

Submit To:  
CHIEF ENGINEER  
Division of Water Resources  
Kansas Department of Agriculture  
1320 Research Park Drive  
Manhattan, KS 66502-5000  
<http://agriculture.ks.gov/dwr>

# APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

WATER RESOURCES RECEIVED  
JUL 22 2024  
13:31  
KS Dept. of Agriculture



State of Kansas

STATUTORY FILING FEE MUST ACCOMPANY THIS APPLICATION  
Please refer to the Fee Schedule attached to this application form.

File Number: **51270**

This item to be completed by the Division of Water Resources staff.

1. Name of Applicant: Dean Family Farms, LLC C/O Michael Dean  
Address: 3612 Epperly Dr.  
City: Del City State: OK Zip Code: 73115  
Phone: 405-639-9343 Email: mbo@meadowbrookoil.com

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
 groundwater in BLUFF CREEK (CHIKASKIA) (drainage basin) 7/23/2024  
KJN

3. The maximum annual quantity of water desired is 332  acre-feet  gallons  
to be diverted at a maximum rate of 800  gpm  c.f.s.  natural flows  natural evaporation  
 This project involves surface water storage and rediversion. The maximum annual quantity of water desired to be rediverted is \_\_\_\_\_  acre-feet  gallons, at a rate of \_\_\_\_\_  gpm  c.f.s.

### Conversion Factors

1 acre-foot (AF) = 325,851 gallons  
1 million gallons (mg) = 3.07 acre-feet (AF)  
1 cubic foot per second (c.f.s.) = 448.8 gallons per minute (gpm)

**IMPORTANT:** Once your application has been assigned a priority date and file number, the requested maximum rate of diversion and maximum requested annual quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum annual quantity of water are appropriate and reasonable for your proposed project.

4. The water is intended to be appropriated for the following use(s):  
 Artificial Recharge\*  Irrigation\*  Recreational\*  Water Power\*  
 Industrial\*  Municipal\*  Stockwatering\*  Sediment Control  
 Domestic  Dewatering  Hydraulic Dredging  Fire Protection  
 Thermal Exchange  Contamination Remediation

**\*IMPORTANT:** You **must** submit a supplemental form providing information to substantiate your request for the quantity of water listed in Item No. 3 for the intended use(s) referenced above.

8/22/2024  
KAnderson

FOR OFFICE USE ONLY					
FO	<u>2</u>	GMD	<u>-</u>	DUA	<u>-</u>
Use	<u>IRR</u>	Source	<u>GW</u>	County	<u>HP</u>
By	<u>KJN</u>	Date	<u>7/23/24</u>		
Code	<u>RE3</u>	Fee \$	<u>320</u>	TR #	
Receipt Date	<u>7-22-24</u>	Check #	<u>2915</u>		



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60 DTL\*

5. The location(s) of the proposed diversion work(s) (well, pumpsite, etc.) are described below. Note that for the application to be accepted, the point of diversion location(s) **must** be described to at least a 10-acre tract, unless you specifically request a 60-day period of time in which to locate the site within a specifically described, minimal legal quarter section of land. You can specify a nickname for the point of diversion via the A.K.A. line to help you identify it.

Please allow 60 days for location of wells to be determined.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300-foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800gpm and which supply water to a common distribution system.

7/23/2024  
KJN

(A) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the NE quarter of Section 04, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 32 South, Range 08 E W, Harper County, KS. A.K.A: \_\_\_\_\_

(B) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section 04, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 32 South, Range 08 E W, Harper County, KS. A.K.A: \_\_\_\_\_

(C) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section 04, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 32 South, Range 08 E W, Harper County, KS. A.K.A: \_\_\_\_\_

(D) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section 04, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 32 South, Range 08 E W, Harper County, KS. A.K.A: \_\_\_\_\_

(E) One in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township \_\_\_\_\_ South, Range \_\_\_\_\_ E W, \_\_\_\_\_ County, KS. A.K.A: \_\_\_\_\_

6. The proposed project for diversion of water will consist of Battery of 4 wells  
(number of wells, pumps, dams, etc.)  
and was/will be completed on or by the following date: ASAP  
(date each was or will be completed)

7. The first actual application of water for the proposed beneficial use was or is estimated to be ASAP  
(Date)

8. List any application, appropriation of water, water right, or vested right file number that covers the same point(s) of diversion or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?  
 Yes  No If **yes**, a check valve shall be required. All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact DWR prior to submitting this application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.  
Have you made an application for a permit for construction of this dam and reservoir with DWR?  Yes  No  
If yes, write the Water Structures permit number here: \_\_\_\_\_

11. Furnish a detailed topographic or aerial map that depicts the following information:

The application **must** be supplemented by a topographic map, aerial photograph or a detailed plat showing the information described in A-D below.

