

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

1. File Number: <b>7195-D1</b>	2. Status Change Date: <i>11-4-2021</i>	3. Change Num: <b>C3</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</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>10/7/2021</b>
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8a. Applicant(s)/Landowner/WUC New to system <input type="checkbox"/> Person ID <b>66246</b> Add Seq# _____  <b>KANSAS DAIRY DEVELOPMENT LLC</b> <b>Attn: JASON SHAMBURG</b> <b>PO BOX 239</b> <b>DEERFIELD, KS 67838</b>	8c. Landowner(s) New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
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8b. Landowner(s) New to system <input type="checkbox"/> Person ID _____ Add Seq# _____	8d. WUC/ Landowner New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2022**     N & P Date to Comply: **3/1/2023**

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: **11/3/2021**    By: **MAM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **7195-D1**      11. County: **KE**      Basin: **ARKANSAS RIVER**      Stream:      Formation Code: **211/331**      Special Use: **016**

12. Points of Diversion											Rate and Quantity					
CHK	MOD	DEL	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
<b>DEL</b>				<b>22747</b>												
<b>ENT</b>				<b>SW NW SW</b>	<b>1</b>	<b>24S</b>	<b>35W</b>		<b>1922</b>	<b>5240</b>		<b>1250</b>	<b>1100</b>	<b>1250</b>	<b>166</b>	<b>NONE</b>
<b>CHK</b>				<b>NE NW NW</b>	<b>1</b>	<b>24S</b>	<b>35W</b>		<b>4915</b>	<b>4185</b>		<b>1100</b>	<b>964</b>	<b>1100</b>	<b>964</b>	<b>NONE</b>

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

14. Limitation: **1130** af/yr at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) **TOTALS UNDER THIS WATER RIGHT**  
 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																			Total	Owner	Chg?	Overlap Files						
CHK	MOD	DEL	ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼							
									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</b>				<b>12950</b>																								

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

Mike Beam, Secretary

Laura Kelly, Governor

November 4, 2021

KANSAS DAIRY DEVELOPMENT LLC  
Attn: JASON SHAMBURG  
PO BOX 239  
DEERFIELD, KS 67838

RE: Filed Office Application for Change  
Water Right, File No. 7195-D1

Dear Sir:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

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

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

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

### CERTIFICATE OF SERVICE

On this 4<sup>th</sup> day of November 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 7,195-D1 dated 4<sup>th</sup> day of November 2021 was mailed postage prepaid, first class, US mail to the following:

KANSAS DAIRY DEVELOPMENT LLC  
Attn: JASON SHAMBURG  
PO BOX 239  
DEERFIELD, KS 67838

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. 7195-D1

**RECEIVED**  
 10:07 pm  
 OCT 07 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: KANSAS DAIRY DEVELOPMENT LLC  
PO BOX 239 DEERFIELD KS 67838

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: \_\_\_\_\_

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			

<b>For Office Use Only: Code</b> _____ <b>Fee \$</b> <u>200.00</u> <b>TR #</b> _____ <b>Receipt Date</b> <u>10-7-21</u> <b>Check #</b> <u>5828</u>
--

5. **Presently authorized point of diversion:**  
 One in the SW Quarter of the NW Quarter of the SW Quarter of Section 1, Township 24 South, Range 35 W, in Kearny County, Kansas, 1350 feet North 5200 feet West of Southeast corner of section. Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well 387 (feet)  
 (DWR use only: Computer ID No. 07 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 SW Quarter of the NW Quarter of the SW Quarter of Section 1, Township 24 South, Range 35 (E/W), in Kearny County, Kansas, 1922 feet North 5240 feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) 402.  
 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 NE Quarter of the NW Quarter of the NW Quarter of Section 1, Township 24 South, Range 35 W, in Kearny County, Kansas, 4915 feet North 4185 feet West of Southeast corner of section. Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well 416 (feet)  
 (DWR use only: Computer ID No. 08 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

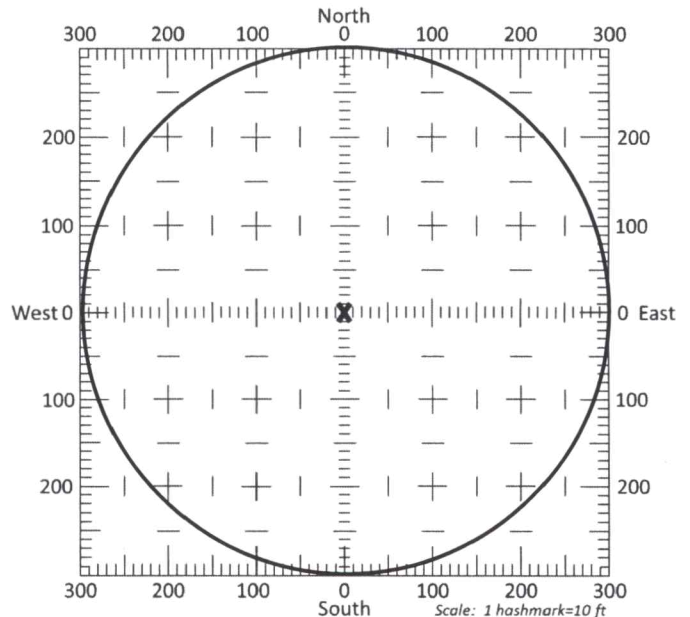
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_  
 \_\_\_\_\_

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 GARDEN CITY, Kansas, this 6<sup>th</sup> day of OCTOBER, 2021.

