

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>		

JUL 22 2024

File No. _____

KS Dept. of Agriculture

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.

JUL 22 2024

File No. _____

KS Dept. of Agriculture

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)

JUL 22 2024

File No. _____

KS Dept. of Agriculture

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

JUL 22 2024

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	

JUL 22 2024

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

KS Dept. of Agriculture

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.

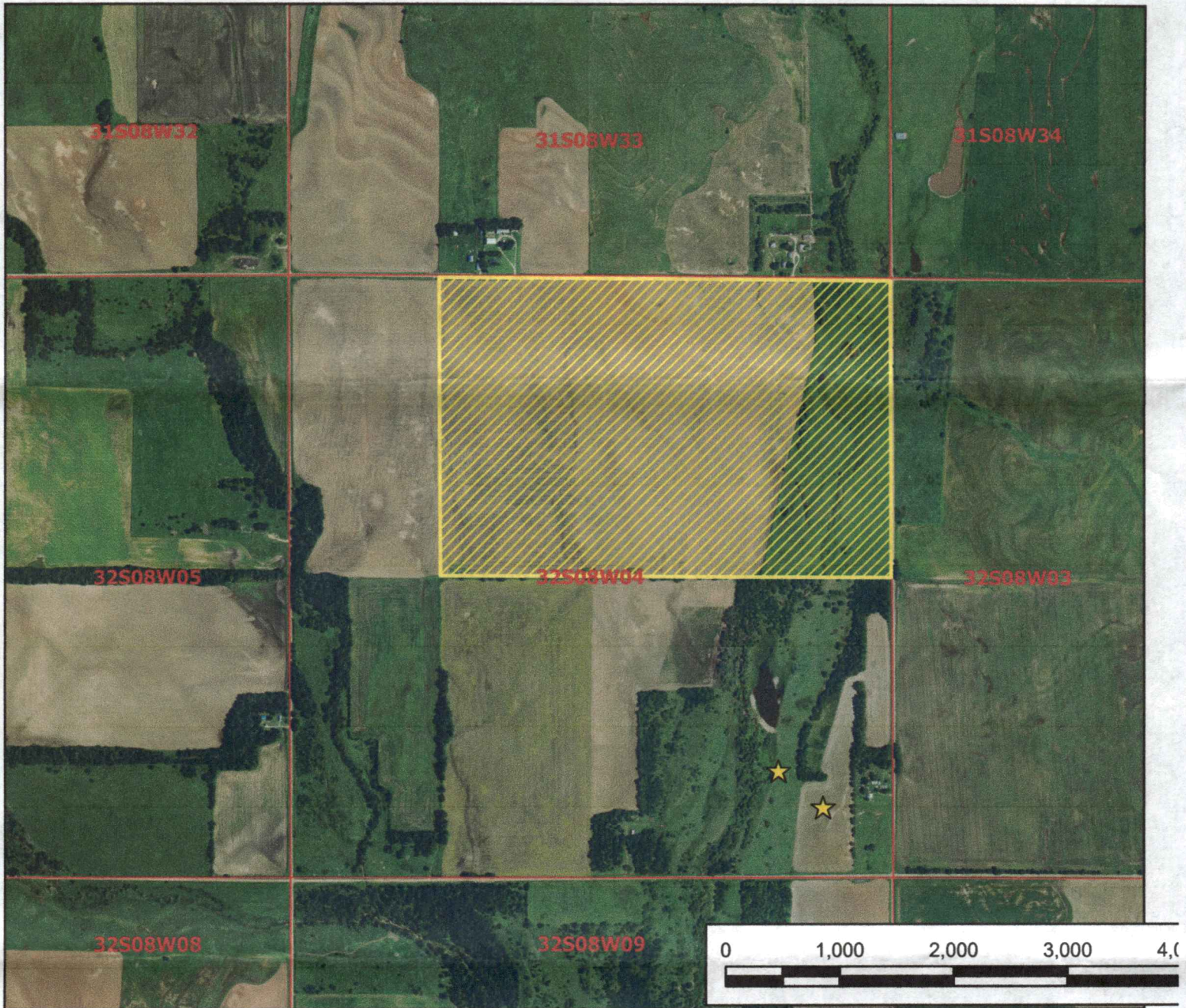
f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

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.

JUL 22 2024

KS Dept. of Agriculture



Legend

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

Place of Use map for New Water Appropriation

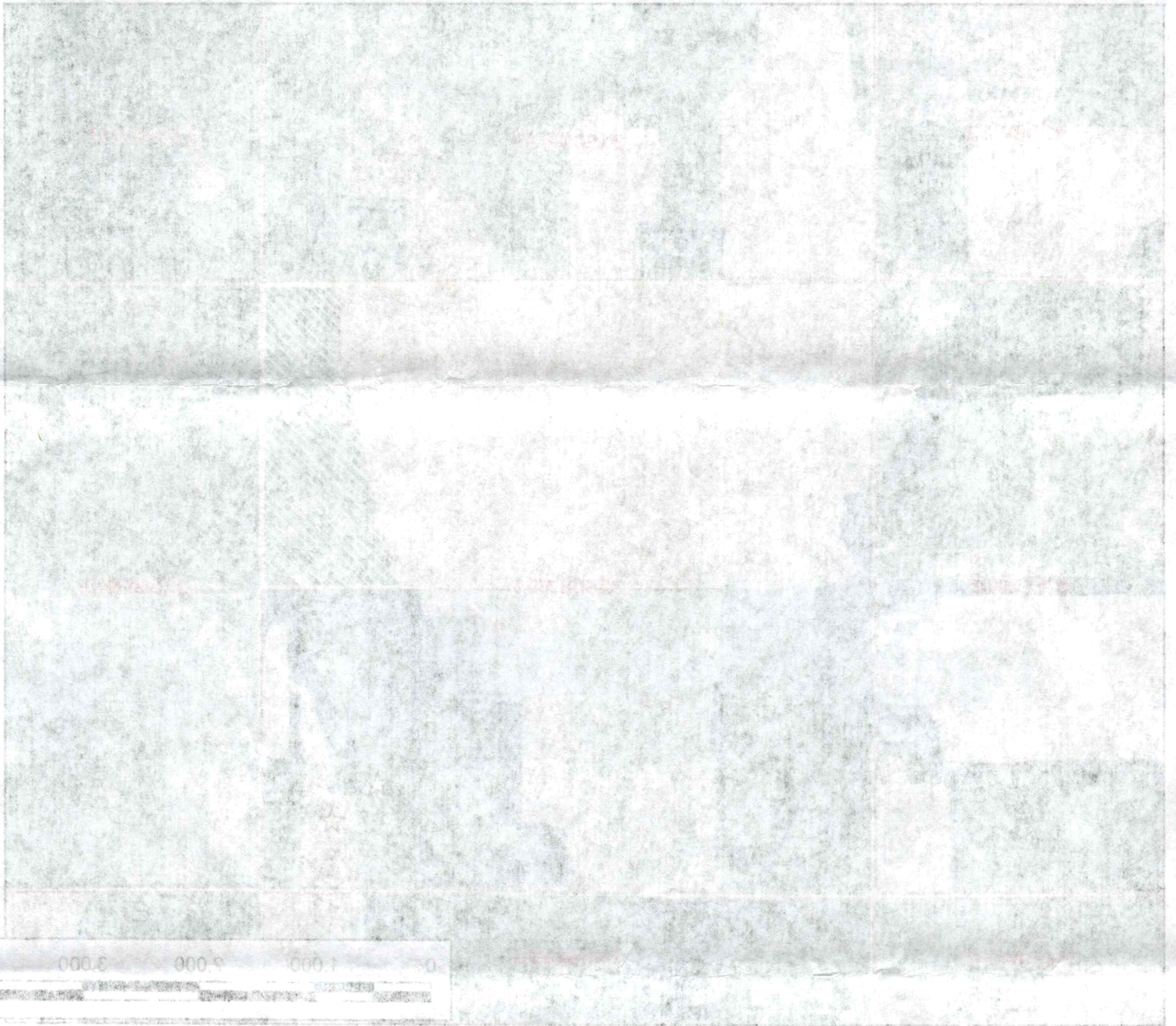
04-32S-04W // Harper County



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 \\ 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. 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

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.

WATER RESOURCES RECEIVED

OCT 31 2024

File Number: **51270**

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

KS DEPT OF AGRICULTURE
10:32 AM

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 _____ (drainage basin)

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 redirection. 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.

FOR OFFICE USE ONLY							
FO	GMD	DUA	Use	Source	County	By	Date
Code RE3	Fee \$ 320	TR #		Receipt Date 7-22-24	Check # 2915		

OCT 31 2024

JUL 22 2024

File No. 51270

KS Dept. of Agriculture

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.

- (A) One in the NW quarter of the SE quarter of the NE quarter of Section 04, more particularly described as being near a point 3435 feet North and 760 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 SW quarter of the SE quarter of the NE quarter of Section 04, more particularly described as being near a point 2943 feet North and 805 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 ^{2 man} 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.

OCT 31 2024

JUL 22 2024

File No. 51270

KS DEPT OF AGRICULTURE KS Dept. of Agriculture

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)
Date drilled	10/16/2024	10/14/2024	_____	_____	_____
Total depth of well	56	60	_____	_____	_____
Depth to static water level	8	8	_____	_____	_____

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)

OCT 31 2024

JUL 22 2024

File No. 51270

KS DEPT OF AGRICULTURE

KS Dept. of Agriculture

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 Date: 07/15/2024
(office/title)

WATER RESOURCES
RECEIVED

OCT 31 2024

KS DEPT OF AGRICULTURE

IRRIGATION USE
SUPPLEMENTAL SHEET

File No. 51270

WATER RESOURCES
RECEIVED

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KS Dept. of Agriculture

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	

JUL 27 2024

KS Dept. of Agriculture

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

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> </u>	<u> </u>
<u>nalim loams</u>	<u>72</u>	<u> </u>	<u> </u>
<u>shellabarger loam</u>	<u>3</u>	<u> </u>	<u> </u>
<u>nalim loam</u>	<u>10</u>	<u> </u>	<u> </u>
<u>Crisfield loam</u>	<u>12</u>	<u> </u>	<u> </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.

WATER RESOURCES RECEIVED

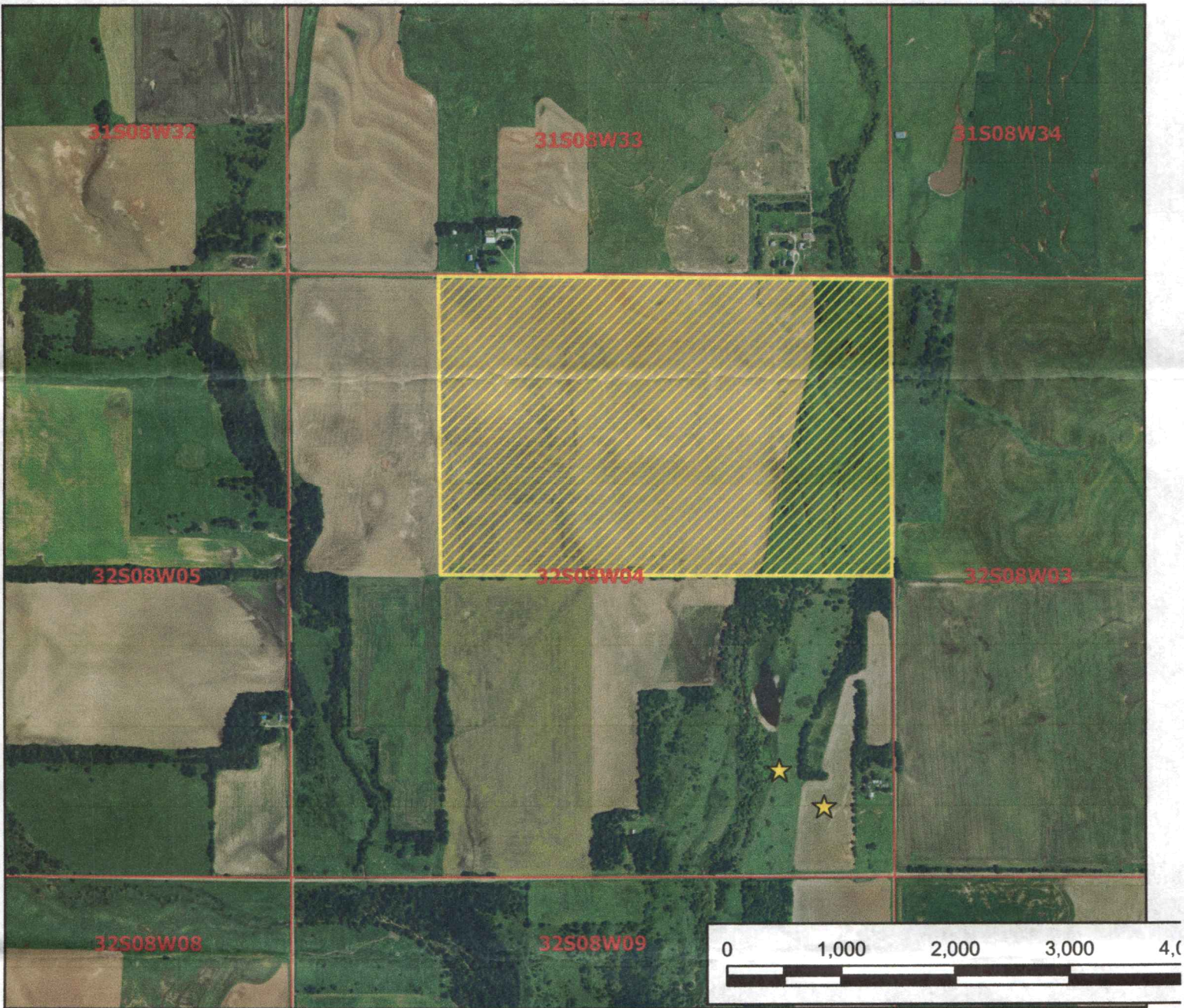
WATER RESOURCES RECEIVED

OCT 31 2024

JUL 22 2024

KS DEPT OF AGRICULTURE

KS Dept. of Agriculture



Legend

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

Place of Use map for New Water Appropriation

04-32S-04W // Harper County



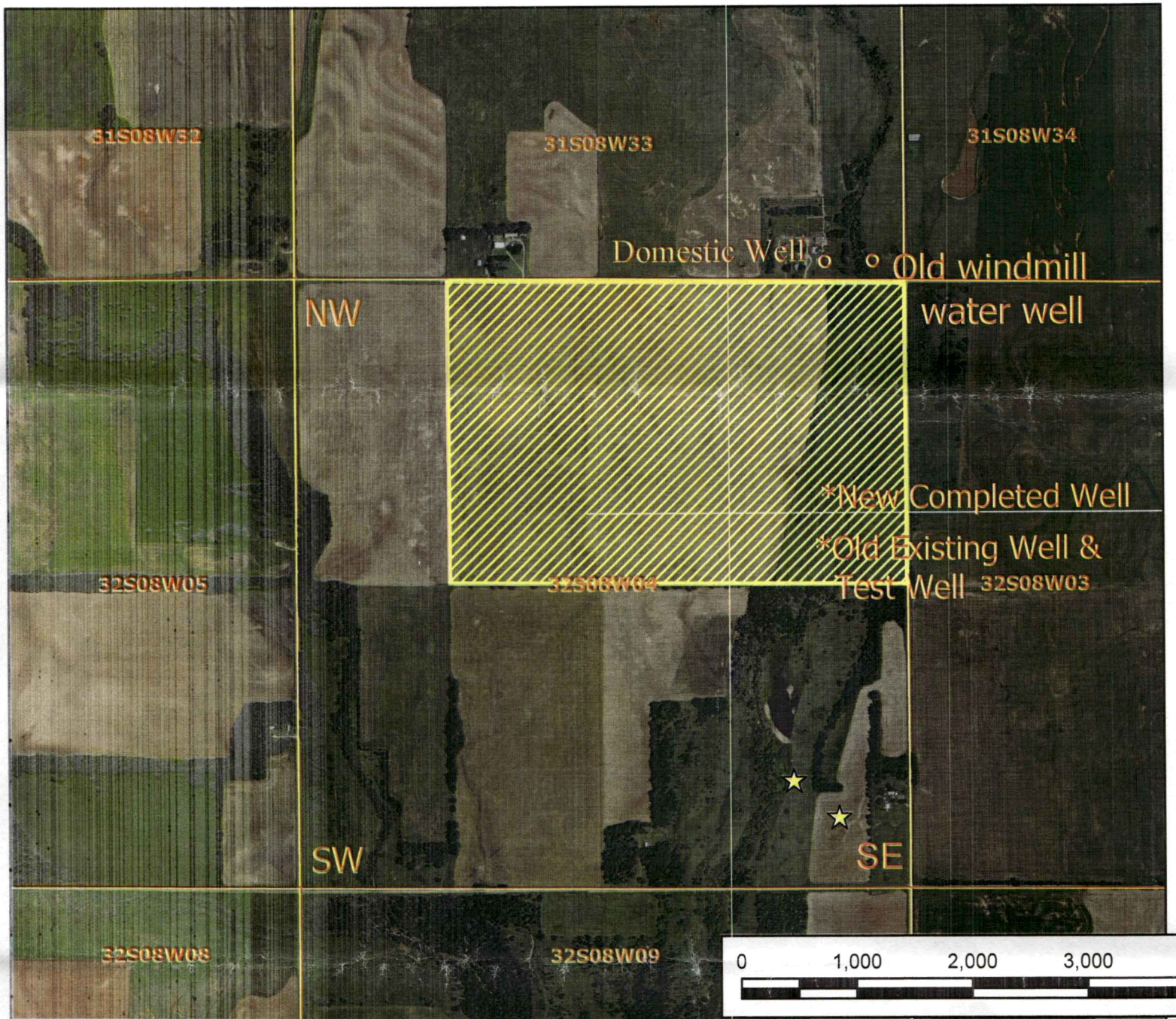
To the best of my knowledge, all points of diversion within one-half mile of the proposed point of diversion have been shown.

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

OCT 31 2024

51270

KS DEPT OF AGRICULTURE



Legend

- ☆ Domestic Well
- ⊕ Section Corner
- ▭ Section Line
- ▨ Place of Use

- * Well Battery Location
- Existing Water Wells

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. Dean
Michael D. Dean, Manager Dean Family Farms

WATER RESOURCES
RECEIVED

OCT 31 2024

KS DEPT OF AGRICULTURE

51270

**Owners of Wells
within one-half mile**

South of Project (two wells):

MANS, CLINTON A & CHRISTINA L
PO BOX 217
ATTICA KS 67009

North of Project (two wells, no records)

SCHULE, AARON
820 NW 100 RD
HARPER KS 67058

WATER WELL RECORD (WWC-5)

DRAFT

Constructed

KOLAR DOC ID 1799858

WELL ID

Original Record [] Correction [] Change in Well Use

LOCATION OF WATER WELL

Table with location details: Latitude 37.292149, Longitude -98.187137, Section 4, Township 32, Range 8, Fraction NW 1/4 SE 1/4 NE 1/4, Datum NAD83, Elevation 1461, County Harper.

WATER WELL OWNER

Owner information: Name, Business (Dean Family Farms, LLC), Address (3612 Epperly Dr, Del City OK 73115), Well location (~750ft W & 7/20mi S of NW 100 Rd & NW 80 Ave / 3/4mi NNE of Attica).

WELL WATER USE

Domestic Livestock/Pasture

COMPLETION

Completion details: Depth of completed well 56 ft., Static water level 8 ft., Estimated yield 150 gpm, Water level 150 gpm pumping, Pump installed? Yes, Water well disinfected? Yes, Date disinfected 10/16/2024.

NEAREST SOURCE OF POTENTIAL CONTAMINATION

Contamination source information: Distance from well, Direction from well, Source description, No potential source of contamination within 100 feet.

CONSTRUCTION

Construction details: Borehole interval 0 to 56 ft., Borehole diameter 12 in., Casing height 12 in., Casing type ThermalPlastic, Blank casing interval 0 ft. to 36 ft., Blank casing diameter 8 in., Casing joints Glued, Weight lbs/ft., Wall thickness or gauge no. .332, Grout interval 0 ft. to 23 ft., Grout material Bentonite.

PERMIT & ID NUMBERS (AS REQUIRED)

Permit information: DWR Application No., KDHE / EPA Project Code, Site Name, KDHE UIC Class V Form Completed, County Permit, Lease Name & Well #, # of boreholes, # of dewatering wells.

LITHOLOGIC LOG

Lithologic log table with columns FROM, TO, LITHOLOGY INTERVALS. Intervals include topsoil, clay, sand, fine to medium, clay, sand mix 60/40, sand, medium, shale, moderately weathered.

COMMENTS

Comments section for additional notes.

CONTRACTOR'S OR LANDOWNERS CERTIFICATION

Certification text: This water well was constructed/reconstructed pursuant to the stated water well contractor's license and was completed on 10/16/2024. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on Peterson McNett Drilling, Inc., Kansas Water Well Contractor's License No. 897 under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: Logan McNett.

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka KS 66612-1367 (785) 296-3565 | K.S.A. 82a-1212 | v2022c

WATER RESOURCES RECEIVED OCT 31 2024 KS DEPT OF AGRICULTURE

OCT 31 2024

Dean Family Farms

IRRIGATION TEST WELL

Driller & Assistant: Logan and Gary + Chip

Date: 10/14/2024

KS DEPT OF AGRICULTURE

CUSTOMER: Mike Dean

PHONE #: 405-639-9343 / 405-672-

MAIL ADDRESS: 3612 Epperly Dr. Del City, OK 73115 0240

DRILL LOCATION: - 775 ft W + 2 3/4 mi S of NW 100 Rd + NW 80 Ave /

- | | | | |
|--------------------------------------------|---------------------------------------|--------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Screen 2-1/2" | <input type="checkbox"/> Holeplug | <input type="checkbox"/> Gas & Oil - W.T. | <input type="checkbox"/> 6" or 5" Liner if needed |
| <input type="checkbox"/> Casing 2-1/2" | <input type="checkbox"/> Quarters | <input type="checkbox"/> 3/4" Polyethylene | <input type="checkbox"/> Solvent & Glue |
| <input type="checkbox"/> Couplings, 2-1/2" | <input type="checkbox"/> Water | <input type="checkbox"/> 2-1/2" PVC Tee | <input type="checkbox"/> Water Sample Bottle |
| <input type="checkbox"/> End Caps, 2-1/2" | <input type="checkbox"/> Lime | <input type="checkbox"/> 5" & 6" Bits | <input type="checkbox"/> Inspection Sheet |
| <input type="checkbox"/> Gravel Pack | <input type="checkbox"/> Drilling Mud | <input type="checkbox"/> Packing | |

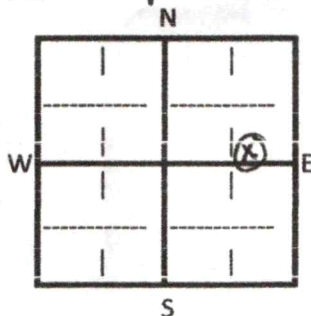
3 3/4 mi NNE of Attila

Depth:	Formation:	Well Information:
0-3'	top soil	Static Water Level: 8'
3'-20'	sand coarse	Groundwater depth: _____
20'-24'	sand clay mix 60/40	Est. Production: 100-250 gpm
24'-50'	clay with fine sand 70/30	Casing Size/Depth: _____
50'-52'	sand coarse	
52'-53'	floating shale	Screen Size/Depth: _____
53'-57'	sand coarse clay mix 70/30	
57'-60'	shale red	Slot Size: _____
		Grouting Depth: 0-60'
		Number of Bags: 3
		Sucker Rods: _____
		1" Casing: _____
		Nearest Contamination: NONE
		Notes:

Latitude: 37.290912 N decimal degrees (ex. 38.881796)
 Longitude -98.187247 W decimal degrees (ex. 95.373889)
 Datum: NAD27 NAD83 WGS84

Elevation: 1459 ft.

— 1/4 SW 1/4 SE 1/4 NE 1/4
 Sec. 4 T 32 R 8 S(W)
 County Harper



\$20⁰⁰ x 60 /ft. Well \$ 1200.00
 \$ 75⁰⁰ /Grout
 \$ _____ /Permit Charge
 \$ _____ /Submersible Pump
 \$ _____ /Dirt & Debris Removal
 \$ _____ /Water Sample / Test Pumping
 \$ _____ /Mobilization/Travel
 \$ _____ /Discount
 Contract Received: 10-2-2024

Invoice #: 3418
 Date Mailed: _____
 Well Data: Access:
 Materials: Incent: _____

Permit #: _____
 WWCS #: _____