- (A) The center of the section, the section lines or the section corners, and labels showing the appropriate section, township and range numbers, as well as a north arrow and scale,
- (B) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) described in Item No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section,
- (C) The location of the proposed place of use identified by crosshatching,
- (D) **For Groundwater Use**, the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells and indicate for each well its type of use and the name and mailing address of the property owner or owners, (If there are no wells within 1/2 mile, please indicate that on the map.)

**For Surface Water Use**, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines, and

- (E) The locations of proposed or existing dams, dikes, reservoirs, canals, pipelines, power houses, and any other structures for the purpose of storing, conveying, or using water.

12. For groundwater use, furnish copies of the driller's logs for all test holes or completed wells. Please ensure that the driller's logs provide depth to the static water level. If driller's logs cannot be obtained for an existing well, provide the following information:

Well location as shown in Item No. 5	(A)	(B)	(C)	(D)	(E)
Please allow 60 days for logs and well information.	Date drilled	_____	_____	_____	_____
	Total depth of well	_____	_____	_____	_____
	Depth to static water level	_____	_____	_____	_____

13. The owner(s) of the point of diversion, if other than the applicant is:

Dean Family Farms, LLC C/O Michael Dean, 3612 Epperly Dr Del City OK 73115, 405-639-9343

\_\_\_\_\_  
(name, address, and phone)

\_\_\_\_\_  
(name, address, and phone)

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File No. \_\_\_\_\_

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14. The owner(s) of the property where the water is used, if other than the applicant, is:  
Dean Family Farms, LLC C/O Michael Dean, 3612 Epperly Dr Del City OK 73115, 405-639-9343  
(name, address, and phone)

\_\_\_\_\_  
(name, address, and phone)

15. The relationship of the applicant to the proposed place where the water will be used is that of:

Owner     Agent     Tenant     Other: \_\_\_\_\_

16. A water use correspondent (WUC) must be designated. The WUC will be mailed the annual water use report, which must be filed with the Division by March 1 of each year. Failure to timely file an accurate water use report will subject the owner(s) to a civil fine of up to \$1,000 and potential suspension of the water appropriation or right. By signing this application, I verify that the owner(s) of the water right or permit have confirmed that the following person or agent should be designated as the WUC:

Michael Dean, 3612 Epperly Dr Del City OK 73115, 405-639-9343  
(name, address, and phone)

17. I understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. This could affect the economics of my decision to appropriate water. Situations where this might occur may include times when minimum desirable streamflow (MDS) requirements are not met, when Assurance District or Water Marketing releases are made from storage in federal reservoirs, when a Water Reservation Right upstream of a federal reservoir is administered, or when water rights administration becomes necessary to prevent impairment.

I declare, under penalty of perjury, that I have legal access to or control of, the point(s) of diversion described in this application from the landowner or the landowner's authorized representative.

By signing below, I verify that the information set forth above is true to the best of my knowledge, I agree with all statements made above, and that this application is submitted in good faith.

Michael D. Dean  
(Applicant Signature)

16 July 2024  
(Date)

Dean Family Farms, LLC C/O MICHAEL D. DEAN  
(Applicant Name - please print)

Manager  
(Applicant Title, if applicable - please print)

Assisted by Daniel Bird

STFO/Environmental Scientist  
(office/title)

Date: 07/15/2024



## IRRIGATION USE SUPPLEMENTAL SHEET

WATER RESOURCES  
RECEIVED

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KS Dept. of Agriculture

File No. \_\_\_\_\_

Name of Applicant (Please Print): Michael Dean

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

**Landowner of Record** NAME: Dean Family Farms, LLC

ADDRESS: 3612 Epperly Dr. Del City OK 73115

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04	32S	08W	40	40	40	40	38			39									237

**Landowner of Record** NAME: \_\_\_\_\_

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

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

**Landowner of Record** NAME: \_\_\_\_\_

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

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

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2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

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a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>woodward-quinlan loam</u>	<u>3</u>	_____	_____
<u>nalim loams</u>	<u>72</u>	_____	_____
<u>shellabarger loam</u>	<u>3</u>	_____	_____
<u>nalim loam</u>	<u>10</u>	_____	_____
<u>Crisfield loam</u>	<u>12</u>	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 3.5 %

c. Type of irrigation system you propose to use (check one):

Center pivot      \_\_\_\_\_ Center pivot - LEPA      \_\_\_\_\_ "Big gun" sprinkler  
 Gravity system (furrows)      \_\_\_\_\_ Gravity system (borders)      \_\_\_\_\_ Sideroll sprinkler

Other, please describe: \_\_\_\_\_

d. System design features:

i. Describe how you will control tailwater:

No Tailwater.

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 35 psi

(2) What is the sprinkler package design rate? 800 gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 65 feet

(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

This is Primarily an Alfalfa field. intend to farm Alfalfa for Five years. followed by a rotation of Soybeans, Wheat, Corn, or Milo for 1 year followed by another 5 years of Alfalfa.

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

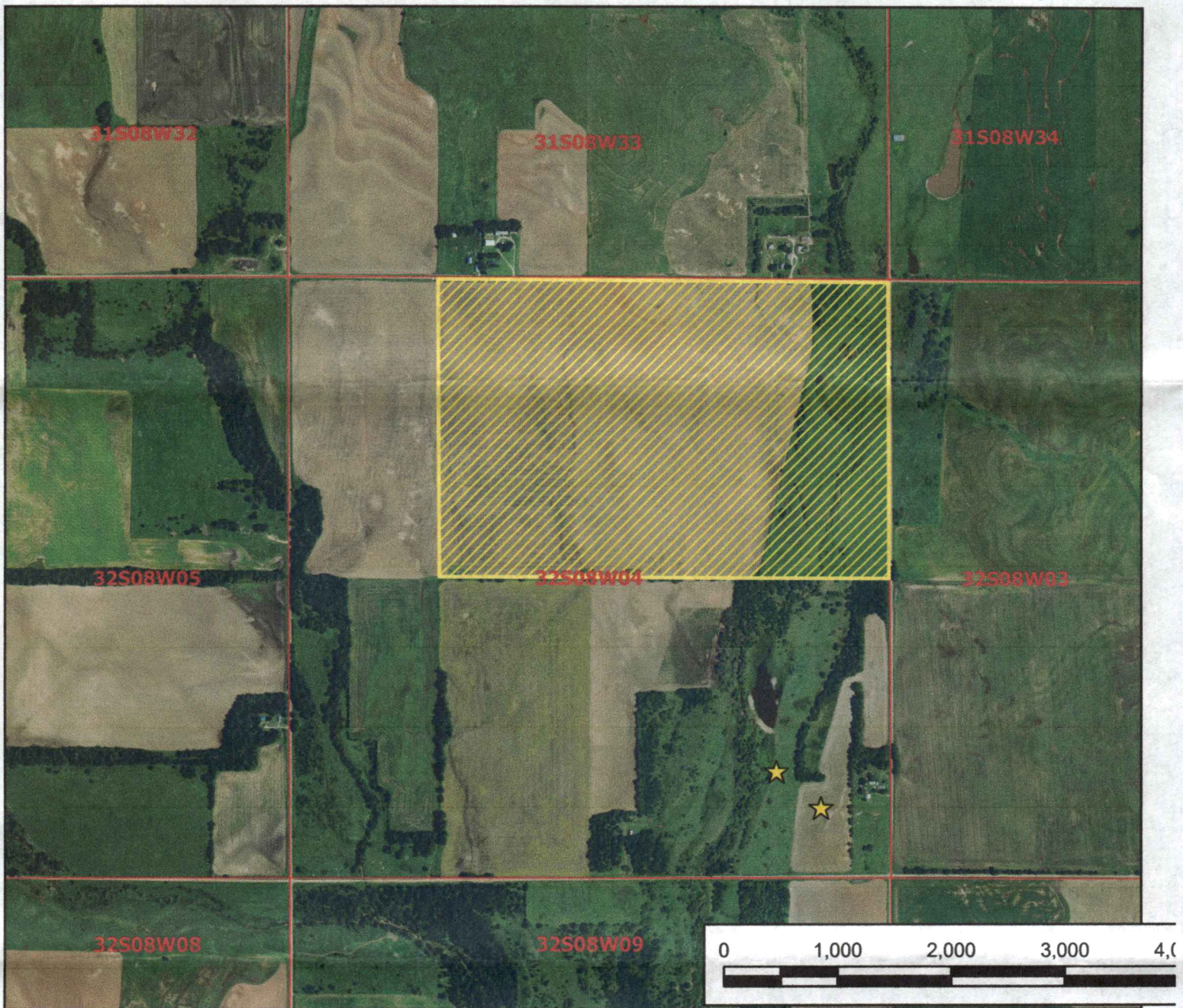
Utilizing area forecasts and soil moisture meters, irrigate only when necessary for optimum growth.

You may attach any additional information you believe will assist in informing the Division of the need for your request.



