

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

1. File Number: 9217	2. Status Change Date:	3. Change Num: C1	4. Field Office: 4	5. GMD: 3
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: 6/3/2022
8a. Applicant(s) New to system <input type="checkbox"/> J & L SMITH FARMS INC Attn: BRYAN SMITH 9170 E ROAD 2 ULYSSES, KS 67880-8151		Person ID 55420 Add Seq# _____		
8b. Landowner(s) New to system <input type="checkbox"/> 8a		Person ID _____ Add Seq# _____		
8c. Landowner(s) New to system <input type="checkbox"/>		Person ID _____ Add Seq# _____		
8d. WUC New to system <input type="checkbox"/> 8a		Person ID _____ Add Seq# _____		
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/2022 <input checked="" type="checkbox"/> N & P Date to Comply: 3/1/2022				
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> H & E Letter <input type="checkbox"/> Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____				
10. Use Made of Water From: _____ To: _____				
Date Prepared: 6/22/2022 By: AM Date Entered: _____ By: _____				

File No. **9217** 11. County: **GT** Basin: **ARKANSAS RIVER** Stream: Formation Code: **211/331** Special Use:

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

DEL 35647
ENT NW NW SE 24 27S 36W 2476 2563 1620 640 1620 640 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 PUSE S T R ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
CHK 28389																				

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

June 22, 2022

J & L SMITH FARMS INC
Attn: BRYAN SMITH
9170 E ROAD 2
ULYSSES, KS 67880-8151

RE: Filed Office Application for Change
Water Right, File No. 9217

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.

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 "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc: GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 22nd day of June, 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 9,217 dated 22nd day of June, 2022 was mailed postage prepaid, first class, US mail to the following:

J & L SMITH FARMS INC
Attn: BRYAN SMITH
9170 E ROAD 2
ULYSSES, KS 67880-8151

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. 9217

RECEIVED
 1:40 pm
 JUN 03 2022

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: J AND L SMITH Farms, Inc

Phone Number: (620) 353 4018 Email address: vortex@pld.com

Name and address of Water Use Correspondent: SAME

Phone Number: () Email address: _____

3. The presently authorized place of use is:

Owner of Land --- NAME: _____

ADDRESS: _____

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

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

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

Owner of Land --- NAME: _____

ADDRESS: _____

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

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

For Office Use Only: Code _____ Fee \$ 200.00 TR # _____ Receipt Date 6-3-22 Check # 004666

5. **Presently authorized point of diversion:**
 One in the NW Quarter of the SE Quarter of the SE Quarter of Section 24, Township 27 South, Range 36 (W), in GRANT 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. 01 GPS 849 feet North 951 feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the NW Quarter of the NW Quarter of the SE Quarter of Section 24, Township 27 South, Range 36 (W), in GRANT County, Kansas, 2476 feet North 2563 feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

6. ~~**Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (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

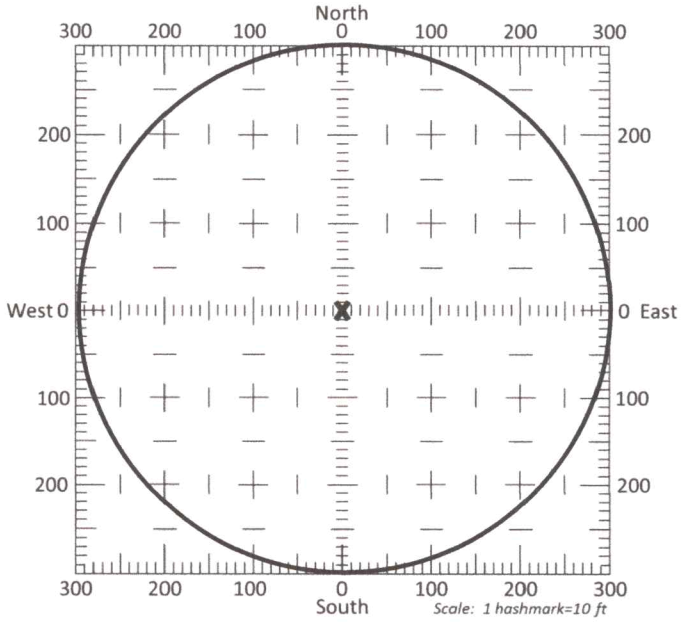
9. The change(s) (was)(will be) completed by?

