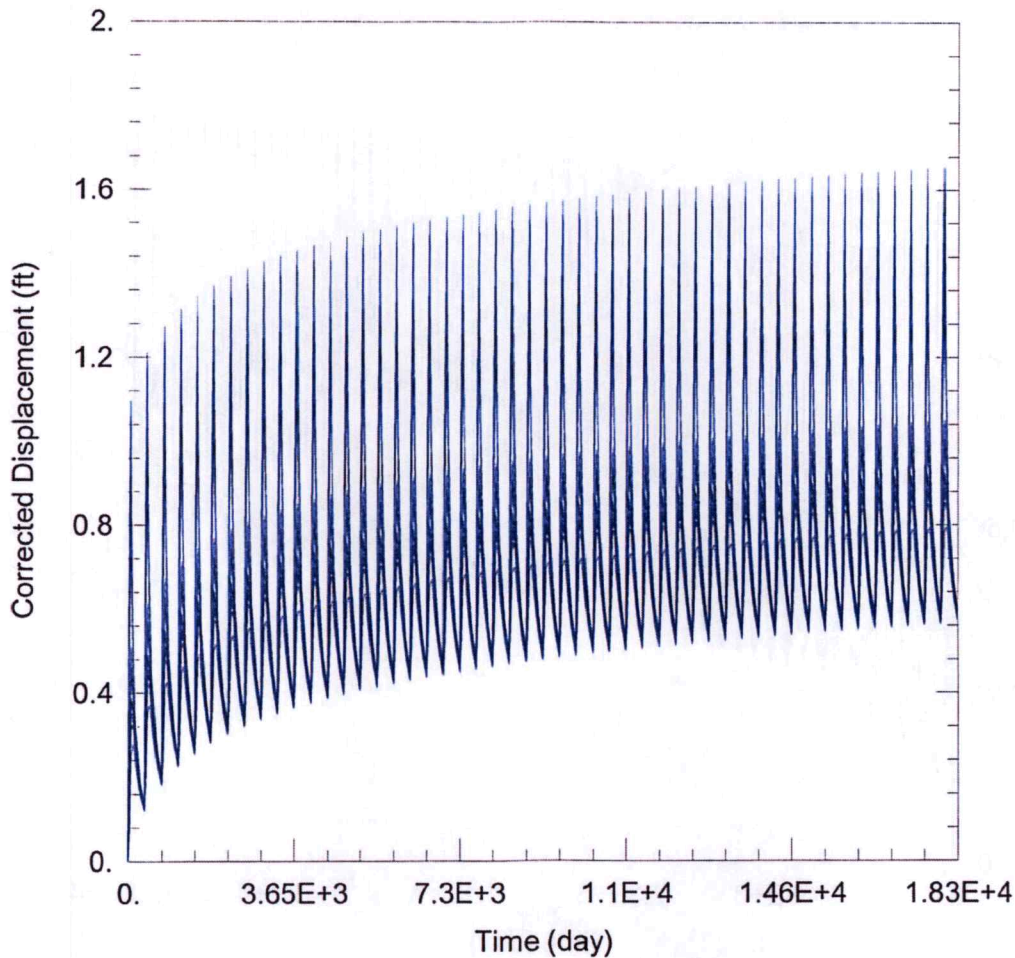


Domestic 1:	Drawdown from current location = 0.60 ft Drawdown from proposed location = 0.85 ft Net drawdown = <b>0.3 ft</b>
Domestic 2:	Drawdown from current location = 0.67 ft Drawdown from proposed location = 0.87 Net drawdown = <b>0.2 ft</b>
Domestic 3:	Drawdown from current location = 0.65 ft Drawdown from proposed location = 0.92 ft Net drawdown = <b>0.3 ft</b>
Domestic 4:	Drawdown from current location = 0.88 ft Drawdown from proposed location = 1.37 ft Net drawdown = <b>0.5 ft</b>
Domestic 5:	Drawdown from current location = 0.80 ft Drawdown from proposed location = 0.85 ft Net drawdown = <b>0.0 ft</b>