<span style="color: red; font-size: 2em; font-weight: bold;">X</span>	
(Owner)	(Spouse)
<span style="color: red; font-size: 2em; font-weight: bold;">X</span> <u>Jason Shamburg</u>	
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)

State of Kansas }  
 County of FINNEY } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 6<sup>th</sup> day of OCT, 2021



Catherine Reinert  
 Notary Public

My Commission Expires 9-14-22

**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**

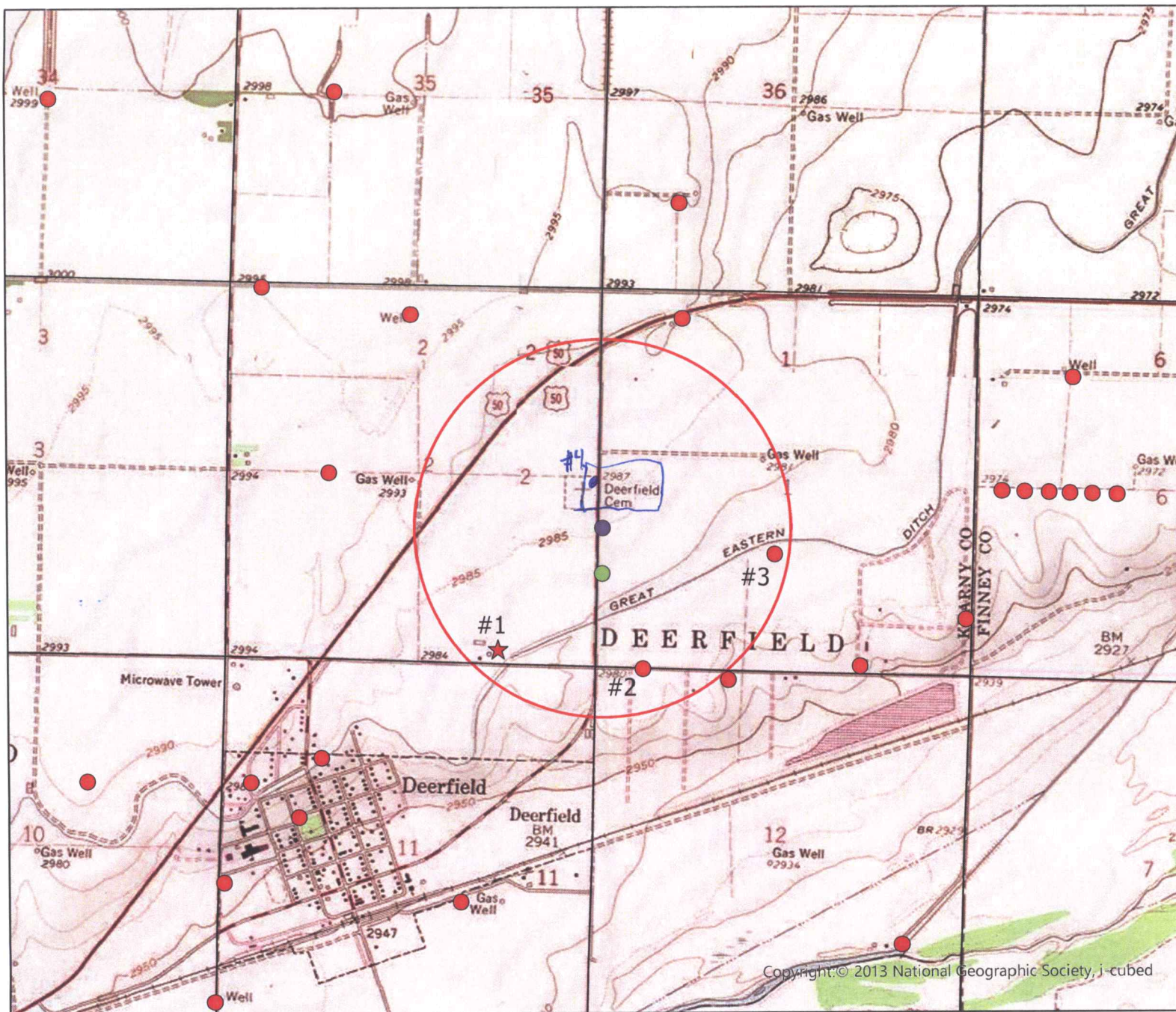
- (1) Application to change a point of diversion 300 feet or less ..... \$100
- (2) Application to change a point of diversion more than 300 feet ..... **\$200**
- (3) Application to change the place of use ..... \$200





# CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 7195-D1

SW 1/4 of Section 1 Township 24 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
- 1/2 Mile Buffer

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

- #1 Domestic Well  
Hal Scheuerman - PO Box 222 Deerfield KS 67838
- #2 File No. 38993  
KANSAS DAIRY DEVELOPMENT LLC
- #3 File No. 16536  
KANSAS DAIRY DEVELOPMENT LLC
- #4 Deerfield Cemetery  
PO Box 1276 Lakin KS 67860



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

(Signature)