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? _____

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 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.)**

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. 9217.

1. A change application was received on June 3, 2022 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 2640 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, 2022**, 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, 2022**, or within any authorized extension of time. By March 1, 2023 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

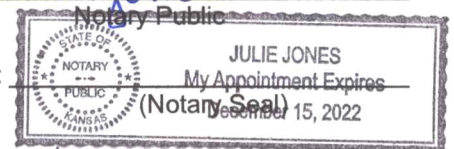
Date of Issuance: June 22, 2022

State of Kansas)
County of Stinson) SS

Acknowledged before me on June 22, 2022
by Austin McColloch

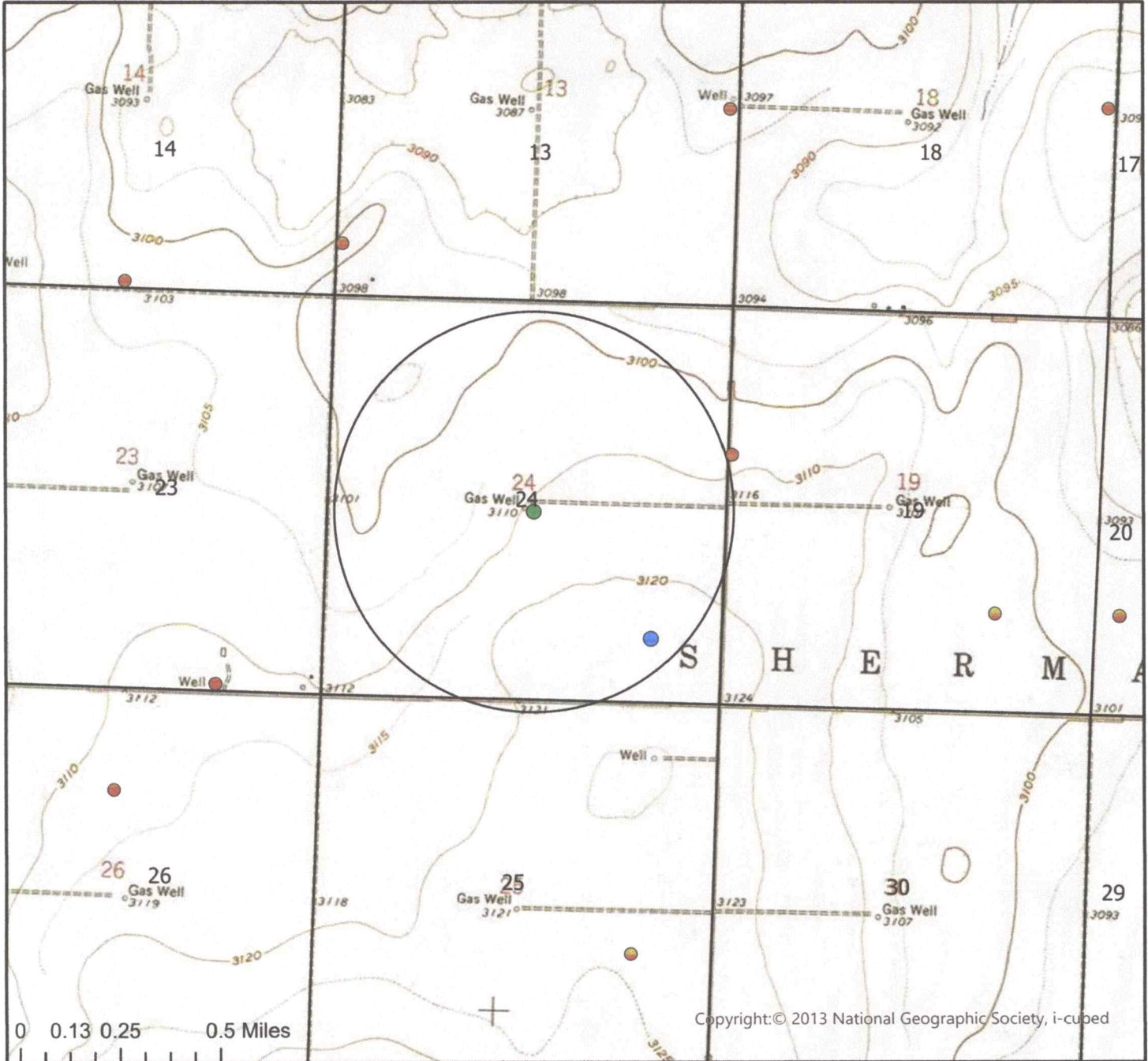
Signature: Julie Jones






My commission expires: _____
(Notary Seal)



CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 9217

SE 1/4 of Section 24 Township 27 South Range 36 West Grant County



	Authorized Point of Diversion
	Proposed Point of Diversion
	Permitted Water Right
	Domestic Well within 1/2 mile
	1/2 mile buffer

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



By signing below I agree that all wells, including domestic, and owners names and addresses within 1/2 mile of the proposed point of diversion have been shown on the map

(Signature)

Date

Date AM/GCFO
1:24,000 Scale

QG - 36

WATER LOADS - 8

SA - 3

BRAN - 11

EZ MUD - 1/2

HOLE PLUG - 2

CS - 1

PDC @ 480'



STATE OF KANSAS, GRANT COUNTY

This instrument was filed for record on May 12, 2022 3:35 PM
and duly recorded in DD Book 92, Page 56-57

Fees: \$38.00 Instrument# 202200455

Reception *DM*
Numerical *BC*
Direct *BC*
Indirect *BC*
Stamped *BC*
Computer *BC*
Orig. Comp. *BC*

Dana Y. McDaniel

Dana Y. McDaniel

Register of Deeds



TRUSTEE'S WARRANTY DEED

File No. 22-0282

THIS INDENTURE, made this 6 day of May, 2022, by and between,

Chris Unruh, Trustee for Windy Acres Farm Trust, as GRANTOR,

and

J & L Smith Farms, Inc., as GRANTEE;

WITNESSETH: THAT SAID GRANTOR, in consideration of the sum of Ten Dollars and other good and valuable consideration, the receipt and sufficiency which is hereby acknowledged by GRANTOR, does hereby **grant, bargain and sell, convey and confirm**, unto the said GRANTEE, and unto Grantee's heirs and assigns forever, the following described real property situated in the **County of Grant, State of Kansas** to-wit:

**Surface and water rights only, in and to:
The East Half (E/2) of Section Twenty-four (24), Township Twenty-seven (27) South, Range Thirty-six (36) West of the Sixth Principal Meridian, Grant County, Kansas.**

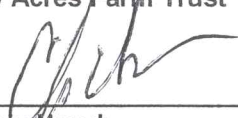
Subject to all easements, restrictions and reservations, if any, now of record, and all the taxes and assessments that may be levied, imposed or become payable hereafter.

This Deed is made and given by the GRANTOR as Trustee(s) pursuant to the power of sale contained in the aforesaid Trust agreement, which Agreement remains in full force and effect at this time. And the GRANTOR further states that the power to sell and convey the real estate described hereinabove is granted under said Trust Agreement.

TO HAVE AND TO HOLD, the premises aforesaid, with all and singular the rights, privileges, appurtenances and immunities thereto belonging or in anywise appertaining, unto the said GRANTEE and unto Grantee's heirs and assigns forever, the said GRANTOR hereby covenanting that it is lawfully seized of an indefeasible estate in fee in the premises herein conveyed; that it has good right to convey the same; that the said premises are free and clear from any encumbrance done or suffered by it or those under whom it claims; except as stated above and except for all taxes and assessments, general and special, not now due and payable; and that it will warrant and defend the title of the said premises unto the said GRANTEE, and unto Grantee's heirs and assigns forever, against the lawful claims and demands of all persons whomsoever.

If two or more persons constitute either GRANTOR or GRANTEE, the words GRANTOR and GRANTEE shall be construed to read GRANTORS or GRANTEES, whenever the sense of this Deed requires.