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 Wells

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

Observation Wells

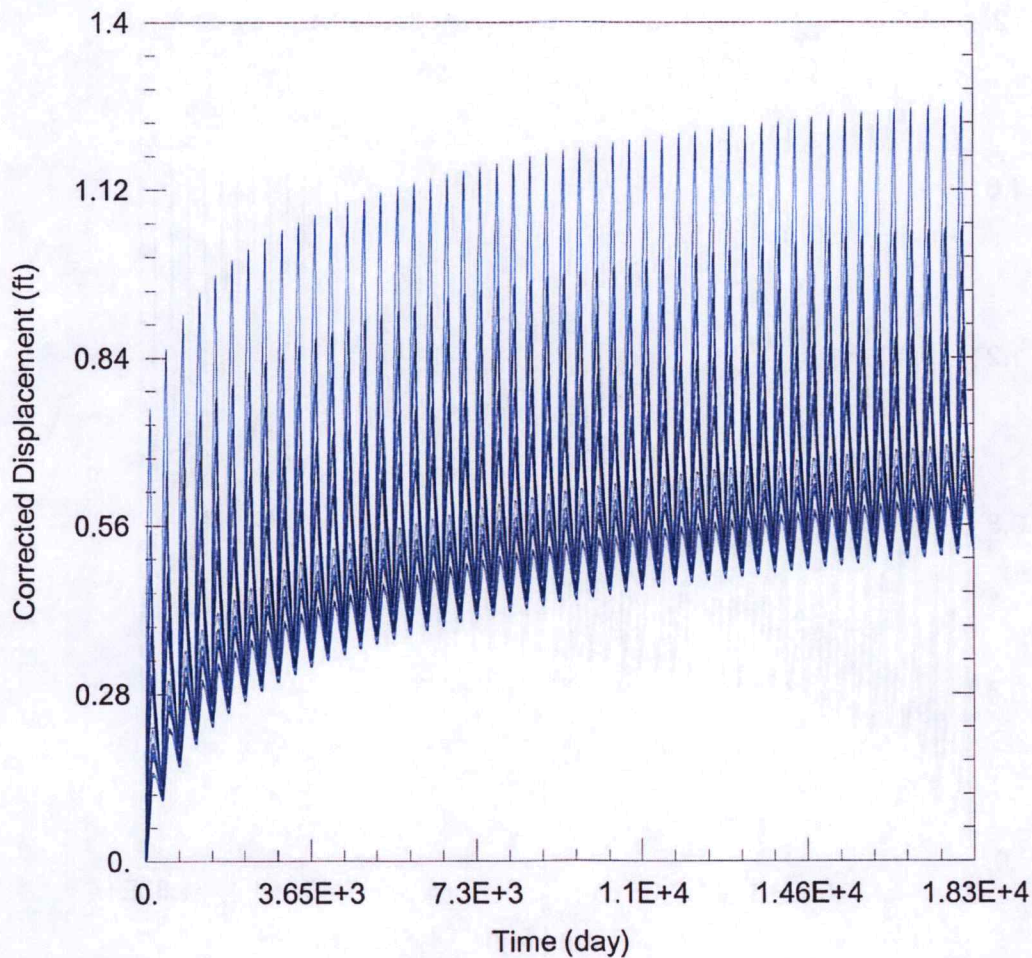
Well Name	X (ft)	Y (ft)
□	-100430	370923
□ 20934	-102184	369964
□ 21528 ID4	-102098	372571
□ 21528 ID6	-99477	373559
□ 14344 ID6	-104761	369555
□ 14344 ID7	-104776	372461
□ 20928	-99461	375238
□ 20930	-96872	372590
□ 20932	-96561	368953
□ 20937	-96811	367086
□ 20935	-102238	367309
□ 20936	-99594	367315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

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### 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

#### Observation Wells

Well Name	X (ft)	Y (ft)
□	-98376	369819
□ 20934	-102184	369964
□ 21528 ID4	-102098	372571
□ 21528 ID6	-99477	373559
□ 14344 ID6	-104761	369555
□ 14344 ID7	-104776	372461
□ 20928	-99461	375238
□ 20930	-96872	372590
□ 20932	-96561	368953
□ 20937	-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*



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 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