

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

1. File Number: <b>22382</b>	2. Status Change Date: <b>5-26-2020</b>	3. Change Num: <b>C1</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>5/6/2020</b>
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8a. LANDOWNER, applicant, WUC New to system <input type="checkbox"/> Person ID <b>63245</b> Add Seq# _____  <b>DEBORAH BUCHANAN &amp; MARK A MILLER</b> <b>239 MAIN ST</b> <b>FORTMILL, SC 29715</b>	8c. Correspondent 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. correspondent 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: **12/31/2020**     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: **5/26/2020**    By: **MAM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **22382**      11. County: **ME**      Basin: **CROOKED CREEK**      Stream: \_\_\_\_\_      Formation Code: **211/331**      Special Use: \_\_\_\_\_

12. Points of Diversion										Rate and Quantity				
CHK MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		Overlap PD Files
										Rate cfs	Quantity af	Rate cfs	Quantity af	
<b>ENT</b>		<b>SWSWNE</b>	<b>19</b>	<b>30</b>	<b>28W</b>		<b>2815</b>	<b>2553</b>		<b>700</b>	<b>172</b>	<b>700</b>	<b>172</b>	

**DEL 46382**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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										NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼								
						<b>CHK</b>	<b>26168</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

May 18, 2020

DEBORAH BUCHANAN & MARK A MILLER  
239 MAIN ST  
FORTMILL, SC 29715

RE: Water Right, File No. 22382

Dear Sir and Madam:

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

Your attention is directed to this enclosure and to the terms, conditions, and limitations specified in the approval for change. Conditions of the approval is that acceptable water flowmeter 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 documents 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 to call 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: GMD3

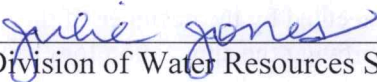
**CERTIFICATE OF SERVICE**

On this 26<sup>th</sup> day of May 2020, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,382 dated 26<sup>th</sup> day of May 2020 were mailed postage prepaid, first class, US mail to the following:

DEBORAH BUCHANAN & MARK A MILLER  
239 MAIN ST  
FORTMILL, SC 29715

With photocopies to:

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. 22382

**RECEIVED**  
 11:16 AM  
**MAY 06 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: DEBORAH BUCHANAN & MARK A MILLER  
PO BOX 125 MEADE KS 67864

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

Name and address of Water Use Correspondent: PHIL HARDAWAY  
PO BOX 511 MEADE KS 67864

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

3. The presently authorized place of use is:  
 Owner of Land ---- NAME: NO CHANGE

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: NO CHANGE

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 5-6-20 Check # 1

5. **Presently authorized point of diversion:**  
 One in the SW Quarter of the NW Quarter of the NE Quarter  
 of Section 19, Township 30 South, Range 28 (W),  
 in MEADE County, Kansas, 4060 feet North 2440 feet West of Southeast corner of section.  
 Authorized Rate --- Authorized Quantity --- Depth of well ≈ 310 (feet)  
**(DWR use only: Computer ID No. 1 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 SW Quarter of the NE Quarter  
 of Section 19, Township 30 South, Range 28 (W),  
 in MEADE County, Kansas, 2815 feet North 2553 feet West of Southeast corner of section.  
 Proposed Rate --- Proposed Quantity --- Proposed well depth (feet) 540'  
 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) LOSS OF PRODUCTION

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

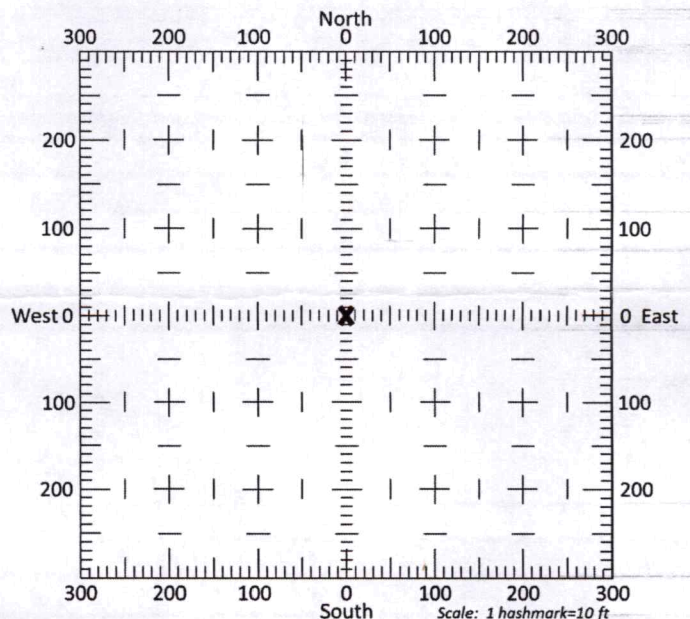
9. The change(s) (was)(will) be completed by?  
UPON APPROVAL

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

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by AM/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 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.)**

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 \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Deborah Buchanan  
(Owner)

\_\_\_\_\_  
(Spouse)

Deborah Buchanan  
(Please Print)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)

State of Kansas SC }  
County of York } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 24<sup>th</sup> day of April, 2020.

My Commission Expires Aug 25, 2020

Antw E Strickland  
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

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.)

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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 30<sup>th</sup> day of APRIL, 2020.

X Mark [Signature]  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(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 30TH day of APRIL, 2020.

My Commission Expires 9-14-22



Catherine Reinert  
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**

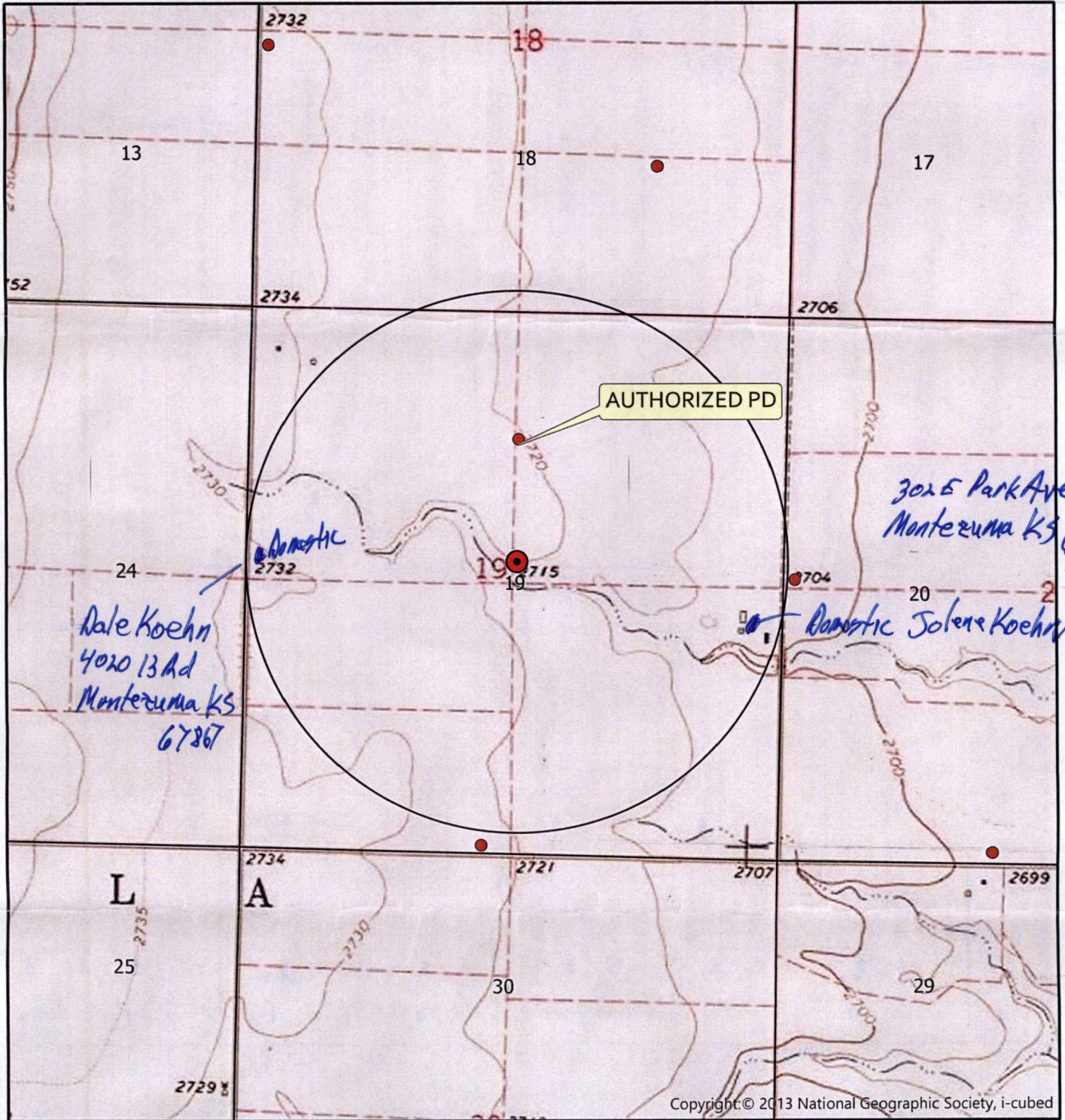
Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (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