Windy Acres Farm Trust

BY: 
Chris Unruh
Trustee

State of Idaho

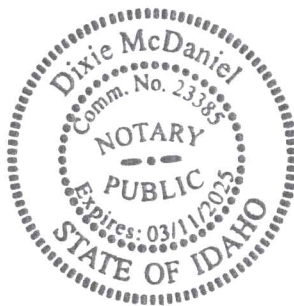
County of Owyhee

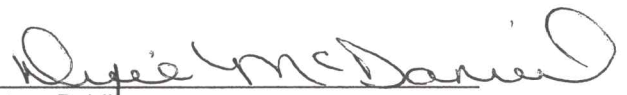
On this 6th day of May, 2022, before me, the undersigned, appeared **Chris Unruh, Trustee for Windy Acres Farm Trust**, to me known to be the person(s) described in and who executed the foregoing instrument, and acknowledged that he/she/they executed the same as his/her/their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal in said County and State, the day and year last above written.

My commission expires: 3/11/25

(Seal)




Notary Public

Printed Name: Dixie McDaniel

When recorded return to:
Frazee Abstract & Title, Inc.
206 E Grant Ave.
Ulysses, KS 67880

Entered in transfer record in my office on
May 12, 2022


Sheila Brown Grant County Clerk

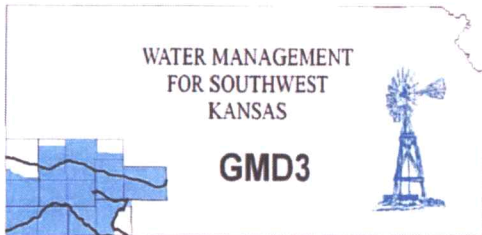
A. McColloch
6/22/2022

This analysis of change in point of diversion, File No. 9,217

A This analysis was used to evaluate the potential impacts of a change in point of diversion. The application proposes moving the point of diversion authorized by File No. 9,217 approximately 2,276 feet northwest. The 2068 projected saturated thickness (106 feet) from the GMD No. 3 groundwater model was used and transmissivity (9,286 ft²/day) from an aquifer test in nearby Section 15-27S-36W. The specific storage was assumed to be 10⁻⁵, which results in a storage coefficient of 0.00014. Pumping the proposed rate and quantity at the new location was compared to pumping the ten-year average use (242 acre-feet) at the last reported rate (372 gallons per minute). Drawdowns were evaluated at the point of diversion authorized by File No. 21,850. With these assumptions, the drawdown at File No. 21,850 increases by 16.8 feet, or 15.9% of the projected future saturated thickness (Table 1).

Table 1: This analysis of drawdown at File No. 21,850; T = 9286 ft²/day; S = 0.00014

Scenario	Distance (Feet)	Quantity (Acre-Feet)	Rate (GPM)	Drawdown (Feet)	Drawdown (%ST)
Proposed	2725	640	1620	22.8	21.5%
Current	2648	242	372	6.0	5.6%
			Net:	16.8	15.9%



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

June 16, 2022

Austin McColloch
Division of Water Resources
4532 W Jones Ave., Suite B
Garden City, Kansas 67846

RECEIVED

JUN 16 2022

Garden City Field Office
Division of Water Resources

RE: Application for Change in Point of Diversion
Water Right, File No. 9217

Dear Austin:

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 minimum spacing to neighboring wells and distance moved.

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 management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (3.5 ft with saturated thickness is between 150-200ft), 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 all of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. One of the wells was determined to be critical, if the proposed well is pumped at maximum authority. The neighboring well in question appears to be part of the same operation as the applicant. We did not receive any comments from neighboring well owners. Therefore, GMD3 sees this move as meeting current area rules and would recommend approval. 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

GMD3 Change Review

File No(s): 9217. DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: J&L Smith Farms Inc.

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	849	951	Sect 24-27-36
Proposed PD	2476	2563	
Difference	-1627 n	-1612 w	
$a^2 + b^2 = c^2$	2647129	2598544	2290.343 foot move NW

GPS for proposed PD: Lat: 37.684861 Long: -101.207639.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: .

Name Michael T Long (8060).

Address 701 N Joyce St.

Zip Ulysses, KS 67880.

Email: . Phone: .

Name Jeffrey Schoonover (21912).

Address 5414 E Road 11.

Zip Ulysses, KS 67880.

Email: . Phone: .

Domestic well(s) notified: .

Name .

Address .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Grant County

Authorized 640AF @ 1620gpm. 2300' minimum spacing.

2016 GMD3 inspection showed 372gpm. Not running in 2020.

Avg Reported use (2012-2020): 223AF/year. No water use reported in 2021.

No log on current well.

GMD3 Change Review

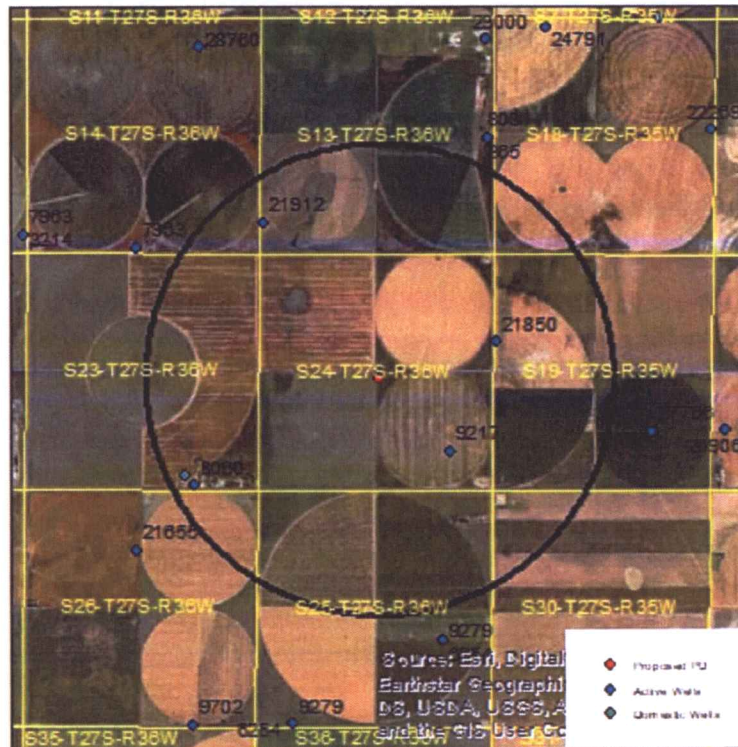
Is a waiver needed: Move is less than half mile. Minimum well spacing appears to be met. One critical well determined if proposed well runs at maximum rate/quantity.

Recommendation: After review of all available information, current area rules are met. Staff would recommend approval with caution is suggested to make sure no negative effects to neighboring wells.

A handwritten signature in blue ink, consisting of a large, stylized 'J' followed by a smaller, more complex mark that could be interpreted as initials or a second part of the name.

Evaluation of proposed move for Water Right No. 9217

Proposed: Move water right no. 9217 to a new well location, 2,285 ft to the northwest.



Wells within 1 mile: 21912, 8060, 21850, and a domestic well in section 23-27-36.

The saturated thickness at the proposed well location is estimated to be 170 ft, based upon the GMD3 model. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

50 year Theis Analysis: The following values were used to run the analysis:

$S = 0.1941$, $T = 3463 \text{ ft}^2/\text{day}$, $t_{p\text{current}} = 136 \text{ days}$, $Q_{\text{current}} = 372 \text{ gpm}$, $t_{p\text{proposed}} = 89 \text{ days}$,
 $Q_{\text{proposed}} = 1620 \text{ gpm}$

Theis drawdowns were calculated as follows:

21912:	Drawdown from current location = 1.75 ft
	Drawdown from proposed location = 6.52 ft
	Net drawdown = 4.8 ft
8060:	Drawdown from current location = 1.92 ft
	Drawdown from proposed location = 6.16 ft
	Net drawdown = 4.2 ft

21850: Drawdown from current location = 3.09 ft
Drawdown from proposed location = 8.74 ft
Net drawdown = **5.6 ft**

Domestic 23-27-36: Drawdown from current location = 1.88 ft
Drawdown from proposed location = 6.09 ft
Net drawdown = **4.2 ft**

Net drawdown exceeds the drawdown allowance of 3.5 ft for all wells within 1 mile of the proposed location. Critical well analysis is necessary on those wells.

