

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

1. File Number: 36916	2. Status Change Date:	3. Change Num: C1	4. Field Office: 04	5. GMD: 03
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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: 10/6/2020
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8a. LANDOWNER, applicant
 New to system

Person ID **9665**
 Add Seq# **1**

DALE & VERDA KOEHN TRUST
302 E PARKS
MONTEZUMA, KS 67867

8c. Correspondent
 New to system

Person ID **40120**
 Add Seq# _____

BRENT L & JOAN K KOEHN
4020 13TH RD
MONTEZUMA, KS 67867

8b. Landowner(s),
 New to system

Person ID _____
 Add Seq# _____

8d. correspondent
 New to system

Person ID _____
 Add Seq# _____

9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/2021** N & P Date to Comply: **3/1/2022**

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: **10/20/2020** By: **MAM**
 Date Entered: _____ By: _____

File No. **36916** 11. County: **ME** Basin: **Crooked Creek** Stream: Formation Code: **211** Special Use:

12. Points of Diversion Rate and Quantity
CHK Authorized Additional
MOD Rate Quantity
DEL gpm af
ENT af gpm af Overlap PD Files

PDIV Qualifier S T R ID 'N 'W **Comment (AKA Line)**

DEL 1727

ENT **LOT 4 (SWSW)** **18 30 28W** **52 5163** **1740 500** **1740 500** **NONE**

13. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

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

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

16. Place of Use CHK MOD DEL ENT	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				
CHK 3940																				
CHK 18388																				
CHK 38453																				

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

October 21, 2020

DALE & VERDA KOEHN TRUST
302 E PARKS
MONTEZUMA, KS 67867

RE: Water Right, File No. 36916

Dear Sir or Madam:

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 number.

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.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc: Brent & Joan Koehn
GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

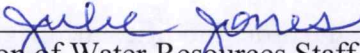
On this 21st day of October, 2020, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 36,916 dated 21st day of October, 2020 was mailed postage prepaid, first class, US mail to the following:

DALE & VERDA KOEHN TRUST
302 E PARKS
MONTEZUMA, KS 67867

Pc:

BRENT L & JOAN K KOEHN
4020 13TH RD
MONTEZUMA, KS 67867

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. 36916 _____

RECEIVED
 8:01 Am
OCT 06 2020

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: DALE & VERDA KOEHN TRUST _____

4020 ROAD 13, MONTEZUMA, KS 67867

Phone Number: _____ Email address: _____

Name and address of Water Use Correspondent: BRENT L & JOAN K KOEHN _____

Phone Number: (620)846-0026 (CELL) _____ 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 10-6-20 Check # 10668

5. **Presently authorized point of diversion:**
 One in the _____ Quarter of the NW Quarter of the LOT 3 SW (NWSW) Quarter of Section 18, Township 30 South, Range 28 (W), in Meade County, Kansas, 2590 feet North 5230 feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well ≈ 425 (feet)
 (DWR use only: Computer ID No. 02 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 LOT 4 (SW SW) Quarter of Section 18, Township 30 South, Range 28 (W), in Meade County, Kansas, 52 feet North 5163 feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) 558.
 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?

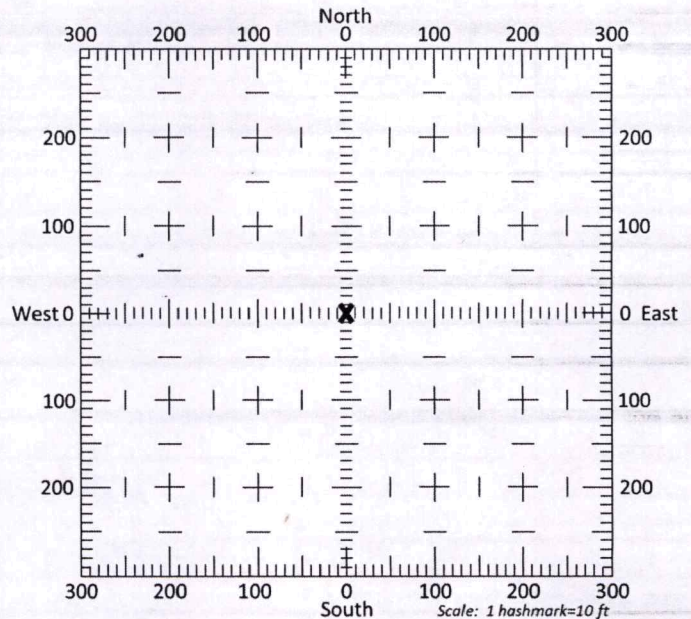
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by Alex Torrance

13. 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 GARDEN CITY, Kansas, this 5 day of OCTOBER, 2020.

[Signature] POA

 (Owner)

X Joan Koehn

 (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 5TH day of OCT, 2020.

My Commission Expires 9-14-20  [Signature]
 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

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, et seq. and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 36916.

- 1. A change application was received on October 6, 2020 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
- 2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
- 3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
- 4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
- 5. The point(s) of diversion authorized herein shall not actually be located more than _____ feet from the previously authorized point(s) of diversion. Applicable Not Applicable
- 6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
- 7. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2021**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
- 8. **Installation of the works for diversion of water shall be completed on or before December 31, 2021**, or within any authorized extension of time. By March 1, 2022 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
- 9. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
- 10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
- 11. Additional Conditions are attached. Yes No
- 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

For Use by Register of Deeds

FOR OFFICE USE ONLY
**APPLICATION APPROVED AND
 SUMMARY ORDER ISSUED**

By: Austin McColloch
 Duly Authorized Designee of the Chief Engineer

(Print Name): Austin McColloch
 Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: October 21, 2020

State of Kansas)
) SS

County of Finney)

Acknowledged before me on October 21, 2020

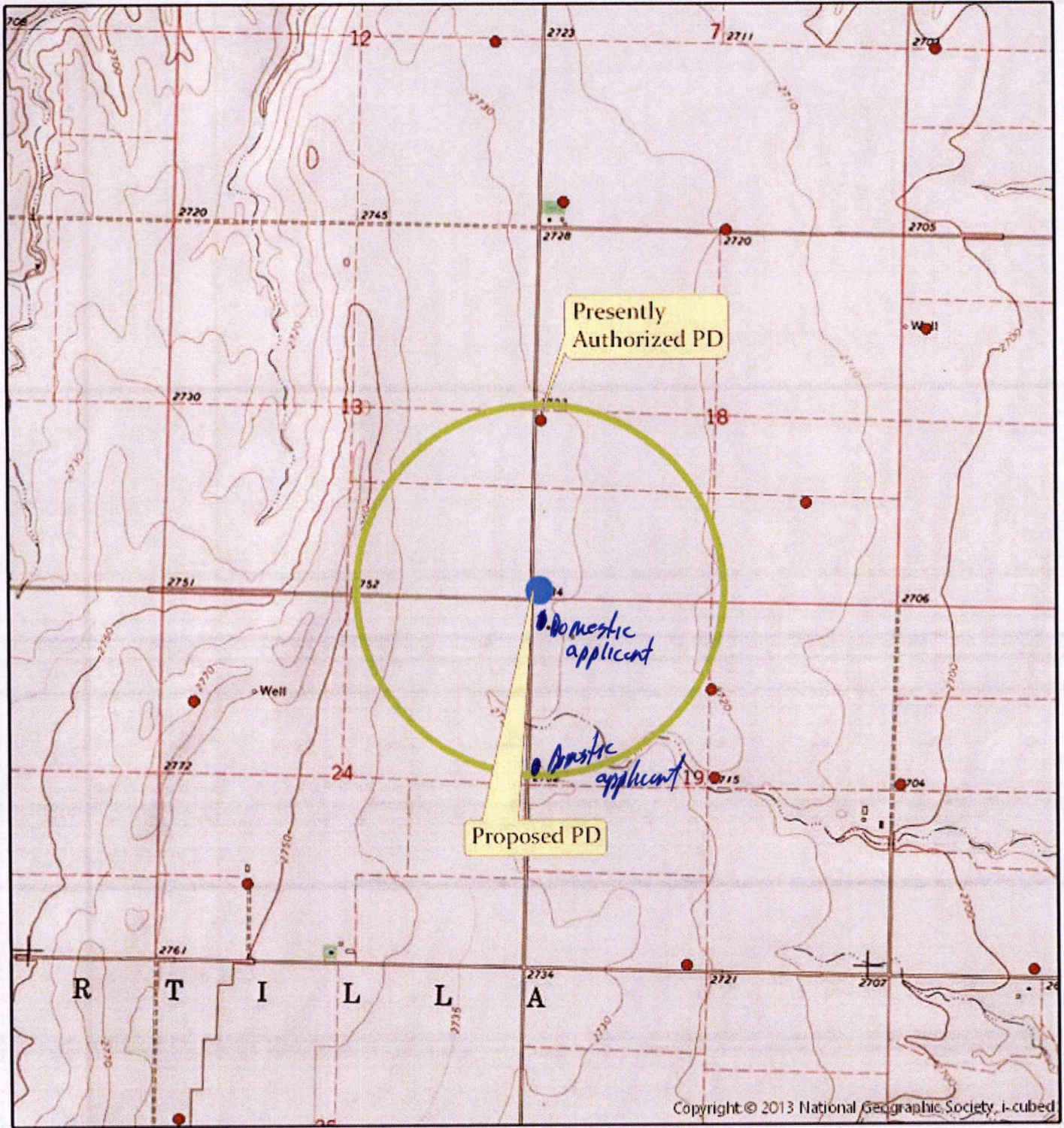
by Austin McColloch

Signature: Julie Jones

My commission expires:

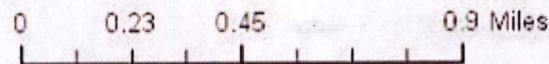


CHANGE IN POINT OF DIVERSION FILE NO. 36916



Township 30 South Range 28 West
Meade County

All wells of any kind within a half mile of
the proposed point of diversion are shown:



● POINT OF DIVERSION



10/1/2020

Created By: AT/GCFO

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



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

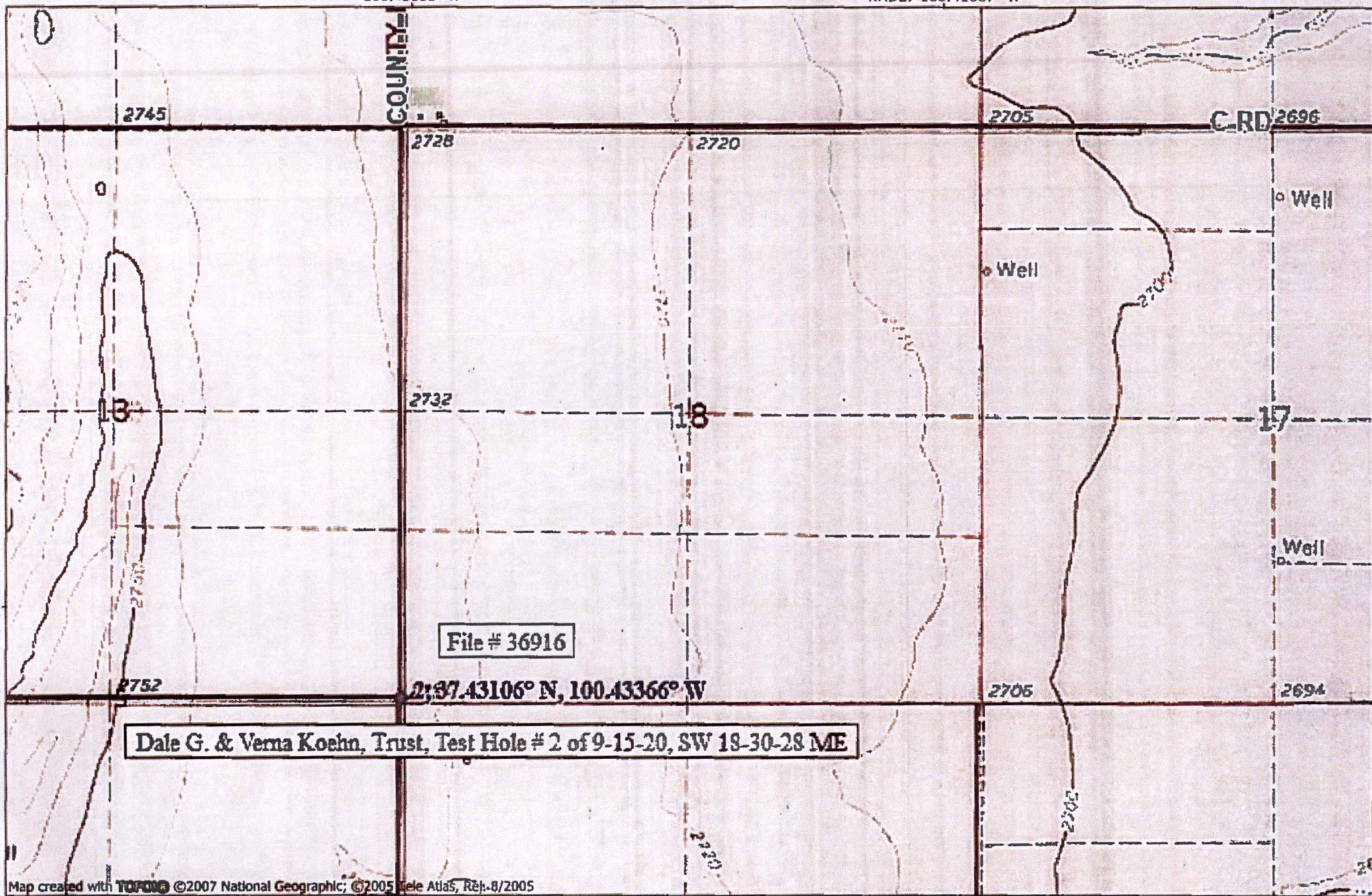
BRENT KOEHN 620-846-0026

Customer Name: Dale G. + Verda Koehn, Trust WO#: 20855 Date: 9-15-20
 Street Address: 4080 ROAD 13 Test #: 2 E LOG: Yes
 City, State: MONTEZUMA, KS. 67867 Driller: Dale Guinn
 County: Meade Quarter: SW Section: 18 Township: 30 Range: 28
 Location: GPS: N37.43106 W100.43366
 Rig #: 10002 Elevation: 2720' Static WL: 253' Estimated?
 Proposed Well Depth 558
 WELC LOCATION 20' Sump

%	Footage			Description of Strata
	From	Pay	To	
	0		2	Top Soil
	2		33	Brown Sandy Clay
	33		45	Fine Med Sand w/Clay Mixed
	45		53	Brown Clay w/Some Caliche + Lime Rock Mixed
	53		63	Fine Med Sand
	63		72	Fine Med Course Sand Small Couple Med Gravel
	72		103	Brown Sandy Clay
	103		117	Fine Med Course Sand Small Gravel w/Couple Clay Layers
	117		196	Fine Med Course Sand Small Med Few Large Gravel
	196		200	Light Blue + Yellow Clay
	200		209	Fine Med Course Sand
	209		217	Brown Sandy Clay w/Couple Sand Strips
	217		238	Fine Med Course Sand Small Gravel w/Couple Clay Layers
	238		253	Blue Clay
25	253	27	280	Fine Med Course Sand Small Gravel w/Couple Clay Stringers
	280		300	Brown Sandy Clay
10	300	23	323	Fine Med Course Sand + Brown Clay Mixed
20	323	24	347	Fine Med Course Sand Some Small Gravel w/Few Clay Stringers
15	347	21	368	Fine Med Course Sand Small Gravel w/Some Clay Layers
	368		373	Brown Sandy Clay
25	373	5	378	Fine Med Course Sand Small Gravel
5	378	11	389	Brown Sandy Clay + Sand Mixed
15	389	8	397	Fine Med Course Sand Some Small Gravel
5	397	27	424	Brown Sandy Clay w/Many Fine Med Sand Strips
25	424	13	437	Fine Med Course Sand Small Gravel
5	437	23	460	Brown Sandy Clay w/Lime Rock Strips + Fine Sand Mixed
	460		493	Brown Sandy Clay
15	493	27	520	Fine Sand w/Little Brown Rock Mixed + Few Thin Clay Stringers
35	520	18	538	Fine Med Course Sand w/Brown Rock
	538		620	Blue Shale
	620		629	Gray Shale
	629		640	Red Bed
				Super Gel X -3
				Grout -5
				Hole Plug -6
				Perma Plug -1

100.43333° W

NAD27 100.41667° W



37.43333° N

37.43333° N

Dale G. & Verna Koehn, Trust, Test Hole # 2 of 9-15-20, SW 19-30-28 ME

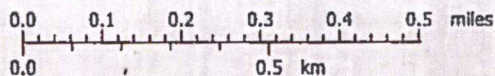
File # 36916

37.43106° N, 100.43366° W

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

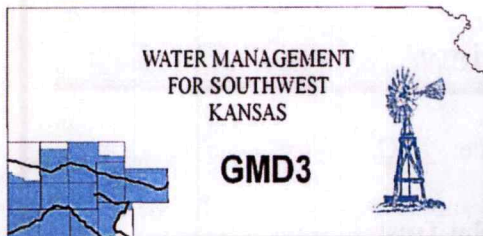
100.43333° W

NAD27 100.41667° W



TN # MN
5°

09/16/20



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

October 21, 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. 36916

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 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. 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,

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

Jason L. Norquest
Assistant Manager

GMD3 Change Review

File No(s): 36916. DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Dale & Verda Koehn Trust.

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) 02 being changed.

	ft. North	ft. West	
Authorized PD	2590	5230	Sect 18-30-28
Proposed PD	52	5163	
Difference	2538 s	67 e	
$a^2 + b^2 = c^2$	6441444	4489	2538.884 foot move SE

GPS for proposed PD: Lat: 37.43106 Long: -100.43366.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: .

Name Stapleton Farms Inc %Ryan Stapleton (14440 & 36244).

Address PO Box 655.

Zip Meade, KS 67864.

Email: stapletonfarmsinc@gmail.com. Phone: 620-629-1828.

Name Deborah Buchanan & Mark A Miller (22382) Gary Harshberger tenant.

Address 239 Main St.

Zip Fortmill, SC 29715.

Email: gary@he.kscoxmail.com. Phone: 620-338-0888.

Domestic well(s) notified: Appears all domestics within mile are applicants.

Name .

Address .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Authorized 500AF @ 1740gpm.

