

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

SEP 16 2024

14:25

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: **51317**

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

1. Name of Applicant: Clay Haring  
Address: PO Box 444  
City: Lincoln State: KS Zip Code: 67455  
Phone: 785-275-2900 Email: n1008y@yahoo.com

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
 groundwater in Saline River (drainage basin)

3. The maximum annual quantity of water desired is 206  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                  | <u>3</u>   | GMD    | -          | DUA  | - | Use          | <u>IRR</u>     |
| Code                | <u>REL</u> | Fee \$ | <u>300</u> | TR # |   | Source       | <u>GW</u>      |
|                     |            |        |            |      |   | County       | <u>LC</u>      |
|                     |            |        |            |      |   | By           | <u>KJN</u>     |
|                     |            |        |            |      |   | Date         | <u>9/17/24</u> |
|                     |            |        |            |      |   | Receipt Date | <u>9-16-24</u> |
|                     |            |        |            |      |   | Check #      | <u>1511</u>    |

60 DAYS TO LOCATE\*

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KS Dept. of Agriculture

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

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.

Edits via map included w/ app

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.

9/17/2024 KJN

11/18/2024 BMM

(A) One in the NE quarter of the NE quarter of the SW quarter of Section 8<sup>10</sup>, more particularly described as being near a point 2517 feet North and 3175 feet West of the Southeast corner of said section, in Township 10<sup>12</sup> South, Range 12<sup>8</sup> E W, Lincoln County, KS. A.K.A: 60 days to locate

PLACEHOLDERS: 1320 ft N 3960 ft W

(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 battery of 4 wells  
(number of wells, pumps, dams, etc.)  
and was/will be completed on or by the following date: 12/31/2025  
(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  
(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.

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

SEP 16 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)   |
|--------------------------------------|-------|-------|-------|-------|-------|
| 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:

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

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

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

14. The owner(s) of the property where the water is used, if other than the applicant, is:

\_\_\_\_\_  
(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:

\_\_\_\_\_  
(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.

*Clay Haring*  
(Applicant Signature)

8-30-24  
(Date)

Clay Haring  
(Applicant Name – please print)

Owner  
(Applicant Title, if applicable – please print)

Assisted by jkb

STK FO/Env Sci  
(office/title)

Date: 8/26/2024

## 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<br>plus \$20 for each additional 100AF<br>(32.586mg) or any part thereof |

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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<br>plus \$20 for each additional 100AF<br>(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>

**IRRIGATION USE  
SUPPLEMENTAL SHEET**

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

KS Dept. of Agriculture

Name of Applicant (Please Print): Clay Haring

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 R Panzer Living Trust

ADDRESS: Attn: TERESA R BERTHELSON 1890 E NAVAJO DR LINCOLN, KS 67455-8927

| S  | T  | R  | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |      | SE¼  |    |    |    | TOTAL |     |
|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|------|------|----|----|----|-------|-----|
|    |    |    | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE   | NE   | NW | SW | SE |       |     |
| 10 | 12 | 8w |     |    |    |    |     |    |    |    |     | 40 | 40 | 39.5 | 39.5 |    |    |    |       | 159 |
|    |    |    |     |    |    |    |     |    |    |    |     |    |    |      |      |    |    |    |       |     |
|    |    |    |     |    |    |    |     |    |    |    |     |    |    |      |      |    |    |    |       |     |

**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 |       |  |
|   |   |   |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |  |
|   |   |   |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |  |
|   |   |   |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |  |

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.

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KS Dept. of Agriculture

New Application, File No. \_\_\_\_\_  
Assisted by Division of Water Resources  
Stockton Field Office



+ Section Corners

Signature Required

1:24,000



Proposed Place of Use



Requesting 60 Days to Locate PD

To the best of my knowledge all wells, including domestic wells, within 1/2 mile of the proposed point of diversion are identified on this map.



Date: 8/26/2024



# Aerial Map



Boundary Center: 39° 1' 9.58, -98° 12' 9.62

0ft 897ft 1793ft

10-12S-8W  
Lincoln County  
Kansas



8/29/2024

Maps Provided By:  
**surety**  
CUSTOMIZED ONLINE MAPPING  
© AgriData, Inc. 2023 www.AgridataInc.com

Field borders provided by Farm Service Agency as of 5/21/2008.

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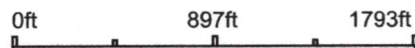
SEP 16 2024

KS Dept. of Agriculture

# Aerial Map



Map Center: 39° 1' 16.41, -98° 11' 53.49



**10-12S-8W**  
**Lincoln County**  
**Kansas**



8/29/2024

Maps Provided By:  
  
CUSTOMIZED ONLINE MAPPING  
© AgriData, Inc. 2023 www.AgridataInc.com

Field borders provided by Farm Service Agency as of 5/21/2008.

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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

September 27, 2024

CLAY HARING  
PO BOX 444  
LINCOLN KS 67455

RE: Application, File No(s). **51317**

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 Stockton Field Office at 785-425-6787. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Kris Neuhauser". The signature is written in a cursive style with a long horizontal flourish at the end.

Kris Neuhauser  
New Applications Lead  
Water Appropriation Program

SEP 16 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)   |
|--------------------------------------|----------|-------|-------|-------|-------|
| Date drilled                         | 10-29-24 | _____ | _____ | _____ | _____ |
| Total depth of well                  | 45       | _____ | _____ | _____ | _____ |
| Depth to static water level          | 22       | _____ | _____ | _____ | _____ |

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

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

SEP 16 2024

KS Dept. of Agriculture

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

14. The owner(s) of the property where the water is used, if other than the applicant, is:

\_\_\_\_\_  
(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:

\_\_\_\_\_  
(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.

*Clay Haring*  
(Applicant Signature)

8-30-24  
(Date)

Clay Haring  
(Applicant Name - please print)

Owner  
(Applicant Title, if applicable - please print)

Assisted by jkb

STK FO/Env Sci  
(office/title)

Date: 8/26/2024

Aerial Map

Drilled 10-29-24  
Lat 39.022848  
Long -98.199776



Boundary Center: 39° 1' 20.34, -98° 11' 56.25



10-12S-8W  
Lincoln County  
Kansas

Maps Provided By:  
**surety**  
CUSTOMIZED ONLINE MAPPING  
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Field borders provided by Farm Service Agency as of 5/21/2008.

11/13/2024

WATER RESOURCES  
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NOV 15 2024

KS DEPT OF AGRICULTURE

**WATER WELL RECORD (WWC-5)**

**DRAFT** Constructed

KOLAR DOC ID 1802705 WELL ID \_\_\_\_\_

Original Record  Correction  Change in Well Use

**LOCATION OF WATER WELL**

|          |           |           |            |         |         |          |    |       |   |   |          |                |
|----------|-----------|-----------|------------|---------|---------|----------|----|-------|---|---|----------|----------------|
| Latitude | 39.022848 | Longitude | -98.199776 | Section | 10      | Township | 12 | Range | 8 | <input type="checkbox"/> E<br><input checked="" type="checkbox"/> W | Fraction | NE ¼ NE ¼ SW ¼ |
| Datum    | NAD83     | Elevation | 1376       | County  | Lincoln |          |    |       |   |   |          |                |

**WATER WELL OWNER**

|   |  |
|---|--|
| Name  | Clay Haring  |
| Business                                    |  |
| Address                                     | PO Box 444<br>Lincoln KS 67455   |
| Well location                               | ~1/2mi N & 2/5mi E of N<br>160th Rd & E Kiowa Dr / 2<br>3/4mi WSW of Lincoln |
| <input type="checkbox"/> at owner's address |  |

**WELL WATER USE**

Domestic Livestock/Pasture

**COMPLETION**

Depth of completed well: 45 ft.  
 Depth(s) groundwater encountered:  
 (1) \_\_\_\_\_ ft.; (2) \_\_\_\_\_ ft.;  
 (3) \_\_\_\_\_ ft.; (4)  dry well

Static water level in well: 22 ft.  
 measured below land surface on (mm/dd/yy): 10/29/2024  
 measured above land surface on (mm/dd/yy): \_\_\_\_\_

Estimated yield: 150 gpm  
 Water level was: \_\_\_\_\_ ft. after \_\_\_\_\_ hours  
 pumping \_\_\_\_\_ gpm

Pump installed?  Yes  No

Water well disinfected?  Yes  No  
 Date disinfected (mm/dd/yy): 10/29/2024

Aquifer, if known: \_\_\_\_\_

**NEAREST SOURCE OF POTENTIAL CONTAMINATION**

Source: \_\_\_\_\_  
 Distance from well: \_\_\_\_\_ Direction from well: \_\_\_\_\_  
 Source description: \_\_\_\_\_

Source: \_\_\_\_\_  
 Distance from well: \_\_\_\_\_ Direction from well: \_\_\_\_\_  
 Source description: \_\_\_\_\_

No potential source of contamination within 100 feet.

**CONSTRUCTION**

Borehole interval: from 0 to 45 ft. Borehole diameter: 10 in.  
 from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ in.

Casing height above land surface: 12 in.  
 If casing height is less than 12 in. has a variance been approved?\*  Yes  No  
 \*variance not required for monitoring or environmental remediation wells

Casing type: ThermalPlastic

Blank casing interval: 0 ft. to 35 ft.  
 Blank casing diameter: 6 in.  
 Casing joints: Glued  
 Weight: \_\_\_\_\_ lbs/ft.  
 Wall thickness or gauge no.: .255

Blank casing interval: \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Blank casing diameter: \_\_\_\_\_ in.  
 Casing joints: \_\_\_\_\_  
 Weight: \_\_\_\_\_ lbs/ft.  
 Wall thickness or gauge no.: \_\_\_\_\_

Grout interval: 0 ft. to 20 ft.  
 Grout material: Bentonite  
 Grout interval: \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Grout material: \_\_\_\_\_

Screen / perforation material: PVC  
 Screen / perforation openings: Mill slot  
 Screen / perforation intervals:  
 From 35 ft. to 45 ft.  
 Slot size .035 unit inches  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Slot size \_\_\_\_\_ unit \_\_\_\_\_

Gravel pack intervals:  
 Gravel pack not used:  Gravel size \_\_\_\_\_ in  
 From 20 ft. to 45 ft.  
 Gravel pack not used:  Gravel size \_\_\_\_\_ in  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**LITHOLOGIC LOG**

| FROM | TO | LITHOLOGY INTERVALS                                 |
|------|----|---|
| 0    | 3  | topsoil   |
| 3    | 20 | clay  |
| 20   | 48 | sand, medium to coarse                              |
| 48   | 55 | sandstone, moderately weathered                     |
| 55   | 60 | shale, moderately weathered, w/ sandstone mix 50/50 |

**COMMENTS**

\_\_\_\_\_

**CONTRACTOR'S OR LANDOWNERS CERTIFICATION**

This water well was constructed  reconstructed  pursuant to the stated water well contractor's license and was completed on 10/29/2024. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on \_\_\_\_\_ under the business name of 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

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NOV 15 2024

IRRIGATION TEST WELL

KS DEPT OF AGRICULTURE

Driller & Assistant: Logan and Gary Date: 10/28/2024

CUSTOMER: Clay Haring PHONE #: 785-275-2900

MAIL ADDRESS: PO Box 444 Lincoln, KS 67

DRILL LOCATION: ~ 1/4 mi NE of N 1160<sup>th</sup> Rd + E Kiowa Dr.

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

2 3/4 mi WSW of Lincoln

| Depth:  | Formation:                | Well Information:            |
|---------|---------------------------|------------------------------|
| 0-3'    | top soil                  | Static Water Level: 20'      |
| 3'-12'  | clay                      | Groundwater depth:           |
| 12'-26' | sand medium               | Est. Production: 100-200 gpm |
| 26'-30' | sand with 10 percent clay | Casing Size/Depth: 0-40'     |
| 30'-52' | sand fine                 |                              |
| 52'-60' | sandstone medium hardness | Screen Size/Depth: 40-60'    |
|         |                           | 1"                           |
|         |                           | Slot Size: sawcut            |
|         |                           | Grouting Depth: 0-22'        |
|         |                           | Number of Bags: 5            |
|         |                           | Sucker Rods: ———             |
|         |                           | 1" Casing: ———               |
|         |                           | Nearest Contamination: None  |
|         |                           | Notes:                       |

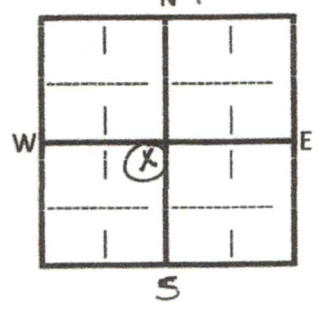
Latitude: 39.02286 N decimal degrees (ex. 38.881796)

Longitude -98.198249 W decimal degrees (ex. 95.373889)

Datum:  NAD27  NAD83  WGS84

Elevation: 1375 ft.

|                |      |        |        |        |
|----------------|------|--------|--------|--------|
| 1              | 1/4  | NE 1/4 | NE 1/4 | SW 1/4 |
| Sec. 10        | T 12 | R 8    | (W)    |        |
| County Lincoln |      |        |        |        |



Permit #: \_\_\_\_\_  
WWCS #: \_\_\_\_\_

|                              |                              |  |
|------------------------------|------------------------------|--|
| \$                           | /ft. Well                    |  |
| \$                           | /Grout                       |  |
| \$                           | /Permit Charge               |  |
| \$                           | /Submersible Pump            |  |
| \$                           | /Dirt & Debris Removal       |  |
| \$                           | /Water Sample / Test Pumping |  |
| \$                           | /Mobilization/Travel         |  |
| \$                           | /Discount                    |  |
| Contract Received: 10-3-2024 |                              |  |

Invoice #: \_\_\_\_\_  
Date Mailed: \_\_\_\_\_  
Well Data: \_\_\_\_\_ Access: \_\_\_\_\_ Scan: \_\_\_\_\_  
Materials: \_\_\_\_\_ Incent: \_\_\_\_\_





1000 Corey Road  
 P.O. Box 886  
 Hutchinson, KS 67504-0886  
 620-665-5661  
 FAX: 620-665-0559  
 TOLL FREE: 877-464-0623  
 www.sdklabs.com

Sample # 5466.24  
 Sample: Water  
 Other ID: Sampled by Logan McNett Haring - NW 6"

Date Received: 11/01/2024  
 Date/Time Sampled: 10/29/2024 13:00:00  
 Date Reported: 11/05/2024  
 Total Fee: \$55.00

PETERSON MCNETT DRILLING  
 PO BOX 207  
 LINDSBORG, KS 67456

ANALYSIS

|   | Result            | Units    | Date/Time Analyzed | Analyst |
|---|-------------------|----------|--------------------|---------|
| ++pH - SM 4500-H+ B                     | 6.64              | s.u.     | 11/1/2024 14:47    | NB      |
| ++Chloride - SM 4500-Cl B               | 197.00            | mg/L     | 11/4/2024 12:35    | SE      |
| ++Total Hardness - SM 2340B             | 679               | mg/L     |                    |         |
| ++Nitrate-Nitrogen - SM 4500-NO3 D      | 17.8              | mg/L     | 11/1/2024 16:20    | KW      |
| ++Calcium - SM 3111B                    | 237.00            | mg/L     | 11/4/2024 09:00    | JC      |
| ++Magnesium - SM 3111B                  | 21.10             | mg/L     | 11/4/2024 09:00    | JC      |
| ++Sodium - SM 3111B                     | 74.40             | mg/L     | 11/4/2024 09:00    | JC      |
| ++Sulfate - SM 4500 SO4 E               | 202.00            | mg/L     | 11/4/2024 08:00    | SE      |
| % Sodium                                | 22.4              | %        |                    |         |
| SAR-Sodium Absorption Ratio             | 1.240             | s.u.     |                    |         |
| ++Electrical Conductivity - SM 2510B    | 1650              | umhos/cm | 11/4/2024 11:10    | SE      |
| TDS-Total Dissolved Solids - Calculated | 1170              | mg/L     |                    |         |
| Irrigation Quality Rating               | AS FOLLOWS        |          |                    |         |
| Light Soil -Salinity Hazard             | Medium            |          |                    |         |
| Light Soil - Sodium Hazard              | Low               |          |                    |         |
| Medium Soil -Salinity Hazard            | Medium            |          |                    |         |
| Medium Soil -Sodium Hazard              | Medium            |          |                    |         |
| Heavy Soil -Salinity Hazard             | Medium            |          |                    |         |
| Heavy Soil -Sodium Hazard               | Medium            |          |                    |         |
| General Comment:                        | Good to Permissib |          |                    |         |

\*\*Sample receipt temperature = 14.0 degrees C.  
 \*\*Sample beyond hold time for pH.  
 \* Analysis was subcontracted to another laboratory for state compliance - see attached.  
 ++Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.  
 Methods of analysis per EPA-800 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

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Approved By:  Quality Assurance Officer

Matt Rogan



Copies:

The results reported pertain only to the samples as received by the laboratory



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PETERSON MCNETT DRILLING  
 PO BOX 207  
 LINDSBORG, KS 67456

ANALYSIS

| Result | Units | Date/Time Analyzed | Analyst |
|--------|-------|--------------------|---------|
|--------|-------|--------------------|---------|

**SDK LABORATORIES  
 GENERAL WATER REPORT GUIDELINES**

- pH: Normal range 6.5 – 8.5 with Reverse Osmosis/Distilled Water having a range of 5.0 – 6.0.
- Chloride: Levels above 250 mg/L may cause a "salty taste". Levels above 1000 mg/L are not recommended for livestock.
- Fluoride: Levels above 2.0 mg/L are not recommended.
- Total Hardness:
  - "Soft Water": 0 – 85 mg/L (0 – 5 grains/gallon)
  - "Moderately Hard Water": 85 – 150 mg/L (5 – 9 grains/gallon)
  - "Hard Water": 150 – 300 mg/L (9 – 18 grains/gallon)
  - "Very Hard Water": 300 – 500 mg/L (18 – 30 grains/gallon)
  - Levels above 2000 mg/L are not recommended for livestock.
- Nitrate-Nitrogen:
  - Levels between 0 – 10 mg/L are acceptable.
  - Livestock Levels:
    - Levels between 20 – 40 mg/L may pose a risk to some livestock.
    - Levels above 40 mg/L are not recommended for livestock.
- Calcium and Magnesium: Cause the "Hardness" of the water.
- Sodium: Levels above 100 mg/L are considered to be high. Water softeners recharged with sodium chloride (salt) increase the sodium level.
- Sulfate: Levels above 250 mg/L may cause a mild taste and levels above 500 mg/L may cause diarrhea in both humans and livestock.
- Iron: Levels above 0.3 mg/L may cause taste, odor and staining on fixtures and laundry.
- Manganese: Levels above 0.05 mg/L may cause taste and black/grey staining on fixtures and laundry.
- Electrical Conductivity: A measurement of the conductivity of the water. Typically, the higher the electrical conductivity of the water, the higher the dissolved salts/solids.
- TDS-Total Dissolved Solids: Levels above 1000 mg/L may cause taste. Shortened water heater life may be caused by levels above 400 mg/L. Levels above 7000 mg/L are not recommended for livestock.

Source: Michael H. Bradshaw, and G. Morgan Powell, Understanding your Water Test Report, Kansas State University, October 2004  
 Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992

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Approved By:  Quality Assurance Officer

Logan McNett Haring