Critical Well Evaluation:

21912:

Water Column = 158 ft

DP = 4.8 ft (Net drawdown from the proposal indicated above)

DE = 46.0 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 3.1 ft (S = 0.2648, T = 103,447 gpd/ft, Q = 120 gpm, tp = 132 days, efficiency = 70%)

DT = 53.9 ft

Economic Drawdown Constraint (EDC) = $0.4 * 158 \text{ ft} = 63.2 \text{ ft}$

Physical Drawdown Constraint (PDC) = $158 \text{ ft} - 60 \text{ ft} = 98 \text{ ft}$

Total drawdown of 53.9 ft is less than the EDC and PDC, so this well is **not critical**.

8060:

Water Column = 171 ft

DP = 4.2 ft (Net drawdown from the proposal indicated above)

DE = 45.2 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 17.0 ft (S = 0.1873, T = 38,395 gpd/ft, Q = 250 gpm, tp = 146 days, efficiency = 70%)

DT = 66.4 ft

Economic Drawdown Constraint (EDC) = $0.4 * 171 \text{ ft} = 68.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $171 \text{ ft} - 60 \text{ ft} = 111 \text{ ft}$

Total drawdown of 66.4 ft is less than the EDC and PDC, so this well is **not critical**.

21850:

Water Column = 166 ft

DP = 5.6 ft (Net drawdown from the proposal indicated above)

DE = 47.1 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DD = 39.6 ft ($S = 0.2259$, $T = 39,102$ gpd/ft, $Q = 621$ gpm, $t_p = 79$ days, efficiency = 70%)

DT = 92.3 ft

Economic Drawdown Constraint (EDC) = $0.4 * 166$ ft = 66.4 ft

Physical Drawdown Constraint (PDC) = 166 ft – 60 ft = 106 ft

Total drawdown of 92.3 ft is greater than the EDC, so this well is **critical**.

Domestic 23-27-36:

Water Column = 171 ft

DP = 4.2 ft (Net drawdown from the proposal indicated above)

DE = 45.2 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 49.4 ft

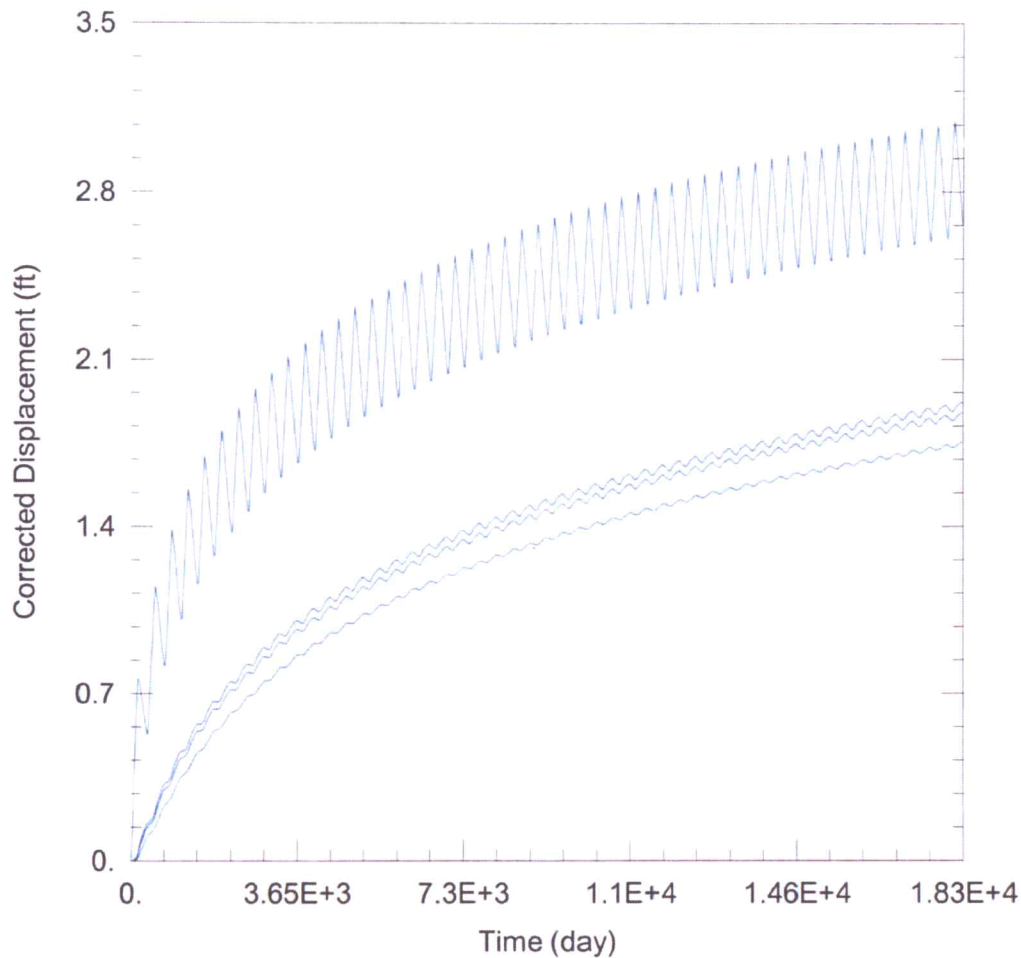
Economic Drawdown Constraint (EDC) = $0.4 * 171$ ft = 68.4 ft

Physical Drawdown Constraint (PDC) = 171 ft – 20 ft = 151 ft

Total drawdown of 49.4 ft is less than the EDC and PDC, so this well is **not critical**.

Conclusion:

The proposed move is in an area with less than 200 ft saturated thickness. The GMD3 model estimates declines slightly less than 2 ft/year over the next 25 years. If the proposed well were to pump its full authorized authority, there would likely be a noticeable drawdown effect on all neighboring wells. Critical well analysis shows that water right no. 21850 is critical because its available aquifer is declining at a rate of more than 40% over the next 25 years, considering the additional drawdown effect of the proposal and the drawdown required to sustain its current pumping rate and average use over the last 10 years. It is likely that this well will become much less productive over the next 25 years. Concerned neighbors may contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\9217\9217 Current.aqt
 Date: 06/13/22 Time: 14:58:41

PROJECT INFORMATION

Company: GMD 3
 Project: 9217
 Location: Grant County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
9217	-116530	293502

Observation Wells

Well Name	X (ft)	Y (ft)
□	-116530	293502
□ 21912	-120762	298630
□ 8060	-122293	292756
□ 21850	-115516	295963
□ Domestic 23-27-36	-122524	292987

SOLUTION

Aquifer Model: Unconfined

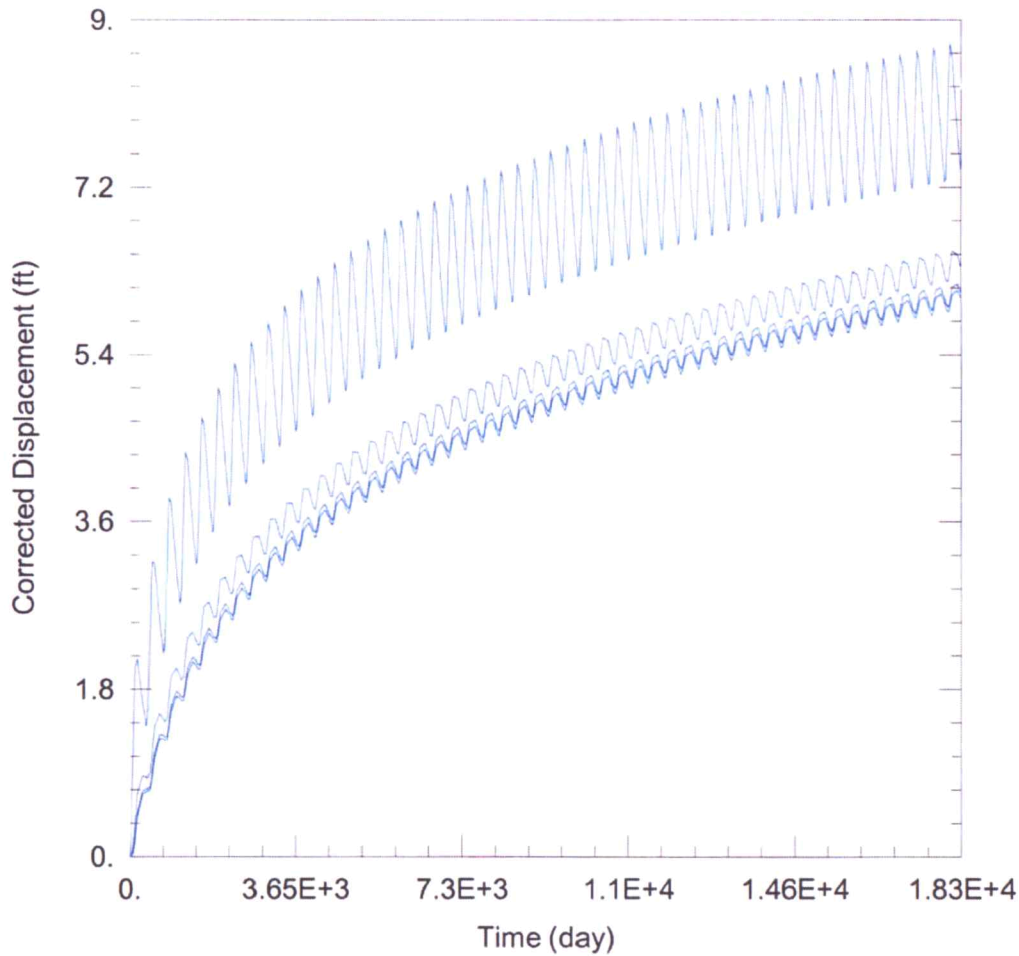
Solution Method: Theis

T = 3463. ft²/day

S = 0.1941

Kz/Kr = 1.

b = 170. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\9217\9217 Proposed.aqt
 Date: 06/13/22 Time: 14:58:07

PROJECT INFORMATION

Company: GMD 3
 Project: 9217
 Location: Grant County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
9217	-118126	295137	□	-118126	295137
			□ 21912	-120762	298630
			□ 8060	-122293	292756
			□ 21850	-115516	295963
			□ Domestic 23-27-36	-122524	292987

SOLUTION

Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Theis</u>
T = <u>3463</u> . ft ² /day	S = <u>0.1941</u>
Kz/Kr = <u>1.</u>	b = <u>170.</u> ft

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

2476 Feet N and 2563 Feet W of the Southeast Corner of Section 24 Twp 27S Rng 36W

Located at: 101.207639 West Longitude and 37.684860 North Latitude

Both SURFACE WATER and GROUNDWATER

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	8060	00	IRR NK G	4777	--	--	CS SE	----	----	----	23	27	36W	1		960.00	960.00
A__ AF	9217	00	IRR NK G*	2167	--	--	NW SE SE	----	----	----	24	27	36W	1		640.00	640.00
A__ AF	21850	00	IRR NK G	2738	--	--	--	----	3308	4862	19	27	35W	3		557.00	557.00
A__ AF	21912	00	IRR NK G	4413	--	--	CW SW SW	----	695	5247	13	27	36W	3		320.00	320.00

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) =	2477.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2477.00	.00

Quantity Approved
2477

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:

2476 Feet North and 2563 Feet West of the Southeast Corner of Section 24 Twp 27S Rng 36W

Located at: 101.207639 West Longitude and 37.684860 North Latitude

Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

- > File Number Use ST SR
- > MICHAEL T LONG
- >
- > 701 N JOYCE ST
- > ULYSSES KS 67880
- >
- > TYLER ESAU
- >
- > 4606 CC RD
- > COPELAND KS 67837
- >
- > J & L SMITH FARMS INC
- > BRYAN SMITH
- > 9170 E ROAD 2
- > ULYSSES KS 67880
- >
- > JEFFREY SCHOONOVER
- >
- > 5414 E ROAD 11
- > ULYSSES KS 67880

8060

9217 Application

21850 Name or Application

21912

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

June 3, 2022

GROUNDWATER MANAGEMENT DISTRICT #3
2009 E SPRUCE ST
GARDEN CITY KS 67846

Re: Request for Recommendation,
File No. 9217

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Jacob Neufeld and appears to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

A handwritten signature in blue ink that reads "Austin McColloch".

Austin McColloch
Assistant Water Commissioner

Enclosure
pc: