

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 29 2024
12:39
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: **51277**

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

1. Name of Applicant: Darrell Wood
Address: 1983 260th Ave
City: Lewis State: KS Zip Code: 67552
Phone: 620-546-3429 Email: dnwfarm@gmail.com

2. The source of water is: surface water in _____ (stream)
 groundwater in Rattlesnake Creek Basin (drainage basin)

3. The maximum annual quantity of water desired is 195 acre-feet gallons
to be diverted at a maximum rate of 1100 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):

<input type="checkbox"/> Artificial Recharge*	<input checked="" type="checkbox"/> Irrigation*	<input type="checkbox"/> Recreational*	<input type="checkbox"/> Water Power*
<input type="checkbox"/> Industrial*	<input type="checkbox"/> Municipal*	<input type="checkbox"/> Stockwatering*	<input type="checkbox"/> Sediment Control
<input type="checkbox"/> Domestic	<input type="checkbox"/> Dewatering	<input type="checkbox"/> Hydraulic Dredging	<input type="checkbox"/> Fire Protection
<input type="checkbox"/> Thermal Exchange	<input type="checkbox"/> 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	<u>2</u>	GMD	<u>5</u>	DUA	-	Use	<u>IRR</u>
Code	<u>BE2</u>	Fee \$	<u>300</u>	TR #		Source	<u>GW</u>
						County	<u>ED</u>
						By	<u>KJN</u>
						Date	<u>7/30/24</u>
						Receipt Date	<u>7-29-24</u>
						Check #	<u>9202</u>

7/30/2024
KJN

WATER RESOURCES
RECEIVED

JUL 29 2024

File No. _____

KS Dept. of Agriculture

5. The location(s) of the proposed diversion work(s) (well, pumphouse, 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.

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 _____ quarter of the _____ quarter of the SE quarter of Section 33, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 24 South, Range 16 E W, Edwards County, KS. A.K.A: _____

(B) 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: _____

(C) 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: _____

(D) 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: _____

(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: _____

PLACEHOLDERS:
1320 FT N
1320 FT W

6. The proposed project for diversion of water will consist of 1 well, 1 pump, 1 center pivot system
(number of wells, pumps, dams, etc.)
and was/will be completed on or by the following date: ASAP after approval
(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 2025 irrigation season
(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.
38136 has a voluntary dismissal pending the approval of this application in accordance
with KAR 5-25-22, Rattlesnake creek offset

JUL 29 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: **request 60 days to provide test log**

Well location as shown in Item No. 5	(A)	(B)	(C)	(D)	(E)
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:

Wood, Darrell N & Natalie D Rev Trust, 1983 260th Ave Lewis, KS 67552 620-546-3429

(name, address, and phone)

(name, address, and phone)

JUL 29 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:

Wood, Darrell N & Natalie D Rev Trust, 1983 260th Ave Lewis, KS 67552 620-546-3429

(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:

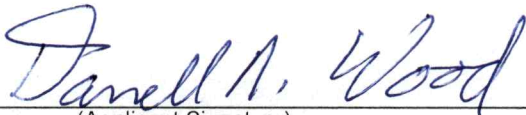
Darrell Wood, 1983 260th Ave Lewis, KS 67552 620-546-3429

(name, address, and phone)

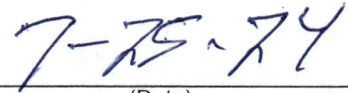
17. I understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. This could affect the economics of my decision to appropriate water. Situations where this might occur may include times when minimum 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.



(Applicant Signature)



(Date)

(Applicant Name – please print)

(Applicant Title, if applicable – please print)

Assisted by DKB

SFFO/Environmental Scientist
(office/title)

Date: 7/24/24

JUL 29 2024

KS Dept. of Agriculture

FEE SCHEDULE

Make checks payable to the Kansas Department of Agriculture.

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic, waterpower, dewatering, or sediment control use, shall be (see No. 2 below if requesting storage):

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 32.585	≤ 100	\$200.00
32.586 - 104.272	100.1 – 320.0	\$300.00
> 104.272	> 320	\$300.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

2. The fee for an application in which **storage** of water is requested, except for domestic use, shall be:

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 81.462	≤ 249.9	\$200.00
≥ 81.463	≥ 250	\$200.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for **waterpower** or **dewatering** use shall be \$100.00 plus \$200.00 for each 44,880 gallons per minute (100 c.f.s.), or part thereof, of the diversion rate requested.

IMPORTANT NOTICE

If this application is approved, the applicant shall notify the Chief Engineer when the diversion works (well, pump, reservoir, pit, etc.) has/have been completed via the *Notice of Completion of Diversion Works* form (DWR 1-203.11) and along with the statutorily required field inspection fee of:

- \$200.00 for sediment control use or groundwater pits for industrial use, or
- \$400.00 for all other uses made of water

Failure to complete the diversion works by the deadline specified in the *Approval of Application and Permit to Proceed* (or any subsequent extension of time of said deadline) and/or failure to submit the proper notice and field inspection fee will result in the dismissal of the appropriation and forfeiture of any priority associated with it.

For assistance with this application, please contact the Division of Water Resources (DWR).

Manhattan HQ
1320 Research Park Dr.
Manhattan, KS 66502
785-564-6638

Topeka Field Office
1131 SW Winding Rd, Ste 400
Topeka, KS 66615
785-296-5733

Stafford Field Office
300 S. Main St
Stafford, KS 67578
620-234-5311

Stockton Field Office
820 S. Walnut
Stockton, KS 67669
785-425-6787

Garden City Field Office
4532 W. Jones Ave, Ste B
Garden City, KS 67846
620-276-2901

Helpful Sources of Information

DWR Water Appropriation Program
DWR Water Appropriation Forms
KGS Water Well Completion Records
DWR Structures Program

<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation>
<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-appropriation-forms>
<https://www.kgs.ku.edu/Magellan/WaterWell/index.html>
<https://agriculture.ks.gov/divisions-programs/dwr/dam-safety/permit-requirements>

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Darrell Wood

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: Wood, Darrell N & Natalie D Rev Trust

ADDRESS: 1983 260th Ave Lewis KS, 67552

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
33	24S	16W													32.5	32.5	32.5	32.5	130

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 29 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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

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

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

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:

ii. For sprinkler systems:

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

(2) What is the sprinkler package design rate? _____ 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? _____ feet

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

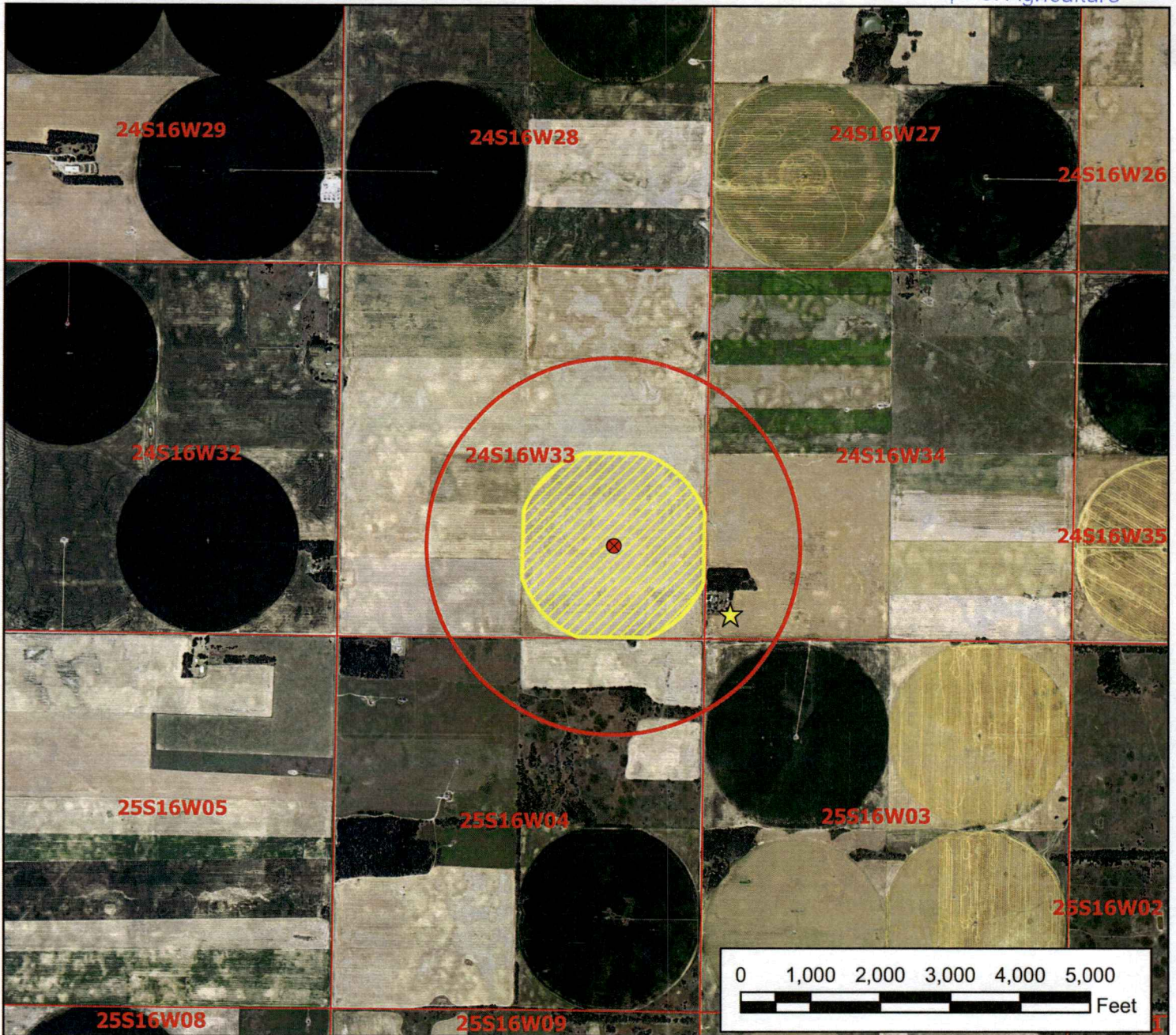
e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

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).

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

JUL 29 2024

KS Dept. of Agriculture



Legend

- Water Appropriation
- Proposed Point of Diversion
- Domestic Well
- Section Corner
- Section Line
- Half Mile Circle
- Place of Use

Application for water appropriation

**Point of Diversion Map
33-24S-16W // Edwards County**



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

Signature / Date

07/22/2024 DKB/SFFO 1:25,000 scale

K.A.R. 5-25-22 Evaluation

Proposed Location: NC SE 33-24S-16W @ 1320'N, 1320'W from SE corner

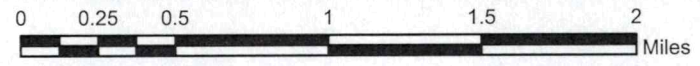
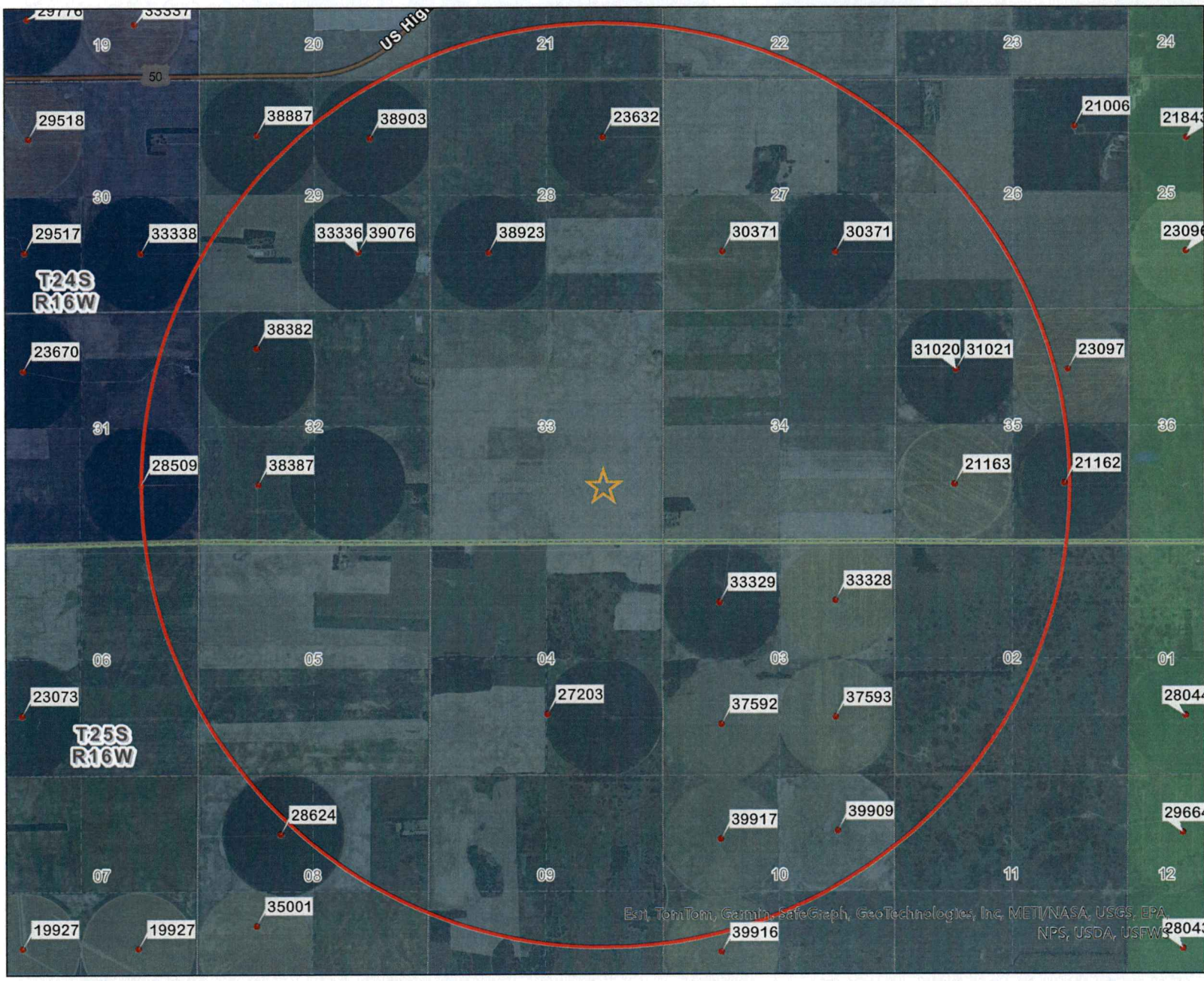
Legend

- Point of Diversion**
- ★ G_IND
 - G_IRR
 - ▲ G_MUN
 - ▬ G_REC
 - * Streamflow Node

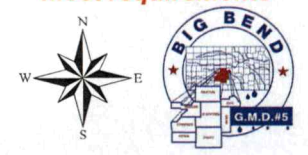
- Response Zone**
- < 10.00 %
 - 10.01 - 20.00 %
 - 20.01 - 30.00 %
 - 30.01 - 40.00 %
 - 40.01 - 50.00 %
 - 50.01 - 60.00 %
 - 60.01 - 70.00 %
 - 70.01 - 80.00 %
 - > 80.01 %

K.A.R. 5-25-22 Criteria

- Response Difference
43.62 - 14.07 % = **29.55 %**
- Saturated Thickness
142.9 ft
- Water Level Change
23 ft = 1.12 %
- Authorized Quantity
3,544 AF
- Compliance Check
Does not meet requirements



This map was created by WIMAS on 7/17/2024 11:58 AM



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

DARRELL WOOD
1983 260TH AVE
LEWIS KS 67552

RE: Application, File No(s). **51277**

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

JUL 29 2024

File No. _____

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.

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 CP/124 * NC quarter of the SE quarter of Section 33, more particularly described as being near a point 1351 feet North and 1345 feet West of the Southeast corner of said section, in Township 24 South, Range 16 E W, Edwards County, KS. A.K.A: _____
- (B) 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: _____
- (C) 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: _____
- (D) 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: _____
- (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 1 well, 1 pump, 1 center pivot system
(number of wells, pumps, dams, etc.)
 and was/will be completed on or by the following date: ASAP after approval
(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 2025 irrigation season
(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.
38136 has a voluntary dismissal pending the approval of this application in accordance
with KAR 5-25-22, Rattlesnake creek offset

JUL 29 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: **request 60 days to provide test log**

Well location as shown in Item No. 5	(A)	(B)	(C)	(D)	(E)
Date drilled	9/9/24	_____	_____	_____	_____
Total depth of well	~95'	_____	_____	_____	_____
Depth to static water level	~30'	_____	_____	_____	_____

*
CPC 9/18/24

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

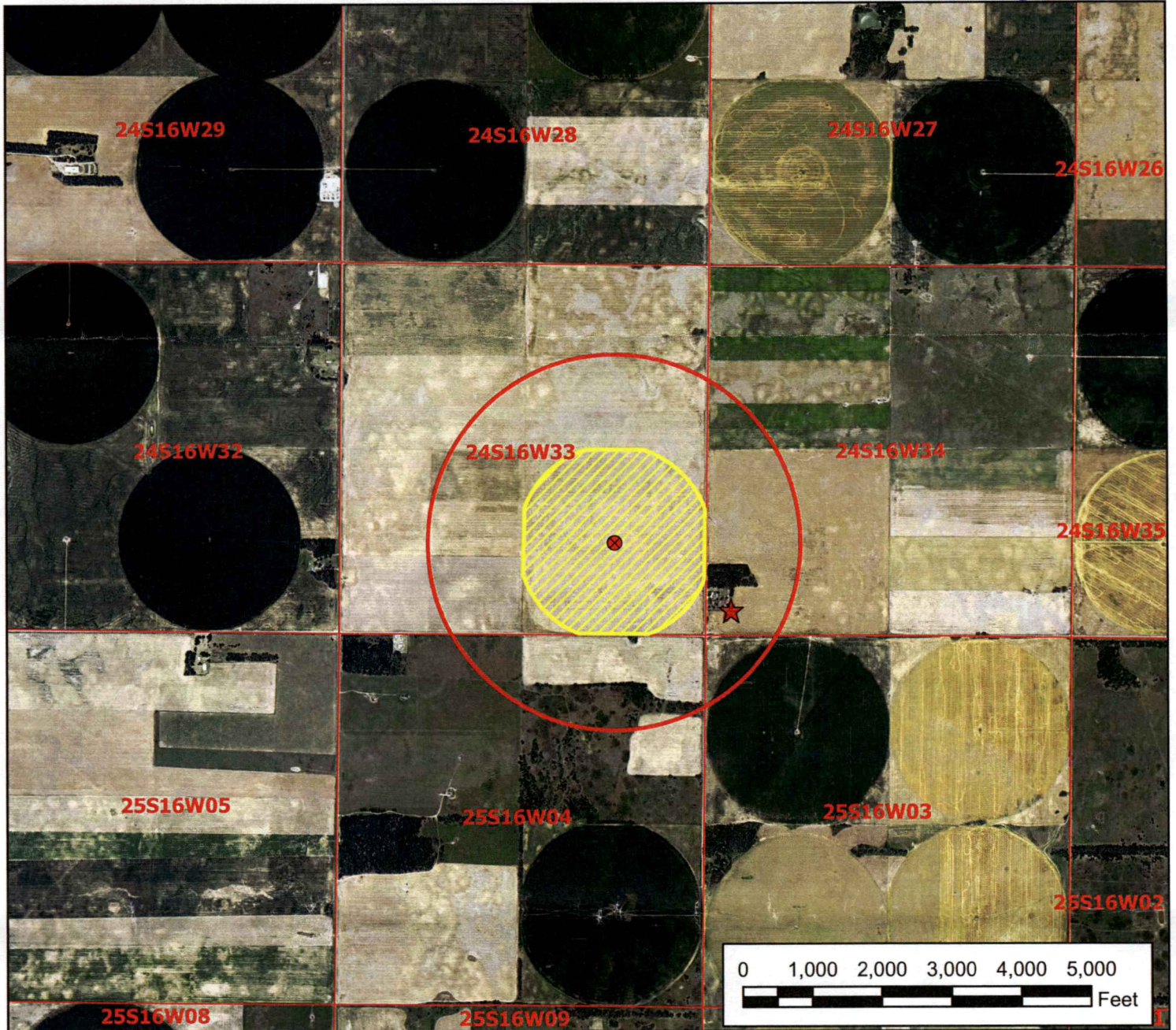
Wood, Darrell N & Natalie D Rev Trust, 1983 260th Ave Lewis, KS 67552 620-546-3429

(name, address, and phone)








(name, address, and phone)

JUL 29 2024

KS Dept. of Agriculture



Legend

-  Water Appropriation
-  Proposed Point of Diversion
-  Domestic Well
-  Section Corner
-  Section Line
-  Half Mile Circle
-  Place of Use

Application for water appropriation

Point of Diversion Map 33-24S-16W // Edwards County



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

Signature / Date

** Arturo Dominguez*
1286 280 Avenue
Bellevue, KS 67519
07/22/2024

07/22/2024 DKB/SFFO 1:25,000 scale

INPUTS	
Target Section Definition	
Section	33
Township	24
Range	16
Range Direction	w
Target Point Coordinates (<i>NAD27</i> or <i>NAD83</i>)	
Target Longitude	-99.081980
Target Latitude	37.916400

Load Data and Compute

Instructions

1. Enter values for section, township, range and range direction.
2. Enter *NAD27* or *NAD83* longitude and latitude of target point.
3. Click "Load Data and Compute" button.
4. Use feet distances corresponding to datum of target point.

PROPOSED NEW WELL PER
KAR 5-25-22

Data collected in NAD 83

Loaded Section Data From LEOBASE using <i>NAD83</i>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.91268966	-99.09564357
NW	37.92733771	-99.09567341
NE	37.92729262	-99.07727061
SE	37.91268966	-99.07731688
Degrees Longitude per Foot		3.46639488E-06
Degrees Latitude per Foot		2.74612955E-06
Target Point Distances from Corners using <i>NAD83</i>		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	1351	-3942
NW	-3983	-3950
NE	-3967	1359
SE	1351	1345

Loaded Section Data From LEOBASE using <i>NAD27</i>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.91267400	-99.09526100
NW	37.92732200	-99.09529100
NE	37.92727700	-99.07688900
SE	37.91267400	-99.07693500
Degrees Longitude per Foot		3.46639414E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using <i>NAD27</i>		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	1357	-3831
NW	-3977	-3840
NE	-3961	1469
SE	1357	1455

DRILLER'S TEST LOG

Customer Name: Darrell Wood Date: 9/9/2024
 Address: _____ Test No: #1-24
 County: Edwards Quarter: SE Section: 33 Township: 24 Range: 16

Drilled Footage		Description of Strata	Indicate Test Location by an X			
From	To					
0	3	Sandy top soil				
3	30	Soft sandy clay w/ caliche				
30	38	Light gray clay				
38	45	Tan clay w/ gravel embedded				
45	90	Sand & gravel- small, med to pea size, clean, coarse				
90	95	Gray clay				
95	130	Tan clay				
130	139	Gray clay			X	
139	150	Gray & tan clay w/ fine to small gravel				
150	158	Sand & gravel - small, med, clean				
158	165	Brown & tan clay				
165	170	Brown & tan clay w/ small, med gravel mixed 50/50	Static Water Level: <u>30</u> Ft			
			Remarks: <u>Set 100ft of casing.</u>			
170	175	Sand & gravel - small to med, clean				
175	178	Dakota drift - clean				
178	180	Green shale				
			Garmin GPS: NAD 83			
			Latitude: 37.91640 N			
			Longitude: 99.08198 W			
			Elevation:			
			Driller: <u>Luis Luna</u>			
			Spot Location: <u>SE/ SE/ NW/ SE</u>			

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
 Telephone (620) 792-2488 or (620) 793-5512
 P.O. Box 713, Great Bend, KS 67530