10 year average reported use: 373.4AF

2019 GMD3 inspection timed the meter at 670gpm.

GMD3 Change Review

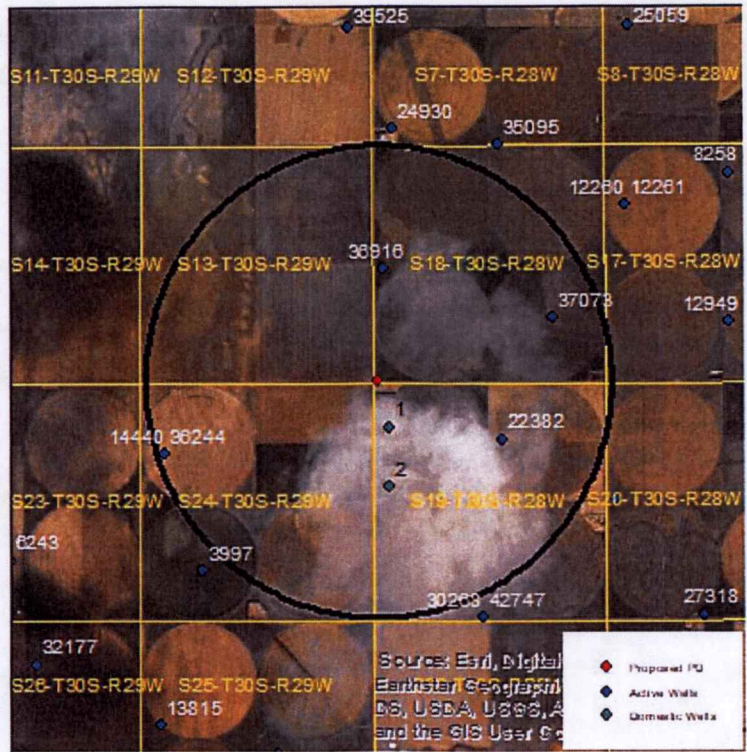
Is a waiver needed: Proposed move is less than half mile and minimum spacing to neighboring wells appears met. Analysis shows effects in the area within our guidelines an no wells considered critical.

Recommendation: After review of all available information, it appears current area rules are met and within analysis range. Staff therefore recommends approval of the application.



Evaluation of proposed move for Water Right No 36916

Proposed: Move water right no. 36916 a distance of 2,504 ft to the south.



Wells within 1 mile: 37073, 22382, 14440 & 36244, and 2 domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 249 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:

$S = 0.2028$, $T = 19,010 \text{ ft}^2/\text{day}$, $t_{p\text{current}} = 126 \text{ days}$ (based upon average use and observed rate),
 $Q_{\text{current}} = 670 \text{ gpm}$ (based upon 2019 field inspection), $t_{p\text{proposed}} = 65 \text{ days}$, $Q_{\text{proposed}} = 1740 \text{ gpm}$

This drawdowns were calculated as follows:

- 37073:** Drawdown from current location = 1.23 ft
 Drawdown from proposed location = 1.67 ft
 Net drawdown = **0.4 ft**
- 22382:** Drawdown from current location = 1.11 ft
 Drawdown from proposed location = 2.14 ft
 Net drawdown = **1.0 ft**

14440 & 36244: Drawdown from current location = 0.91 ft
Drawdown from proposed location = 1.46 ft
Net drawdown = 0.5 ft

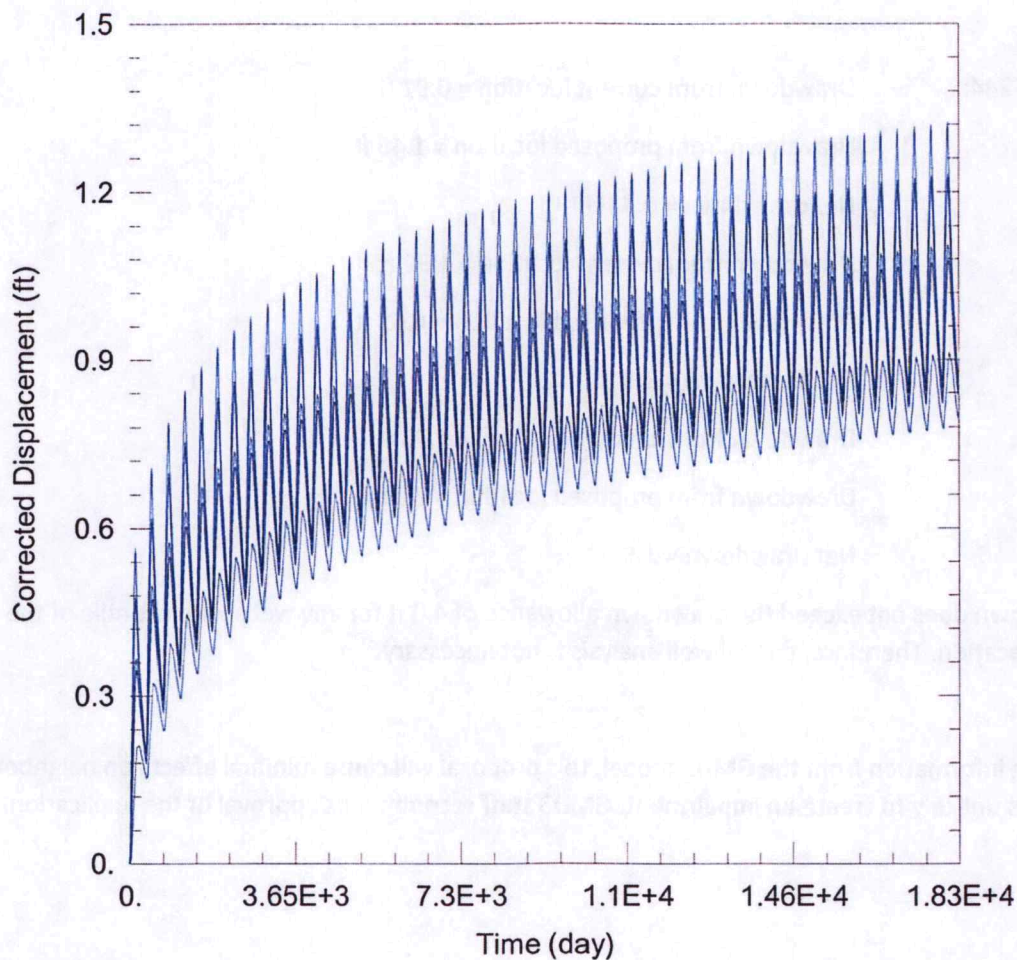
Domestic 1: Drawdown from current location = 1.32 ft
Drawdown from proposed location = 4.61 ft
Net drawdown = 3.3 ft

Domestic 2: Drawdown from current location = 1.08 ft
Drawdown from proposed location = 2.61 ft
Net drawdown = 1.5 ft

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

Conclusion:

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



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\36916\36916 Current.aqt
 Date: 10/12/20 Time: 14:53:13

PROJECT INFORMATION

Company: GMD 3
 Project: 36916
 Location: Meade County
 Test Well: 36916

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
36916	106308	205171

Observation Wells

Well Name	X (ft)	Y (ft)
□	106308	205171
□ 37073	110154	204083
□ 22382	109035	201357
□ 14440 & 36244	101388	201033
□ Domestic 1	106455	201619
□ Domestic 2	106454	200295

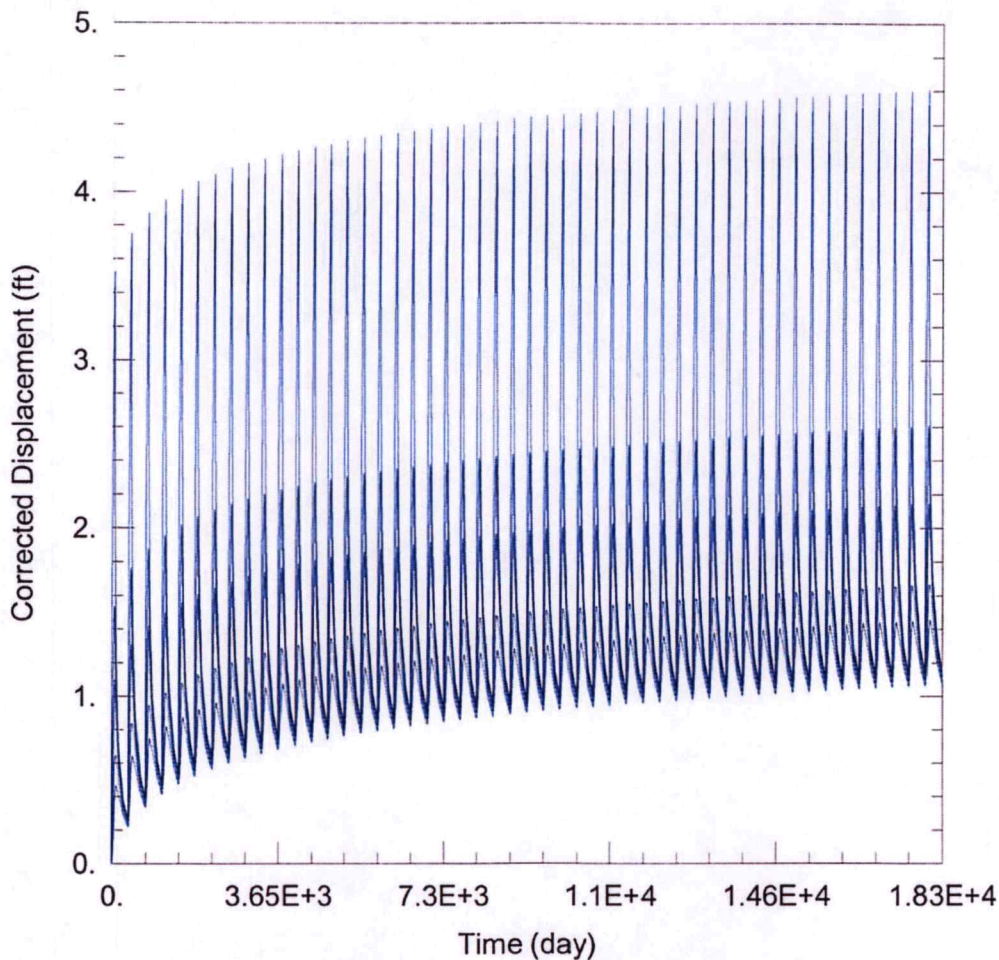
SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 1.901E+4 ft²/day
 Kz/Kr = 1.

S = 0.2028
 b = 249. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2020_moves\36916\36916 Proposed.aqt
 Date: 10/12/20 Time: 14:53:06

PROJECT INFORMATION

Company: GMD 3
 Project: 36916
 Location: Meade County
 Test Well: 36916

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
36916	106214	202669

Observation Wells

Well Name	X (ft)	Y (ft)
□	106214	202669
□ 37073	110154	204083
□ 22382	109035	201357
□ 14440 & 36244	101388	201033
□ Domestic 1	106455	201619
□ Domestic 2	106454	200295

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 1.901E+4 ft²/day

S = 0.2028

Kz/Kr = 1.

b = 249. ft

Meyer, Mike [KDA]

From: Meyer, Mike [KDA]
Sent: Wednesday, October 7, 2020 7:35 AM
To: 'Norquest, Jason (Norquest@gmd3.org)'
Subject: Request for recommendation, File No. 36916
Attachments: 20201007072131413.pdf

good morning

attached is an application to change the point of diversion. the application appears to be in proper form and meets the regulations. please review and provide a recommendation within 15 days.

thank you

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

Mike Beam, Secretary

Laura Kelly, Governor

October 7, 2020

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

Re: Water Right, File No. 36916

Dear Mr. Norquest:

This is to advise you that Dale & Verde Koehn Trust, has 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.

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, appearing to read "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM
Enclosures