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**Legend**

- ★ Domestic Well
- ⊕ Section Corner
- Section Line
- ▨ Place of Use

# Place of Use map for New Water Appropriation

04-32S-04W // Harper County

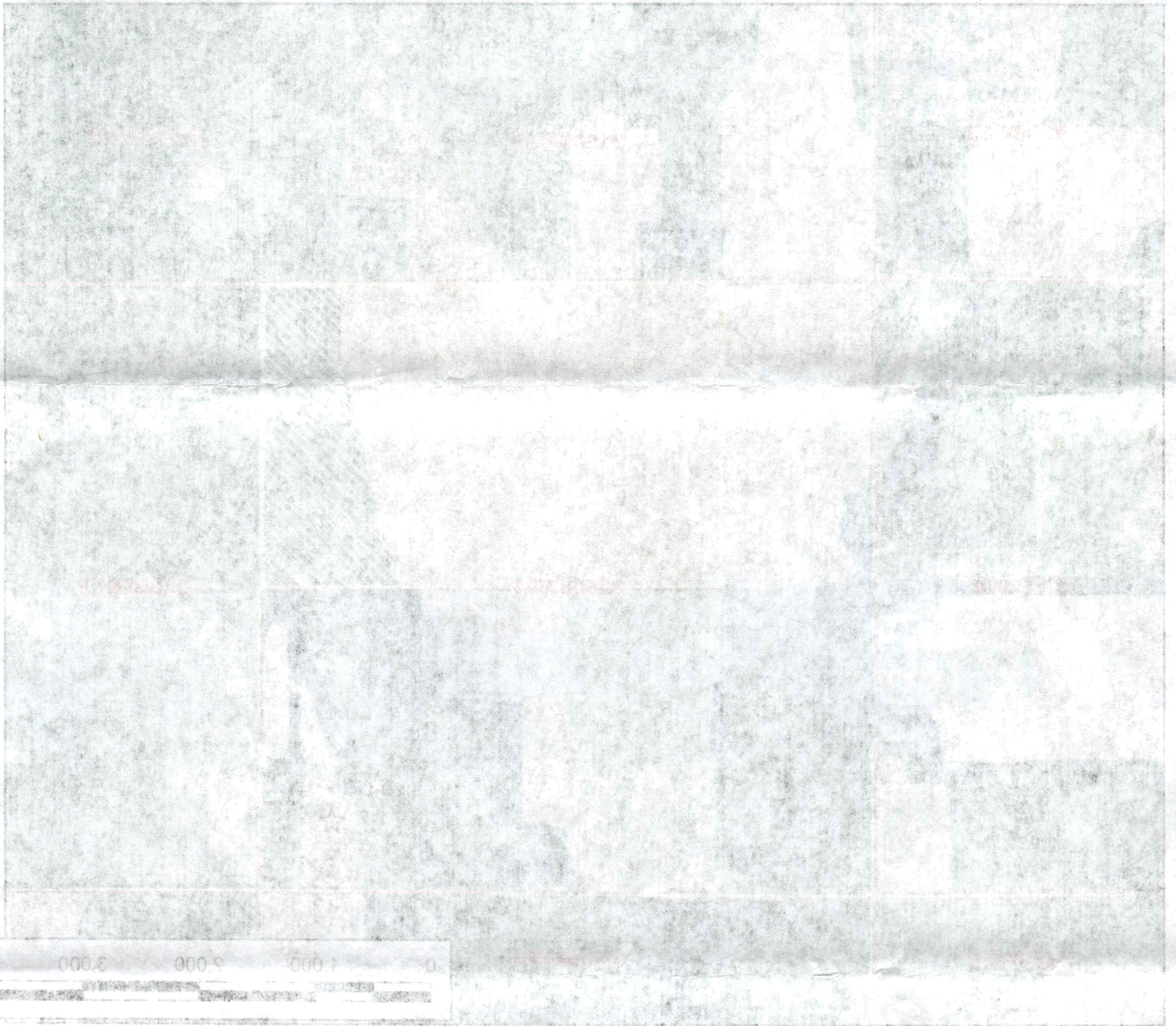


To the best of my knowledge, all points of diversion within one-half mile of the proposed point of diversion have been shown.

*Michael D. Van* 18 June 2024  
Signature / Date 07/11/2024 DKB/SFFO 1:15,000 scale



04-328-04W



**Place of Use map for New Water Appropriation**  
**04-328-04W W Harper County**



To the best of my knowledge, all points of diversion within one-half mile of the proposed point of diversion have been shown.

Legend	
☆	Domestic Well
★	Section Corner
—	Section Line
□	Place of Use

Signature/Date

02/11/2024 DKBSFF O 1:12,000 scale



1320 Research Park Drive  
Manhattan, KS 66502  
785-564-6700  
www. agriculture.ks.gov



900 SW Jackson, Room 456  
Topeka, KS 66612  
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

August 9, 2024

DEAN FAMILY FARMS LLC  
3612 EPPERLY DR  
DEL CITY OK 73115

RE: Application, File No(s). **51270**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Stafford Field Office at 620-234-5311. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser  
New Applications Lead  
Water Appropriation Program