Date

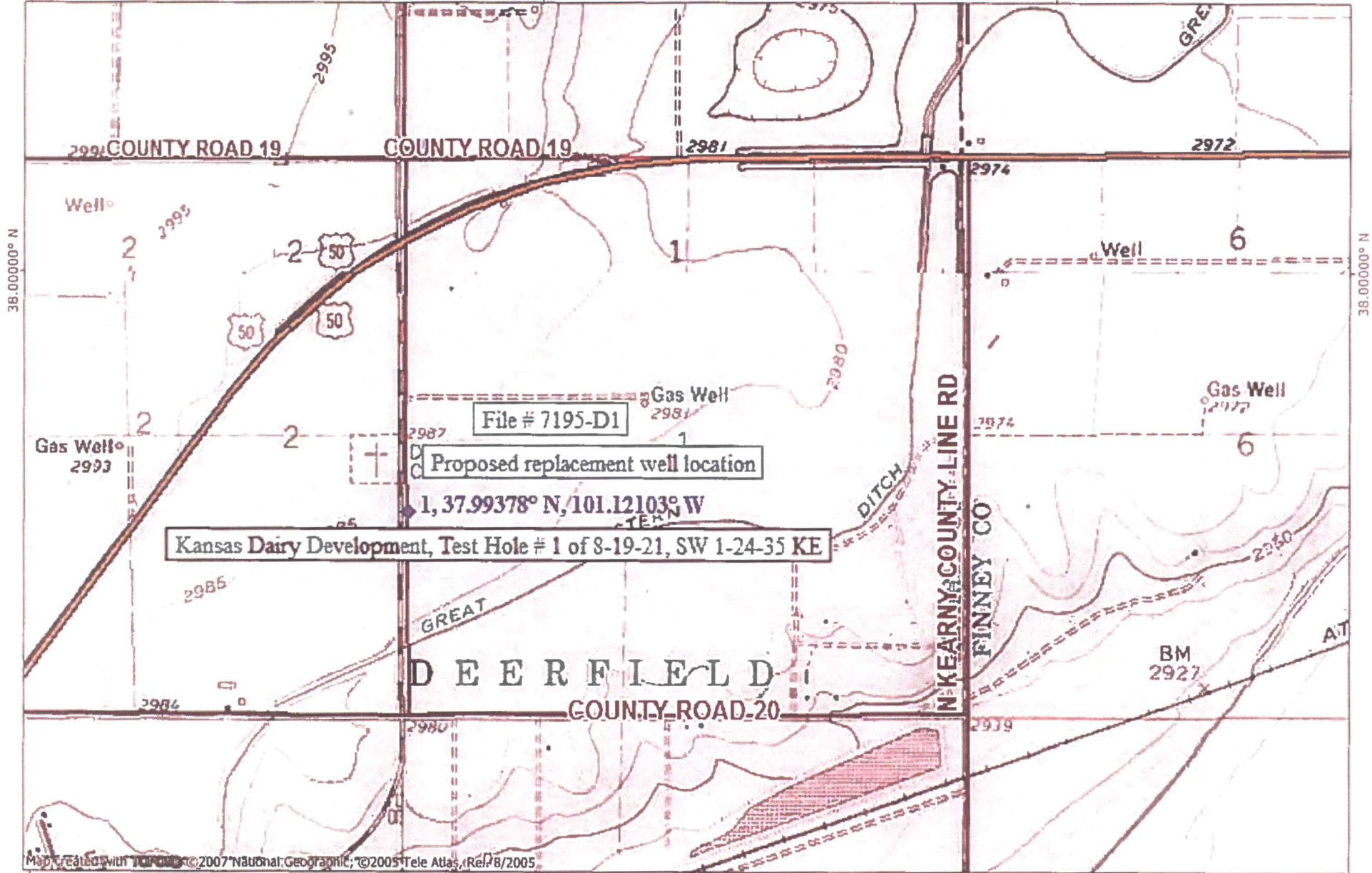
Date: 10/1/21 HH/GCFO  
Scale: 1:24,000



101.13333° W

101.11667° W

WGS84 101.10000° W

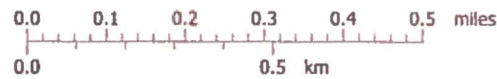


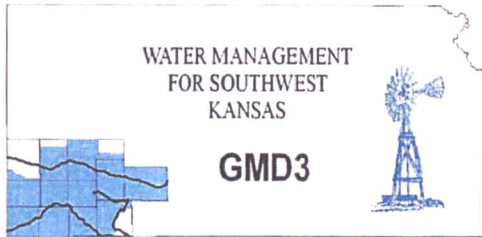
Map created with TopoTools © 2007 National Geographic, © 2005 Tele Atlas, (Rev. 8/2005)

101.13333° W

101.11667° W

WGS84 101.10000° W





**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

November 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 No. 7195 D1

Dear Mike:

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

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

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that several of the neighboring wells exceeded the net effect above the maximum allowable threshold. Further analysis showed that the proposed change would not create critical well effects. Our office did receive a call from one of the neighboring landowners. We discussed the analysis and any questions he might have. He did not want to hinder or comment on this application. 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.

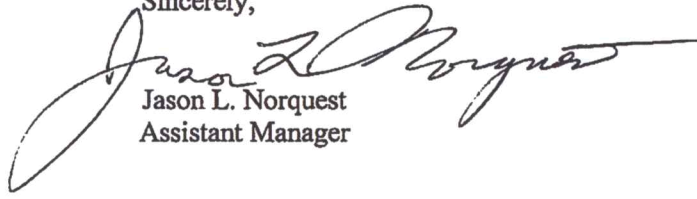
Individuals did raise concerns about the cemetery wells across the road. These wells are small wells, but water more area than allowed by a domestic well and is a matter that we will continue to work them and the State to try and correct. It was believed that the land for the cemetery had the ability to water under the water rights for that quarter. We had discussions that if that was the case the water would need to come from the authorized points of diversion for those water rights. The wells at the cemetery are not authorized to water as many acres as the cemetery covers. Our analysis also showed that the cemetery wells are not considered to be critical due to this proposed change. Staff will continue to work with the cemetery and DWR staff to see if there is a solution for the cemetery to be able to water and maintain the cemetery.

RECEIVED

NOV 04 2021

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 black ink, appearing to read "Jason L. Norquest". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jason L. Norquest  
Assistant Manager

## GMD3 Change Review

---

File No(s): 7195 D1.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Kansas Dairy Development LLC.

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) 07 being changed.

	ft. North	ft. West	
Authorized PD	1350	5200	Sect 1-24-35
Proposed PD	1922	5240	
Difference	-572 n	-40 w	
a2 + b2 = c2	327184	1600	573.3969 foot move NW

GPS for proposed PD: Lat: 37.99378 Long: -101.12103.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified:   .

Name Green Acre Farms Inc. %Larry Miller (1202 & 1203).

Address 1939 RD Z.

Zip Deerfield, KS 67838.

Email: gafi@pld.com Phone: 620-426-6538.

Larry called to clarify some questions he had. He wanted to know why they didn't stay within 300', which I told him I believe they found a better test hole at the location proposed. He then said he did have concern about the applicant now pumping the well year round. He thought they were going to be converting to STK. I told him at this time, the application is only to move the well and not change the use made of water. We reviewed our analysis for the area and how we did the calculations based on the application presented to us. After our discussion, he did not have any concerns at this time with the proposed change.

Name Kirk A & Kent A Maddux (1847).

Address 2243 Road 190.

Zip Deerfield, KS 67838.

Email: ccm7777@hotmail.com Phone: 785-313-2699.

Name City of Deerfield (2531).

Address PO Box 281.

Zip Deerfield, KS 67838.

Email: publicworks@deerfieldkansas.com Phone: 620-426-7411.

**RECEIVED**

NOV 04 2021

Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

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

Name Hal Scheuerman.

Address PO Box 222.

Zip Deerfield, KS 67838.

Name Deerfield Cemetery.

Address PO Box 1276.

Zip Deerfield, KS 67860.

Name Abraham & Susana Berg (SW SE 35).

Address PO Box 11.

Zip Deerfield, KS 67838.

Base Acres: \_\_\_.

Perfected Acres: \_\_\_.

Irr. Return-Flow \_\_\_%

**No log found for current well. Most on the section are in the 390-415' range.**

**Proposed well is 402' with 20' sump.**

**Well was not running during most recent inspection.**

**Currently authorized 1100AF @ 1250gpm, Limited to 1100AF/year on both wells under this water right.**

**No recent water use reported for this PD.**

Is a waiver needed: Minimum spacing not met to 38993, owned by applicant, however it does improve current spacing not met. Analysis shows there could be effects on neighboring wells, however none of them were shown to be critical. The cemetery across the road and others with cemetery have voiced concern about the effects on their well.

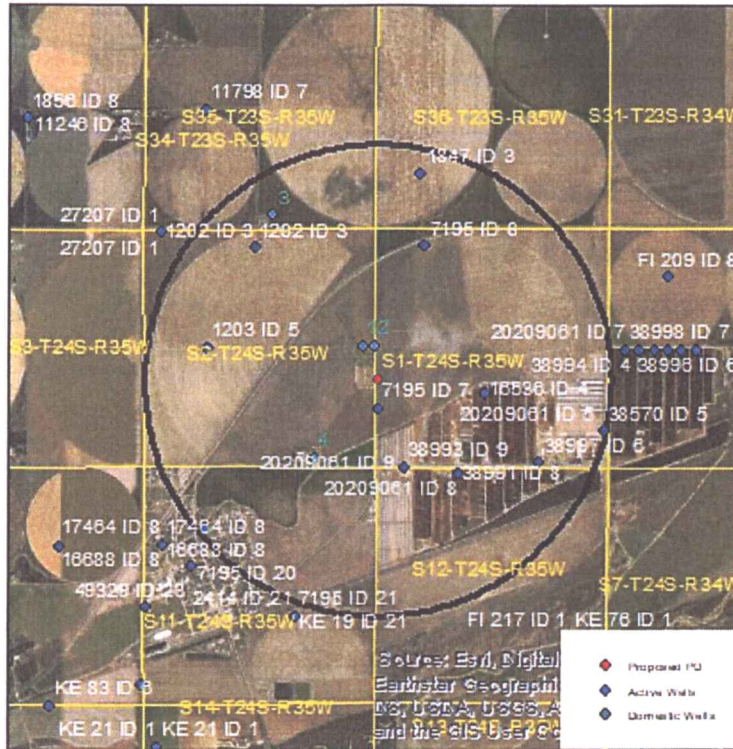
The cemetery does not have a water right on the well(s) and is watering more than a domestic well is allowed to. Our office needs to continue to work with the cemetery and DWR for a solution to their watering needs. Our analysis also showed that none of the wells in the area showed up as critical. So there may be an effect, but it would be within the guidelines of the analysis.

Recommendation: After review of all available information, the proposed move appears to meet current area rules. Staff therefore recommends approval of the application. Also, staff will continue to work on the cemetery water issues.



**Evaluation of proposed move for Water Right No. 7195 D1**

Proposed: Move water right no. 7195 D1 ID7 to a new well location 637 ft to the north.



Wells within 1 mile: 16536, 38997, 38993, 38570, 1847, 1202, 1203, 2531, 38991, and four domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 260 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:

$S = 0.149$ ,  $T = 13,773 \text{ ft}^2/\text{day}$ ,  $t_{p\text{current}} = 75 \text{ days}$ ,  $Q_{\text{current}} = 896 \text{ gpm}$ ,  $t_{p\text{proposed}} = 199 \text{ days}$ ,  $Q_{\text{proposed}} = 1250 \text{ gpm}$  (Note that the current well location has not been used over the past 10 years. This right has a limitation with 7195 D1 ID8, and as a worst-case scenario, analysis was run as if all authority was pumped out of the proposed well location. Current effects are from 7195 D1 ID8.)

Theis drawdowns were calculated as follows:

- 16536: Drawdown from current location = 1.55 ft
- Drawdown from proposed location = 5.88 ft
- Net drawdown = 4.3 ft

**RECEIVED**

**NOV 04 2021**

Garden City Field Office  
Division of Water Resources



38997: Drawdown from current location = 1.13 ft  
Drawdown from proposed location = 4.60 ft  
Net drawdown = **3.5 ft**

38993: Drawdown from current location = 1.21 ft  
Drawdown from proposed location = 6.36 ft  
Net drawdown = **5.1 ft**

38570: Drawdown from current location = 1.08 ft  
Drawdown from proposed location = 4.03 ft  
Net drawdown = **2.9 ft**

1847: Drawdown from current location = 2.74 ft  
Drawdown from proposed location = 4.28 ft  
Net drawdown = **1.5 ft**

1202: Drawdown from current location = 1.46 ft  
Drawdown from proposed location = 4.64 ft  
Net drawdown = **3.6 ft**

1203: Drawdown from current location = 1.13 ft  
Drawdown from proposed location = 4.69 ft  
Net drawdown = **3.6 ft**

2531: Drawdown from current location = 0.88 ft  
Drawdown from proposed location = 4.09 ft  
Net drawdown = **3.2 ft**

38991: Drawdown from current location = 1.18 ft  
Drawdown from proposed location = 5.56 ft  
Net drawdown = **4.4 ft**

Domestic 1: Drawdown from current location = 1.90 ft  
Drawdown from proposed location = 8.86 ft  
Net drawdown = **7.0 ft**

Domestic 2: Drawdown from current location = 1.98 ft  
Drawdown from proposed location = 9.2 ft  
Net drawdown = **7.2 ft**

Domestic 3: Drawdown from current location = 1.57 ft  
Drawdown from proposed location = 4.45 ft  
Net drawdown = **2.9 ft**

Domestic 4: Drawdown from current location = 1.15 ft  
Drawdown from proposed location = 6.10 ft  
Net drawdown = **5.0 ft**

Net drawdown exceeds the drawdown allowance of 4.0 ft for water right nos. 16536, 38993, 38991, and domestic wells 1, 2, and 4. Critical well analysis is necessary for those wells.

**Critical Well Evaluation:**

**16536:**

Water Column = 260 ft

DP = 4.3 ft (Net drawdown from the proposal indicated above)

DE = 46.9 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 10.7 ft (S = 0.144, T = 103,025 gpd/ft, Q = 400 gpm, tp = 107 days, efficiency = 70%)

DT = 61.9 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 260 \text{ ft} = 104 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $260 \text{ ft} - 60 \text{ ft} = 200 \text{ ft}$

Total drawdown of 61.9 ft is less than the EDC and PDC, so this well is **not critical**.

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Division of Water Resources

**38993:**

Water Column = 286 ft

DP = 5.1 ft (Net drawdown from the proposal indicated above)

DE = 28 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 1.8 ft (S = 0.09633, T = 74,750 gpd/ft, Q = 50 gpm, tp = 82 days, efficiency = 70%)

DT = 34.9 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 286 \text{ ft} = 114.4 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $286 \text{ ft} - 60 \text{ ft} = 226 \text{ ft}$

Total drawdown of 34.9 ft is less than the EDC and PDC, so this well is **not critical**.

**38991:**

Water Column = 286 ft

DP = 4.4 ft (Net drawdown from the proposal indicated above)

DE = 28 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 1.9 ft (S = 0.09633, T = 74,750 gpd/ft, Q = 50 gpm, tp = 179 days, efficiency = 70%)

DT = 34.3 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 286 \text{ ft} = 114.4 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $286 \text{ ft} - 60 \text{ ft} = 226 \text{ ft}$

Total drawdown of 34.3 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 1:**

Water Column = 267 ft

DP = 6.9 ft (Net drawdown from the proposal indicated above)

DE = 50.2 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 57.1 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 267 \text{ ft} = 106.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $267 \text{ ft} - 20 \text{ ft} = 247 \text{ ft}$

Total drawdown of 57.1 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 2:**

Water Column = 267 ft

DP = 7.2 ft (Net drawdown from the proposal indicated above)

DE = 50.2 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 57.4 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 267 \text{ ft} = 106.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $267 \text{ ft} - 20 \text{ ft} = 247 \text{ ft}$

Total drawdown of 57.4 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 4:**

Water Column = 267 ft

DP = 5.0 ft (Net drawdown from the proposal indicated above)

DE = 50.2 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 55.2 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 267 \text{ ft} = 106.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $267 \text{ ft} - 20 \text{ ft} = 247 \text{ ft}$

Total drawdown of 55.2 ft is less than the EDC and PDC, so this well is **not critical**.

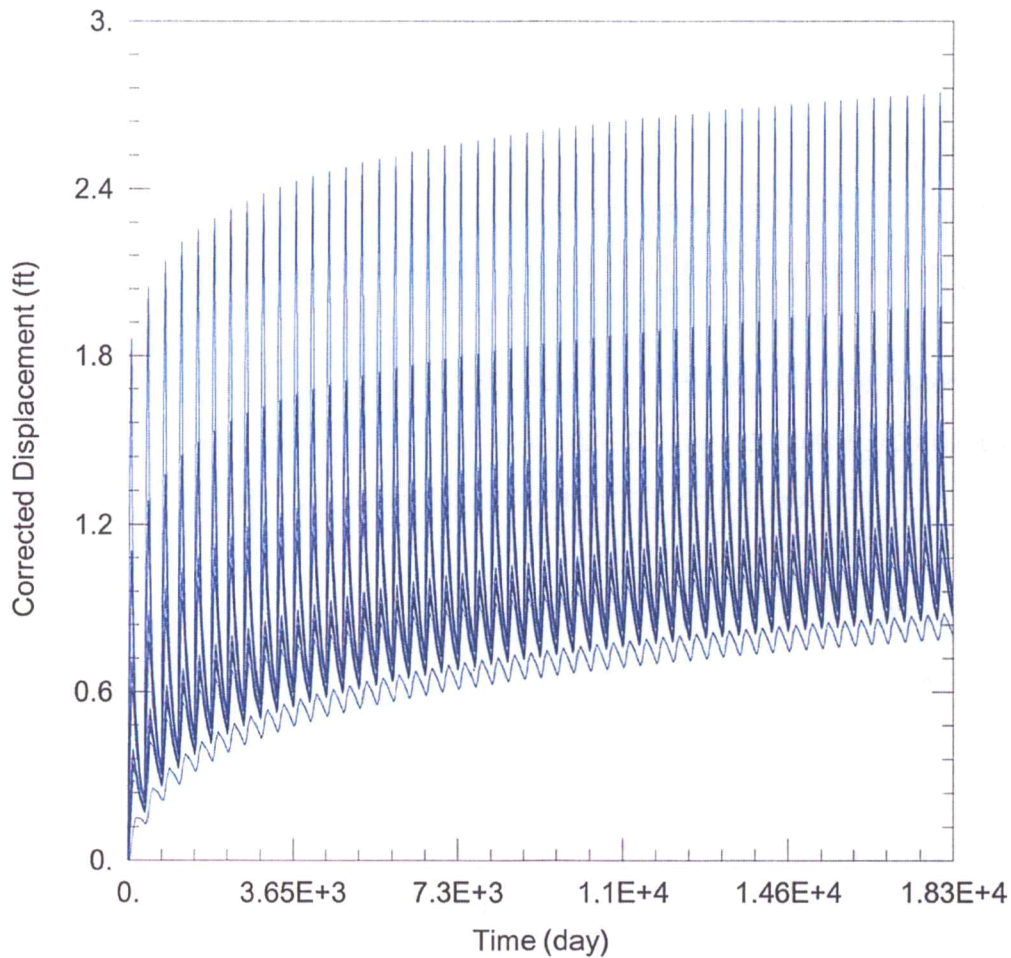
**Conclusion:**

The proposed moves are located in an area with ample saturated thickness and aquifer properties that allow for productive wells. If the proposed well were to pump its full authorized authority, there would likely be a noticeable effect on a few neighboring wells. Critical well analysis shows that none of these neighboring wells are critical, meaning that they are not likely to lose a significant amount of productivity because of this change. GMD3 staff recommends approval of the application.

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Garden City Field Office  
Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021\_Moves\7195\_D1\7195 Current.aqt

Date: 10/22/21

Time: 16:22:45

PROJECT INFORMATION

Company: GMD 3

Project: 7195 D1

Location: Kearny County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
7195 ID8	-91621	410508

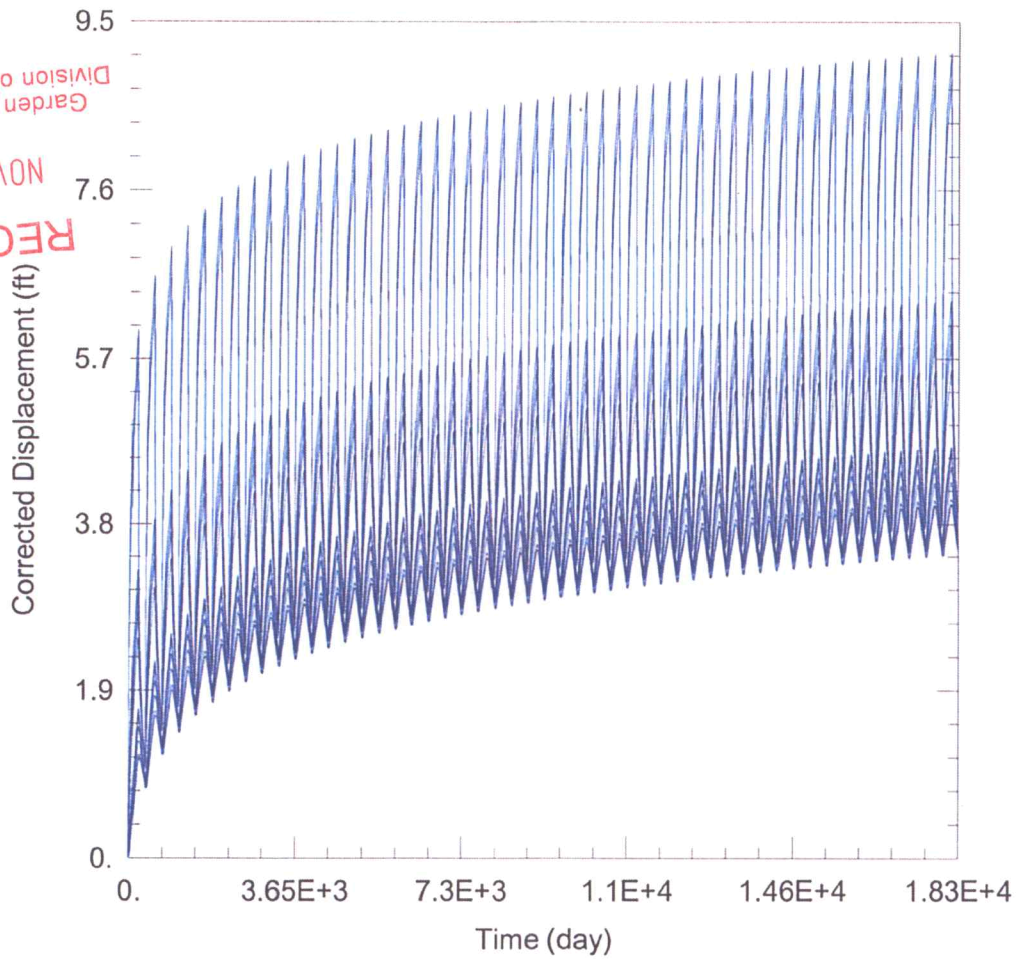
Observation Wells

Well Name	X (ft)	Y (ft)
□	-91621	410508
□ 16536	-90249	407226
□ 38997	-89015	405689
□ 38993	-92070	405576
□ 38570	-87543	406380
□ 1847	-91702	412129
□ 1202	-95454	410471
□ 1203	-96557	408224
□ 2531	-96571	404215
□ 38991	-90860	405451
□ Domestic 1	-93041	408266
□ Domestic 2	-92779	408262
□ Domestic 3	-95039	411206
□ Domestic 4	-94116	405797

Garden City Field Office  
Division of Water Resources

NOV 04 2021

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WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021\_Moves\7195\_D1\7195 Proposed.aqt  
Date: 10/22/21 Time: 16:22:37

PROJECT INFORMATION

Company: GMD 3  
Project: 7195 D1  
Location: Kearny County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
Proposed PD	-92677	407533	□	-92677	407533
			□ 16536	-90249	407226
			□ 38997	-89015	405689
			□ 38993	-92070	405576
			□ 38570	-87543	406380
			□ 1847	-91702	412129
			□ 1202	-95454	410471
			□ 1203	-96557	408224
			□ 2531	-96571	404215
			□ 38991	-90860	405451
			□ Domestic 1	-93041	408266
			□ Domestic 2	-92779	408262
			□ Domestic 3	-95039	411206
			□ Domestic 4	-94116	405797

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

1922 Feet N and 5240 Feet W of the Southeast Corner of Section 1 Twp 24S Rng 35W  
 Located at: 101.121030 West Longitude and 37.993781 North Latitude  
 Both SURFACE WATER and GROUNDWATER

*2300 on a*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	1202 00	IRR	NK	G	4042	--	--	--	4850	2750	2	24	35W	3		454.00	454.00
A__ AF	1203 00	IRR	NK	G	3996	--	NW	NE	SW	2600	3890	2	24	35W	5	455.00	.00
A__ AF	1847 00	IRR	NK	G	4736	--	NE	SW	SW	1220	4210	36	23	35W	3	320.00	320.00
A__ AF	2531 00	MUN	NK	G	5116	--	NW	SE	NW	3862	3840	11	24	35W	22	62.91	62.91
A__ AF	7195 D1	IRR	NK	G*	580	--	SW	NW	SW	1350	5200	1	24	35W	7	1100.00	166.00
Same AF					3157	--	NE	NW	NW	4915	4185	1	24	35W	8	964.00	964.00
A__ AF	16536 00	STK	NK	G	2448	--	SE	NE	SW	1625	2800	1	24	35W	4	314.01	314.01
A__ AF	38570 00	STK	NK	G	5263	--	NE	SE	SE	785	88	1	24	35W	5	25.01	25.01
A__ AF	38991 00	STK	NK	G	2764	--	NW	NE	NW	5100	3375	12	24	35W	8	25.01	25.01
A__ AF	38993 00	STK	NK	G	2050	--	CN	NW		5216	4590	12	24	35W	9	25.01	25.01
A__ AF	38997 00	STK	NK	G	4101	--	SE	SW	SE	90	1565	1	24	35W	6	25.01	25.01

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	2380.97	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2380.97	.00

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

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

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

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

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

1922 Feet North and 5240 Feet West of the Southeast Corner of Section 1 Twp 24S Rng 35W  
 Located at: 101.121030 West Longitude and 37.993781 North Latitude  
 Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
>	GREEN ACRE FARMS INC		
>	LARRY MILLER		
>	1939 RD Z		<i>1202</i>
>	DEERFIELD KS 67838		
-----			
>	GREEN ACRE FARMS INC		
>	LARRY MILLER		
>	1939 RD Z		<i>1203</i>
>	DEERFIELD KS 67838		
-----			
>	KIRK A & KENT A MADDUX		<i>1847</i>
>			

> 2243 ROAD 190  
> DEERFIELD KS 67838

>-----  
> CITY OF DEERFIELD

>  
> PO BOX 281  
> DEERFIELD KS 67838

2531

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

7195 DI - change 180

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

16536

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

38570

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

38991

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

38993

Spacing not met  
Does Improve spacing.

>-----  
> KANSAS DAIRY DEVELOPMENT LLC  
> JASON SHAMBURG  
> PO BOX 239  
> DEERFIELD KS 67838

38997

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NOV 04 2021

Garden City Field Office  
Division of Water Resources



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

October 20, 2021

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

Re: Request for Recommendation  
Water Right, File No. 7195-D1

Dear Mr. Norquest:

This is to advise you that Kansas Dairy Development LLC, has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion.

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 handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures

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



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Mike Beam, Secretary

Laura Kelly, Governor

October 8, 2021

DEERFIELD CEMETARY  
PO BOX 1276  
LAKIN KS 67860

RE: Application for Change  
Water Right, File No. 7195-D1

Dear Sir or Madam:

This is to advise you that Kansas Dairy Development LLC 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 application.

You can find the complete application posted by water right file number as referenced above at [www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices](http://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices).

You are notified of this proposed point of diversion (well) 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,

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

Michael A. Meyer  
Water Commissioner

MAM

pc: Groundwater Management District No. 3

SCANNED

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



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

Mike Beam, Secretary

Laura Kelly, Governor

October 8, 2021

DEERFIELD CEMETARY  
PO BOX 1276  
LAKIN KS 67860

RE: Not in Compliance Letter

Dear Sir or Madam:

This letter serves to notify you that an unauthorized water well has a threat to divert water for beneficial use for irrigation use. The threat of diversion exists since the water well is not covered by a nondomestic water right. Any diversion of water from this water well for irrigation use must cease.

There appears to be a water well is in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ ) of Section 2, Township 24 South, Range 35 West in Kearny County, Kansas. The water well appears to supply water to a beneficial use for irrigation use for the Deerfield Cemetery that appears to be approximately over 9 acres in size. According to rule and regulation, K.A.R. 5-1-1(rr), Irrigation use means the watering of lawns exceeding two acres in area and the watering of cemeteries.

**K. S. A. 82a-728** makes it unlawful for any person to appropriate, or threaten to appropriate, water from any source without first applying for and obtaining a permit to appropriate water in accordance with the Kansas Water Appropriation Act and provides for criminal penalties for violation.

There is nothing in the office of the chief engineer to show any water right that would allow this well to remain in operation. Please contact this office immediately if this letter is in error or provide your plans to resolve the threat of unauthorized diversion from this well.

Thank you for your prompt response and please contact us for any assistance.

Sincerely,

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

Michael A. Meyer  
Water Commissioner

MAM  
pc: GMD3

Nearby Deerfield Cemetary Wells  
SE 1/4 2-24-35W KE Co.



Well with hose 37.99579, -101.12230



Inside well with hose



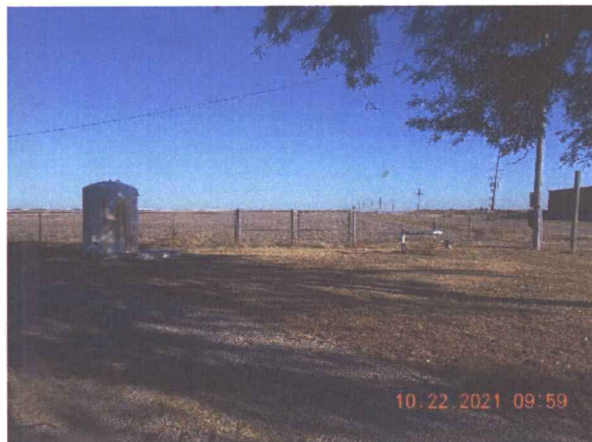
Storage Tank 37.99576, -101.12151



Inside hatch of storage tank



Well, east of storage tank 37.99578, -101.12139



## Deerfield Cemetery



Section 2, Township 24 South, Range 35 West, Kearny County

Total acres of cemetery: around 8.4, Total acre of used/green part of cemetery: around 4

All wells off, no meters

Visited by Alex Torrance on 10/13/2021

October 20, 2021

Kansas Department of Water Resources

Garden City Field Office

4532 W. Jones, Suite B

Garden City, Ks. 67846

To Whom It may concern:

I was notified of a change in location of a well in the SW of 1-24-35 Kearny County to be redrilled by Kansas Dairy Development LLC, File number 7195-D1. As they are moving further from my house well and I have already drilled my well to 400 feet, we will run out of water about the same time. I do not have an objection to the move.

Sincerely,



Hal Scheuerman

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OCT 20 2021

Garden City Field Office  
Division of Water Resources

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

October 8, 2021

HAL SCHEUERMAN  
PO BOX 222  
DEERFIELD KS 67838

RE: Application for Change  
Water Right, File No. 7195-D1

Dear Sir:

This is to advise you that Kansas Dairy Development LLC 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 application.

You can find the complete application posted by water right file number as referenced above at [www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices](http://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices) .

You are notified of this proposed point of diversion (well) 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,

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

Michael A. Meyer  
Water Commissioner

MAM

pc: Groundwater Management District No. 3

SCANNED

## Meyer, Mike [KDA]

---

**From:** Hal Scheuerman <schrman@pld.com>  
**Sent:** Thursday, October 7, 2021 6:15 PM  
**To:** Meyer, Mike [KDA]  
**Subject:** RE: deerfield cemetary

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

Yes they do. It is a redrill of an original well that was about 100 feet west of the one now. Drilled in the mid 70's It is in the very Northeast corner of the cemetery. Is the feedyard getting too close? I see they dug a test hole across the road to the east about a month ago.

Sent from [Mail](#) for Windows

**From:** [Meyer, Mike \[KDA\]](#)  
**Sent:** Thursday, October 7, 2021 4:42 PM  
**To:** [schrman@pld.com](mailto:schrman@pld.com)  
**Subject:** deerfield cemetary

hal  
good afternoon  
quick question, does the cemetery have a well at their location north of your house?

thanks

*Mike*