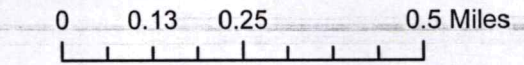




CHANGE IN POINT OF DIVERSION FILE NO. 22382



Township 30 South Range 28 West  
Meade County



- POINT OF DIVERSION
- PROPOSED PD

All wells within 1/2 mile are shown on the map



3795 W. Jones Ave.  
Garden City, KS 67846  
PH: 620-277-2389



PO Box 639  
Garden City, KS 67846  
Fax: 620-277-0224

GARY HARSHBERGER 620-338-0888

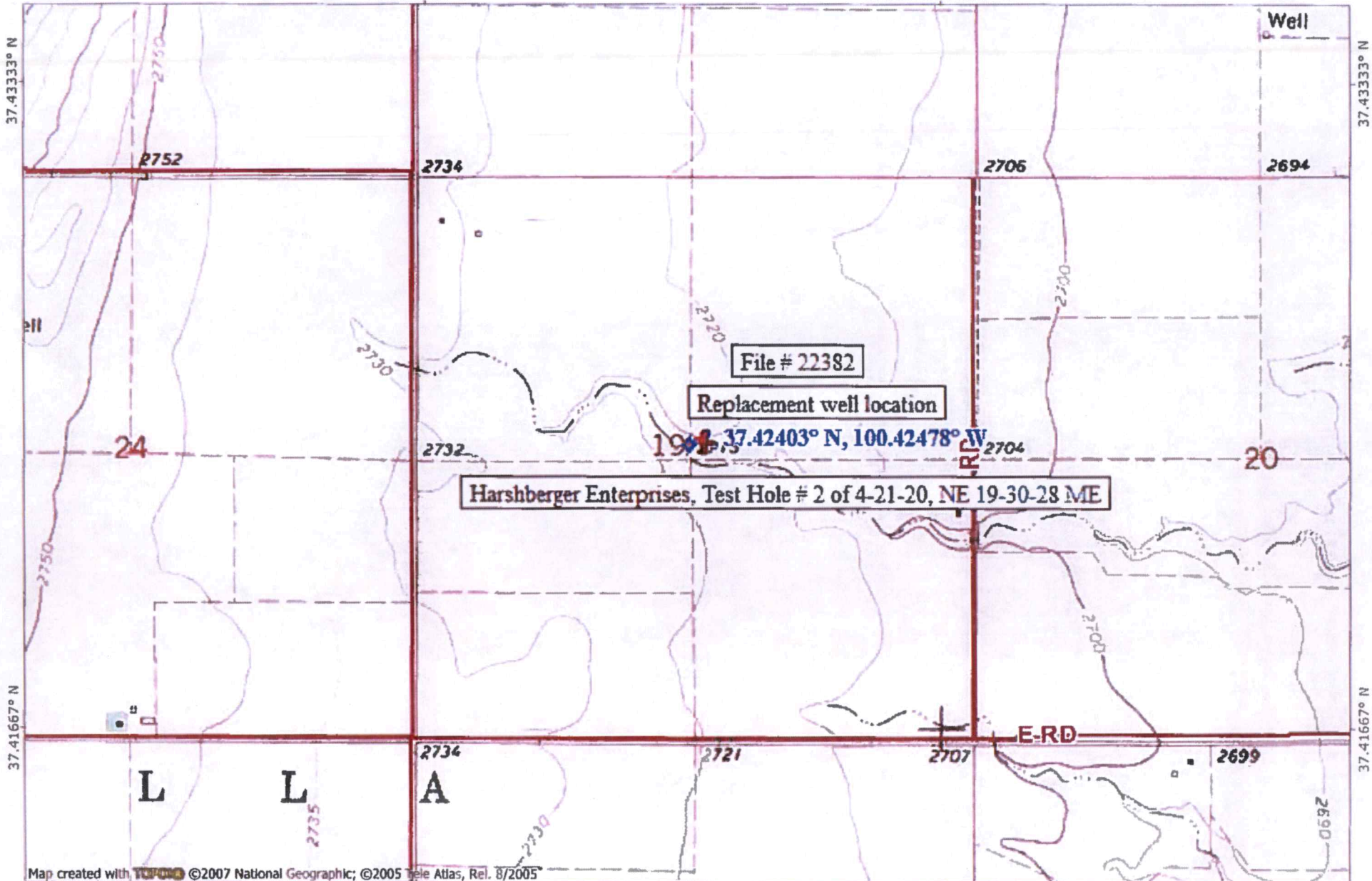
Customer Name: Harshberger Enterprises WO#: 20026 Date: 4-21-20  
Street Address: 10905 WILDFIRE RO. Test #: 2 E LOG: \_\_\_\_\_  
City, State: MINNEOLA, KS. 67865 Driller: Dale Guinn  
County: Meade Quarter: NE Section: 19 Township: 30 Range: 28  
Location: \_\_\_\_\_ GPS: N37.424029 W100.424775  
Rig #: 10002 Elevation: \_\_\_\_\_ Static WL: Appx. 217' Estimated? \_\_\_\_\_  
Proposed Well Depth 540  
WELL LOCATION 20' SURF

%	Footage			Description of Strata
	From	Pay	To	
	0		2	Top Soil
	2		22	Brown Sandy Clay
	22		29	Brown Clay w/ Few Lime Rock Strips + Some Fine Sand
	29		39	Brown Sandy Clay w/ Fine Sand + Lime Rock Mixed
	39		57	Fine Med Sand
	57		64	Fine Med Course Sand Small Med Some Large Gravel
	64		75	Brown Clay w/ some Calich
	75		101	Brown Sandy Clay w/ some Calich
	101		118	Fine Med Course Sand Small Gravel
	118		120	Brown Sandy Clay
	120		195	Fine Med Course Sand Small + Few Med Gravel "Loose"
	195		198	Brown Sandy Clay
	198		203	Fine Med Course Sand
	203		215	Brown + Gray Sandy Clay
	215		239	Fine Med Course Sand
	239		245	Gray Clay
25	245	26	271	Fine Med Course Sand w/ some small Gravel
	271		279	Brown Sandy Clay
30	279	56	335	Fine Med Course w/ some Dark Brown Rock + small Gravel
	335		340	Gray Clay
	340		350	Blue Clay
25	350	26	376	Fine Med Course Sand w/ Few Brown Clay Stringers + Couple Brown Clay Layers
30	376	17	393	Fine Med Course Sand Small Gravel "Loose"
5	393	31	424	Brown Sandy Clay w/ Many Fine Sand Layers
10	424	23	447	Fine Sand + Calich Mixed
10	447	18	465	Fine Sand + Brown Sandy Clay Mixed
	465		480	Brown Sticky Clay
10	480	18	498	Fine Sand w/ Couple Clay Layers
20	498	7	505	Fine Med Sand w/ Brown Rock
35	505	15	520	Fine Med Course Sand w/ Brown Rock
	520		526	Soapstone
	526		540	Gray Shale
				Super Gel X - 3
				Grout - 5
				Hot Plug 3/4 - 6
				Perma Plug - 1
				4 3/4 Drag Blade - 1

TOPO! map printed on 04/22/20 from "Untitled.tpo"

100.43333° W

NAD27 100.41667° W



File # 22382

Replacement well location

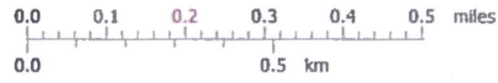
37.42403° N, 100.42478° W

Harshberger Enterprises, Test Hole # 2 of 4-21-20, NE 19-30-28 ME

Map created with TOPO! ©2007 National Geographic; ©2005 Tele Atlas, Rel. 8/2005

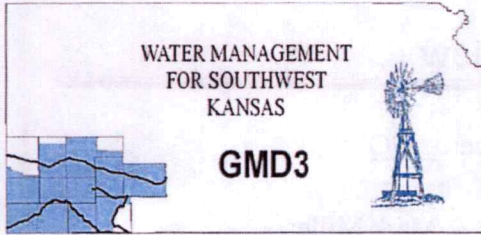
100.43333° W

NAD27 100.41667° W



TN MN  
5°

04/22/20



**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

May 26, 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 Diversion  
Water Right, File No. 22382

Dear Mike:

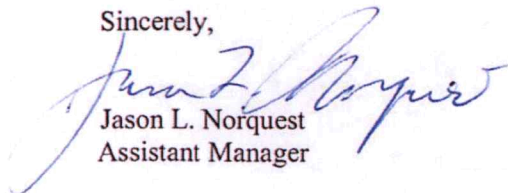
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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 range 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 none of the neighboring wells exceeded the net effect above the maximum allowable threshold and were actually well under that threshold. None of the wells showed critical status. Our office received no comments from neighboring well owners. Therefore, GMD3 sees this move as reasonable and 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  
MAY 26 2020  
Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

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File No(s): 22382.

DWR office: GC

App filed to change: PD.

Is Landowner(s) correct in WRIS: Deborah Buchanan & Mark Miller.

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) 01 being changed.

	ft. North	ft. West			
Authorized PD	4060	2440	Sect 19-30-28		
Proposed PD	2815	2553			
Difference	1245 s	-113 w			
$a^2 + b^2 = c^2$	1550025	12769	1250.118 foot move SW		

GPS for proposed PD: Lat: 37.424029 Long: -100.424775.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified:    .

Name Brent L & Joan K Koehn (28405).

Address 4020 13<sup>th</sup> RD.

Zip Montezuma, KS 67867.

Name Jay Alan Inc, % Jay A Borth (30268 +).

Address 10209 L Rd.

Zip Plains, KS 67869.

Domestic well(s) notified:    .

Name Jolene Koehn.

Address 4125 14 RD.

Zip Meade, KS 67864.

Name    .

Address    .

Zip    .

Name    .

Address    .

Zip    .

Base Acres:    .

Perfected Acres:    .

Irr. Return-Flow    %

RECEIVED  
2020  
Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

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Is a waiver needed: Distance move less than half mile. Minimum spacing is more than met. Analysis shows very little impact, well below the threshold allowed, no critical wells.

Recommendation: After review of all available information, it appears current area rules are met. Analysis shows minimal effect to neighboring wells. Staff recommends approval of the application.

JN

RECEIVED

MAY 26 2020

Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

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File No(s): 22382.

DWR office: GC

App filed to change: PD.

Is Landowner(s) correct in WRIS: Deborah Buchanan & Mark Miller.

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) 01 being changed.

	ft. North	ft. West	
Authorized PD	4060	2440	Sect 19-30-28
Proposed PD	2815	2553	
Difference	1245 s	-113 w	
a2 + b2 = c2	1550025	12769	1250.118 foot move SW

GPS for proposed PD: Lat: 37.424029 Long: -100.424775.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

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

Name Brent L & Joan K Koehn (28405).

Address 4020 13<sup>th</sup> RD.

Zip Montezuma, KS 67867.

Name Jay Alan Inc, % Jay A Borth (30268 +).

Address 10209 L Rd .

Zip Plains, KS 67869 .

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

Name Jolene Koehn .

Address 4125 14 RD.

Zip Meade, KS 67864 .

Name .

Address .

Zip .

Name .

Address .

Zip .

Base Acres: \_\_\_.

Perfected Acres: \_\_\_.

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



## GMD3 Change Review

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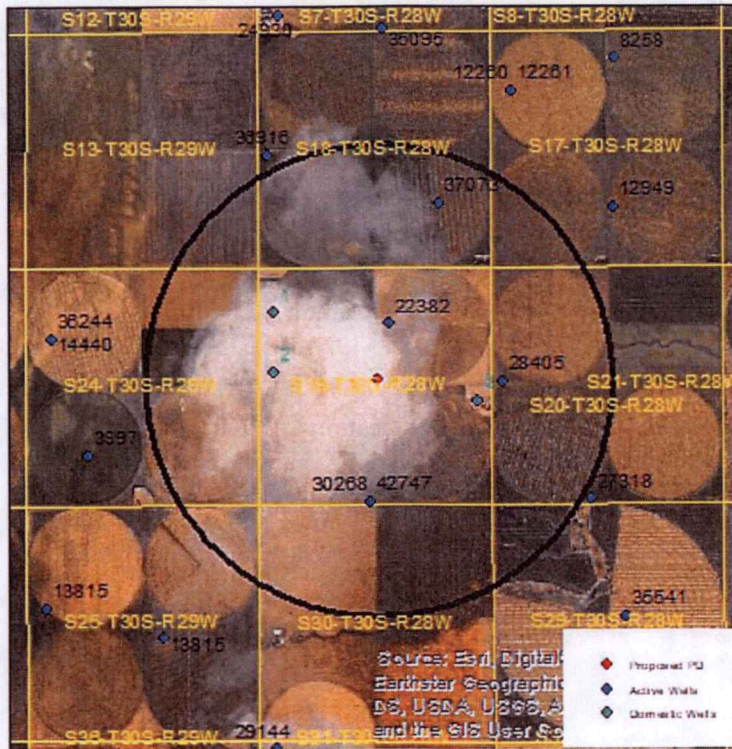
Is a waiver needed: Distance move less than half mile. Minimum spacing is more than met.

Recommendation:    

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Division of Water Resources

**Evaluation of proposed move for Water Right No 22382**

Proposed: Move water right no. 22382 a distance of 1,260 ft to the southwest.



Wells within 1 mile: 30268 & 42747, 28405, 37073, and three domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 271 ft, based upon an observation well in section 17-30-28 and the driller's log at the proposed well location. 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:

$S = 0.08785$ ,  $T = 9,397.1 \text{ ft}^2/\text{day}$ ,  $t_{p\text{current}} = 74 \text{ days}$  (based upon average use and observed rate),  
 $Q_{\text{current}} = 385 \text{ gpm}$  (based upon 2019 field inspection),  $t_{p\text{proposed}} = 56 \text{ days}$ ,  $Q_{\text{proposed}} = 700 \text{ gpm}$

Theis drawdowns were calculated as follows:

30268 & 42747: Drawdown from current location = 0.93 ft  
 Drawdown from proposed location = 1.77 ft  
 Net drawdown = 0.8 ft

28405: Drawdown from current location = 1.18 ft  
 Drawdown from proposed location = 1.74 ft  
 Net drawdown = 0.6 ft

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 DIVISION OF WATER RESOURCES

37073: Drawdown from current location = 1.16 ft  
Drawdown from proposed location = 1.25 ft  
Net drawdown = **0.1 ft**

Domestic 1: Drawdown from current location = 1.28 ft  
Drawdown from proposed location = 1.75 ft  
Net drawdown = **0.5 ft**

Domestic 2: Drawdown from current location = 1.21 ft  
Drawdown from proposed location = 2.01 ft  
Net drawdown = **0.8 ft**

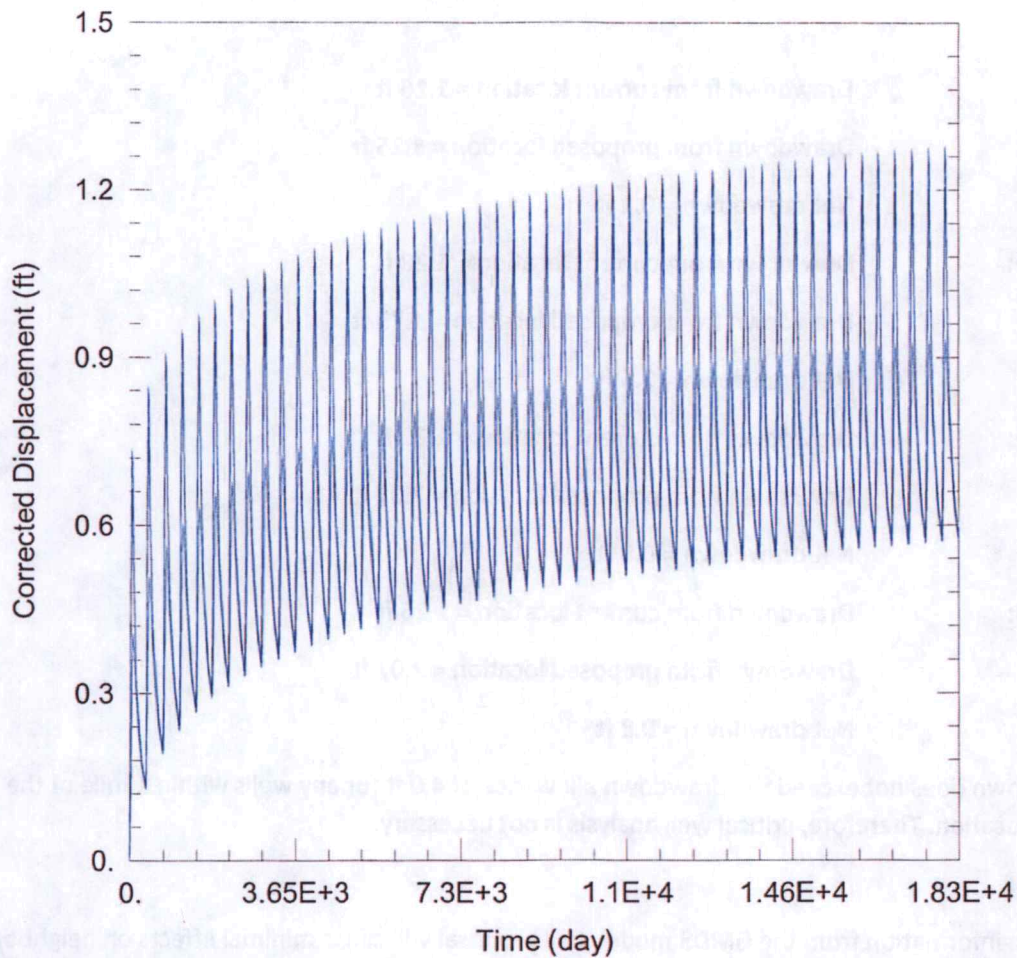
Domestic 3: Drawdown from current location = 1.26 ft  
Drawdown from proposed location = 2.07 ft  
Net drawdown = **0.8 ft**

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

**Conclusion:**

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

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Division of Water Resources



**WELL TEST ANALYSIS**

Data Set: C:\Users\trevora\Documents\2020\_moves\22382\22382 Current.aqt  
 Date: 05/18/20 Time: 13:55:36

**PROJECT INFORMATION**

Company: GMD 3  
 Project: 22382  
 Location: Meade County  
 Test Well: 22382

**WELL DATA**

**Pumping Wells**

Well Name	X (ft)	Y (ft)
22382	109035	201357

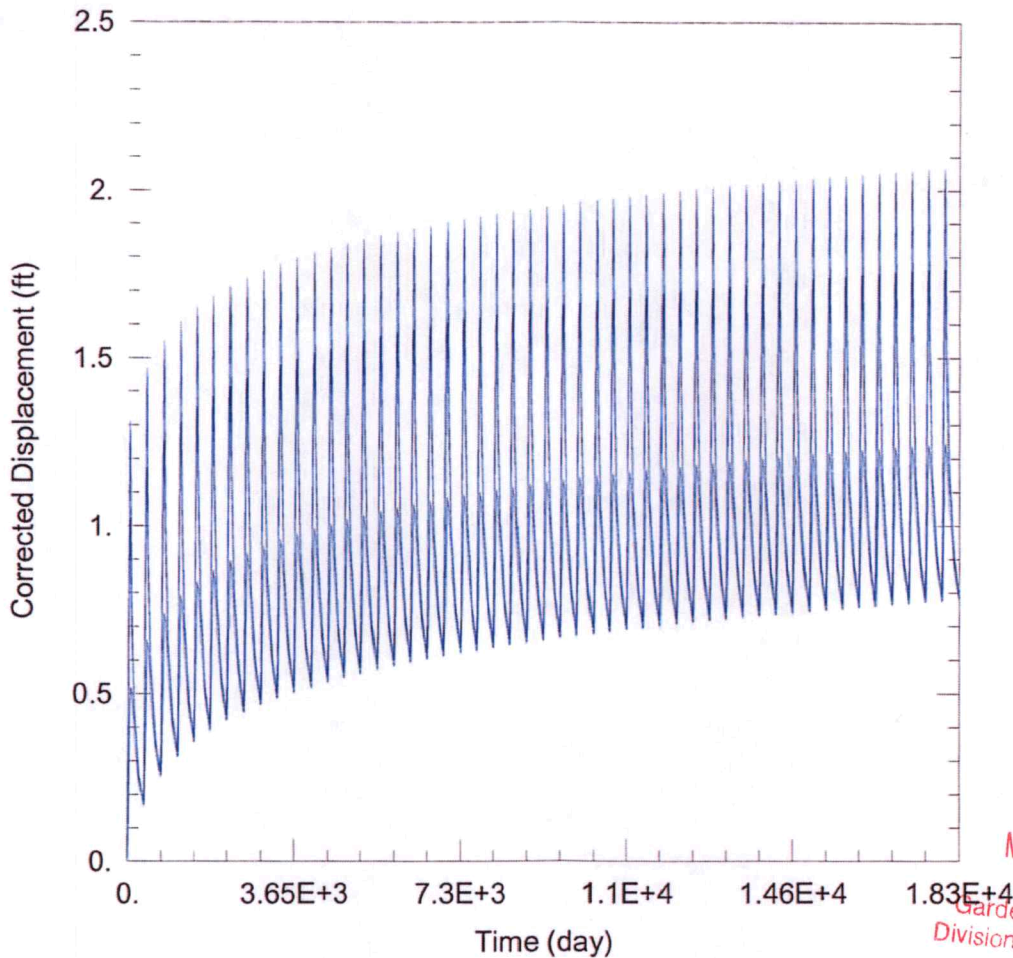
**Observation Wells**

Well Name	X (ft)	Y (ft)
□	109035	201357
□ 30268 & 42747	108592	197394
□ 28405	111599	200067
□ 37073	110154	204083
□ Domestic 1	106455	201619
□ Domestic 2	106454	200295
□ Domestic 3	111044	199642

**SOLUTION**

Aquifer Model: Unconfined  
 $T = 9397.1 \text{ ft}^2/\text{day}$   
 $Kz/Kr = 1.$

Solution Method: Theis  
 $S = 0.08785$   
 $b = 271. \text{ ft}$



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MAY 26 2020

Garden City Field Office  
Division of Water Resources

WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020\_moves\22382\22382 Proposed.aqt

Date: 05/18/20

Time: 13:55:31

PROJECT INFORMATION

Company: GMD 3

Project: 22382

Location: Meade County

Test Well: 22382

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
22382	108804	200119

Observation Wells

Well Name	X (ft)	Y (ft)
□	108804	200119
□ 30268 & 42747	108592	197394
□ 28405	111599	200067
□ 37073	110154	204083
□ Domestic 1	106455	201619
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□ Domestic 3	111044	199642

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 9397.1 ft<sup>2</sup>/day

S = 0.08785

Kz/Kr = 1.

b = 271. ft

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

May 15, 2020

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

Re: Water Right, File No. 22382

Dear Mr. Norquest:

This is to advise you that Deborah Buchanan and Mark Miller, have filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file. The application is proposing a to move the current authorize point of diversion that meets regulations. Please note that I did get a verbal comment from a Dale Koehn on todays date that he has no objection to this proposal.

We are delaying action on the change application 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, appearing to read "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures

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



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

Mike Beam, Secretary

Laura Kelly, Governor

May 7, 2020

JOLENE KOEHN  
302 E PARK AVE  
MONTEZUMA KS 67877

RE: Water Right, File No. 22382

Dear Sir or Madam:

This is to advise you that Mark Miller has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced application. An irrigation well is proposed to be relocated to the Southwest Quarter of the Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ ) of Section 19, Township 30 South, Range 28 West, Meade County.

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

You are notified on this proposed point of diversion (well) so that you may furnish this office with any comments or other information you 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 contact this office. If you would prefer, you could arrange an appointment for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.

Sincerely,

*Austin J. McColloch*  
Austin J. McColloch  
Assistant Water Commissioner

By: *Michael Meyer*

AM:  
enclosures

pc:  
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED

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



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Mike Beam, Secretary

Laura Kelly, Governor

May 7, 2020

DALE KOEHN  
4020 13 RD  
MONTEZUMA KS 67867

RE: Water Right, File No. 22382

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Sincerely,

  
Austin J. McColloch  
Assistant Water Commissioner

AM:  
enclosures

pc:  
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED