

Kansas Department of Agriculture
Division of Water Resources
APPROVAL OF NEW APPLICATION WORKSHEET

1. File No.: 51,415	2. Status Change Date: 4/22/2025	4. Field Office: 02 - Stafford GMD: Structures File No.: Filing/Priority Date: 02/03/2025	
3. Associated File No(s):			
5a. <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Owner <input checked="" type="checkbox"/> WUC Person ID 69956 <input type="checkbox"/> Address Change Add Seq# CRIS RATZLAFF 1293 24TH AVE GALVA KS 67443-8848		5b. <input checked="" type="checkbox"/> Owner <input type="checkbox"/> WUC Person ID 70040 <input type="checkbox"/> Address Change Add Seq# RATZLAFF FAMILY FARMS LLC 1293 24TH AVE GALVA KS 67443-8848	
5c. <input type="checkbox"/> Owner <input type="checkbox"/> WUC Person ID <input type="checkbox"/> Address Change Add Seq#		5d. <input type="checkbox"/> Owner <input type="checkbox"/> WUC Person ID <input type="checkbox"/> Address Change Add Seq#	
6. Change No.: <input type="checkbox"/> PD <input type="checkbox"/> PU <input type="checkbox"/> UMW Base Acres: Year: Min Reasonable Q: Previous UMW: MDS Gauge: Active Admin? <input type="checkbox"/> Completion Date: 12/31/2026 Perfection Date: 12/31/2030		7. Use of Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water UMW: IND-Industrial SIC: 0252 UMW: UMW:	
8. Action Trail			
9. Special Conditions			
10. 5YR Allocation Type: Start Year: 5YR Quantity: Base Acres: Comment:			
11. Sand & Gravel Proj ID: <input type="checkbox"/> Active <input type="checkbox"/> Dredge <input type="checkbox"/> IND Evap <input type="checkbox"/> Jr Evap <input type="checkbox"/> Other Diversion <input type="checkbox"/> Rpt on Sr			
12. Waiver Rule ID: <input type="checkbox"/> New Date Requested: Applies: Rule No.: Justification: Rule Type: Rule SubType:			
Comments		Processed CCB 04/21/2025	Entered 4/22/2025 KAnderson
		Reviewed	

File No. 51,415		13. County: McPherson Basin: Little Arkansas River Stream: N/A																			
Structures File No:		Aquifer Code: 190 Equus Beds										Special Use Area:									
14. Points of Diversion, Rates & Quantities																					
PDIV		Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Qty mg		Rate gpm		Storage Qty AF		Storage Rate					
										Auth	Add	Auth	Add	Auth	Add	Auth/Add					
CHK		51541	SW NE NE	36	19S	2W	1	4543	1186	1.4655	1.4655	99	99								
15. Limitations NEW Type: Quantity: AF Rate: gpm combined with file no(s):																					
NEW Type: Quantity: AF Rate: gpm combined with file no(s):																					
16. Metering <input checked="" type="checkbox"/> Metering Required <input checked="" type="checkbox"/> Anti-Reverse Required <input checked="" type="checkbox"/> Seal Required Compliance Date: 12/31/2026																					
17. Place of Use		NE¼				NW¼				SW¼				SE¼				Total	Owner(s)	Chg?	Overlaps
PUSE S T R ID		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
																		0.00		<input type="checkbox"/>	
																		0.00		<input type="checkbox"/>	
																		0.00		<input type="checkbox"/>	
																		0.00		<input type="checkbox"/>	
CHK 72129 36 19S 2W 1		Poultry Farm located in Northeast Quarter (NE1/4)															5b		<input type="checkbox"/>		
																			<input type="checkbox"/>		
18. Point of Diversion and Place of Use Overlaps																					
* + # ^										** ++ ## ^^											

MEMORANDUM TO FILE

Division of Water Resources, Water Appropriation Program

Date: April 21, 2025

From: Colin Barclay, Environmental Scientist

Re: New Application File No. 51,409 – Cris Ratzlaff

Summary

Cris Ratzlaff has filed the above referenced applications to appropriate 1,465,500 gallons (4.498 acre-feet) of groundwater, at a rate of 99 gallons per minute. The proposed point of diversion would be a single (1) well located in Mcpherson County, Kansas. The applicant has signed the application form affirming legal access to the point of diversion. The proposed place of use would be a planned poultry farm.

Reasonable Rate and Quantity

The quantity of water requested is 1,465,500 gallons or 4.498 acre-feet per year at a rate of 99 gallons per minute for industrial use purposes. The example given on the supplemental material indicated they would be creating a chicken and egg poultry farm with an estimated capacity of 20,000 hens. The quantity requested appears reasonable as per K.A.R. 5-3-22. In addition, the applicant has requested additional quantity for “Daily operation, cooling, and cleaning.” As the planned poultry farm would be considered as a “wet barn” that would include misters for cooling the chickens.

As per K.A.R. 5-3-22. Maximum reasonable quantity is defined as 9 gallons per 100 hens plus an additional 200 gallons for servicing/flushing.

$20,000 \text{ hens} / 100 \text{ hens} = 200$

$200 \times 9 \text{ gallons per day} = 1,800 \text{ gallons per day}$

$1,800 \text{ gallons per day} \times 365 \text{ days} = 657,000 \text{ gallons per year}$ for stock watering. This leaves 808,500 gallons for servicing and flushing. Which would be 2,215 gallons per day. This quantity appears reasonable for the proposed use.

Source of Supply and Safe Yield

The source of supply appears to be the Equus Beds. Groundwater Management District #2 has reviewed the application and made the determination that the application complies with the Districts Rules and Regulations K.A.R. 5-22-1 through 5-22-17. The application meets the district’s safe yield requirements as per K.A.R. 5-22-7.

Nearby Water Rights

No appropriated wells were found to be within a half mile of the proposed point of diversion. Eleven (11) domestic wells were found to be within one-half ($\frac{1}{2}$) mile of the proposed point of diversion. The nearest prior appropriated well (File No. 18,756) was found to be ~1.75 miles away. The nearest domestic well was found to be roughly ~930 feet away and is the applicants own domestic well. Three (3) comments were received from some of the nearby well-owners that were notified. The major concern appears to be the impact the application may have on the nearby domestic wells and if the aquifer can support a commercial extraction. The application complies with K.A.R. 5-22-2 and there appears to be adequate spacing to prevent impairment.

Recommendations

The application was sent to Tim Boese, Manager of the Equus Beds Groundwater Management District No. 2 and was recommended for approval in a letter dated April 17, 2025. The application complies with all district rules and regulations.

The application was sent to Jeff Lanterman, Water Commissioner of the Stafford Field Office, and was recommended for approval in an email dated April 21, 2025.

The application complies with all regulations concerning reasonable quantity, safe yield, and minimum well spacing requirements. The proposed applications are subject to minimum desirable streamflow requirements. Approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest. Therefore, it is recommended that the referenced application be approved.

A handwritten signature in black ink that reads "Colin Barclay". The signature is written in a cursive, slightly slanted style.

Colin Barclay
Environmental Scientist
Water Appropriation Program

DALE SCHMIDT, PRESIDENT
VIN KISSICK, VICE PRESIDENT
DAVID BOGNER, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
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GARY JANZEN
JAKE MARTIN
DAVID STROBERG

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org

April 17, 2025

Chief Engineer, Division of Water Resources
Attn: Colin Barclay
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Appropriation Application No. 51415 – Cris Ratzlaff

Dear Mr. Barclay:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced new appropriation application on April 17 2025, using the District's Revised Management Program (effective May 1, 1995), and Rules and Regulations K.A.R. 5-22-1 through 5-22-17.

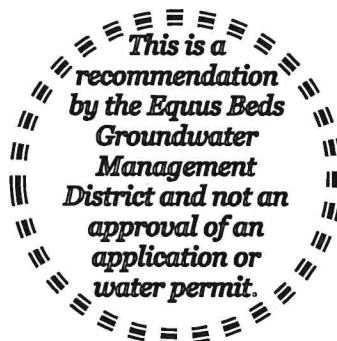
The District's review found that new application complies with the Revised Aquifer Management Program and with the District's Rules and Regulations K.A.R. 5-22-1 through 5-22-17. The review also found that the aquifer has limited saturated thickness at the proposed point of diversion location and may not yield at the proposed rate and quantity.

Based upon the review, the new application is recommended for approval by the Equus Beds Groundwater Management District No. 2, subject to the Division of Water Resources determining if any additional testing and evaluation is needed to determine the aquifer's yield capability at the proposed location.

A District decision may be appealed to the District Board of Directors by submitting a written petition to the District office within 30 days from the date of this notification, pursuant to K.A.R. 5-22-12.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/BLB
Enclosures



pc: Ratzlaff Family Farms, LLC, Attn: Cris Ratzlaff, Applicant & Owner
Thomas & Jessica Koehn, Nearby Domestic Well Owners
Aaron & Lynn Nightingale, Nearby Domestic Well Owners
Jeff Lanterman, Division of Water Resources, Stafford

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

FINAL APPLICATION REVIEW CHECKLIST

1) Application No. <u>51415</u>	Date filed: <u>February 03, 2025</u>
2) Applicant: <u>Cris Ratzlaff</u>	County: <u>McPherson</u>
3) Proposed maximum quantity: <u>4.498</u> acre-feet/year	Rate: <u>99</u> GPM
4) Proposed Use: <u>Industrial</u>	
5) P/D location: <u>SW-NE-NE</u> <u>36-19S-2W</u>	Geo Center: North <u>4543</u> ft, West <u>1186</u> ft
6) Number and type of points of diversion listed on the application	<u>1 Well</u>

7) Meter required K.A.R. 5-22-4a or K.A.R. 5-22-8? ☒ Yes ☐ No, Why _____

8) Meets Safe Yield K.A.R. 5-22-7? ☒ Yes ☐ No ☐ N/A

(a) Total allowable appropriations: 955.58 af/yr
(b) Total existing appropriations: 502.54 af/yr
(c) Total small user exemptions: 0.00 af/yr
(d) Total non-consumptive use: 0.00 af/yr
(e) Total consumptive use: 502.54 af/yr
(Total existing appropriations) – (Total non-consumptive use)
(f) exempt from regulation? ☐ Yes ☒ No,
Cite exemption: _____

9) Meets Well Spacing K.A.R. 5-22-2? ☒ Yes ☐ No ☐ N/A

(a) POD in enhanced well spacing area? ☐ Yes ☒ No
(b) Domestic well spacing interval: >660 ft
(c) Non-Domestic well spacing interval: >1320 ft

10) Meets Max Reasonable Quantity K.A.R. 5-22-14? ☒ Yes ☐ No ☐ N/A

(a) Irrigation max quantity: _____ acre-feet / acre
application paragraph 3 value (acre-feet) / proposed acres = Q
(b) Stockwater max quantity: _____ GPD _____ unit
(c) Industry max quantity: N/A Acre
Industry standard: 9 gallons per 100 hens plus additional quantity for daily operations
(d) Municipal max quantity: _____ GCD
Lesser of either 200 GCD or
 $1.10 * (X - Y) * 365 d * (z + t)$
X - Average of last three years usage in Gallons per Capita per Day (GCD)
Y - water usage for industries that use over 200,000 gal/yr (GCD)
Z - Projected population in 20 years
T - Reasonable projected water use for industries that use over 200,000 gallons per year (GCD)
(e) Pond max quantity is _____
(Net evap + seepage)/12 x pond area + any initial fill
(f) Groundwater pit max Q: _____
Net evap * pit area/12

11) Reasonable rate for intended use? ☒ Yes ☐ No ☐ N/A

12) Depth to water: 18.64 ft on 1/3/25 bls at observation well: AN 190 ~ 4.15 miles SE

13) Date reviewed: 4/17/2025

14) Reviewed by: B. Barton Title: Hydrogeologist

15) District recommendation: ☒ Approve ☐ Deny ☐ Other, see comment

Renewed 4-17-25
T. Barton

16) Comments and Calculations:

Review completed for new app submitted by Cris Ratzlaff for one well for 4.498 AF at 99 GPM for industrial use on a Chicken Farm Operation in McPherson County. Two nearby domestic well owners (KoeHN and Nightingale) submitted written responses with concerns/ opposition to the application due to limited aquifer and potential impacts to their shallow domestic wells. DWR also received call from Connor Davis, who was not originally notified by DWR. Davis did not submit written comments.

Item #8 - Meets safe yield - area is under appropriated by 453.04 acre-feet with this app.

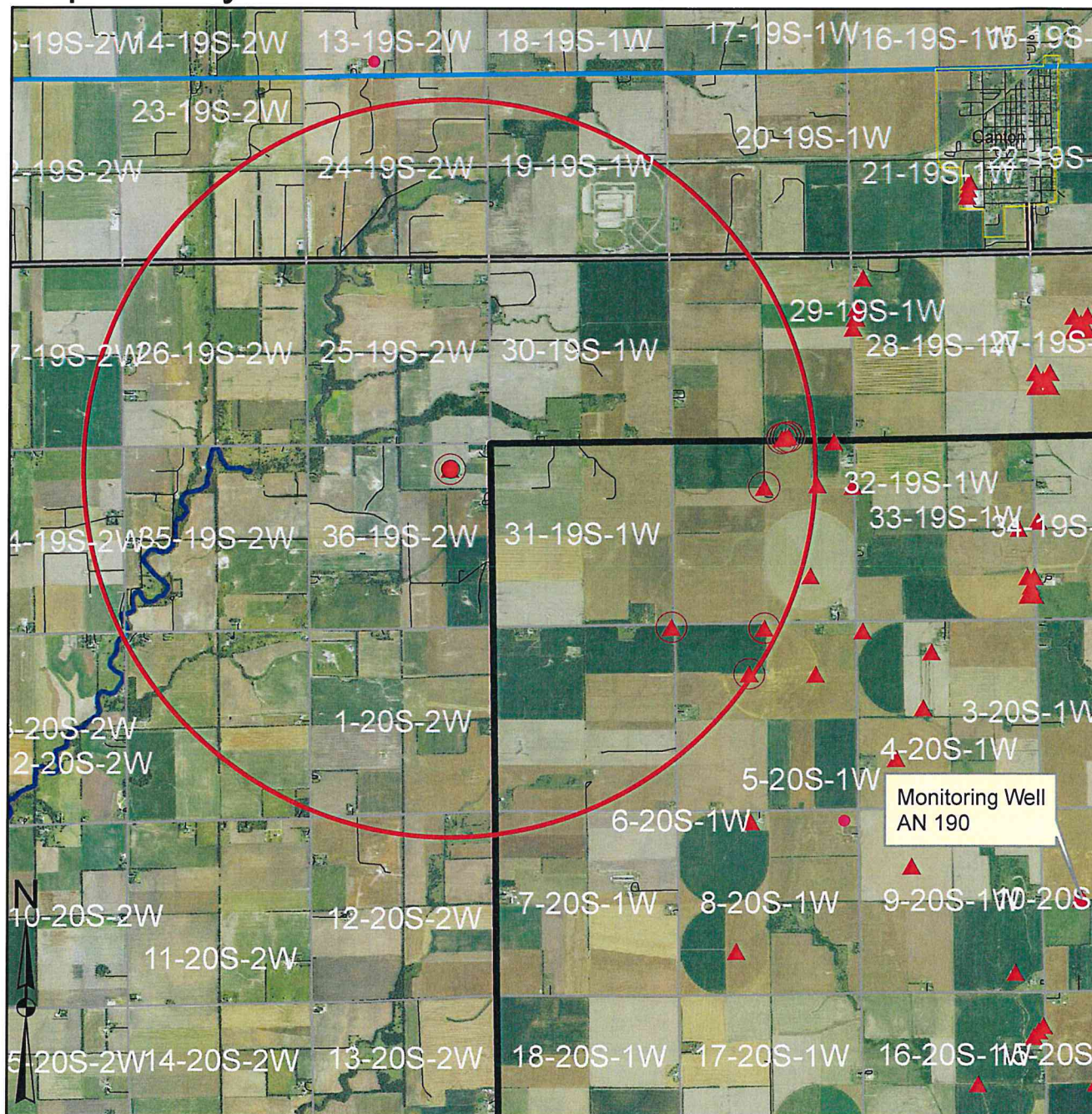
Item #9 - Complies with well spacing requirements of 660 ft to domestic wells and 1320 ft to permitted wells for a single well.

Item #10(c) - 4.498 acre-feet for 20,000 hens chicken farm operation in McPherson Co., 9 gallons per day per 100 hens plus additional quantity for daily operations cooling and cleaning. 20,000 hens at 9 gallons/100 hens = 1,800 gallons per day x 365 days = ~2.02 AF/yr plus additional quantity for daily operations = 4.498 AF/yr, seems reasonable for this industrial use of chicken farm.

Water quality in this area is unknown due to lack of monitoring wells in the area. Water levels appear decreasing slightly but nearest monitoring well is ~ 4.15 miles away. Note: No test log submitted with app, review of domestic wells in the area, including applicant's nearby domestic well, indicates minimum saturated thickness of sands approximately 10-15 ft. Aquifer may not yield at proposed rate and quantity.

Recommend approval, complies with K.A.R. 5-22-1 through 5-22-17, with note that additional testing and evaluation may be needed to determine the aquifer's yield at the proposed PD and potential impacts to nearby senior domestic well owners.

Equus Beds Groundwater Management District No. 2
 Safe Yield Evaluation - New App # 51415 - Cris Ratzlaff
 SW-NE-NE (4543'N & 1186'W) 36-19S-02W, McPherson Co.
 Prepared By: B. Barton Date: 4/1/2025



Map Legend

- | | | |
|--|---|-----------------------|
| ● Proposed Point of Diversion | Major Highway | District Boundary |
| Area of Consideration Boundary | Other Roadway | Old District Boundary |
| ▲ Points of Diversion | Major Stream | Cities in Kansas |
| | ● ● Monitoring Wells | County Boundary |

0.65 0.325 0 0.65 Miles



Equus Beds Groundwater Management District No. 2
 313 Spruce Street, Halstead, KS 67056
 316.835.2224, equusbeds@emad2.org

SAFETYIELD EVALUATION - New App # 51415 - Cris Ratzlaff

LOCATION: SW-NE-NE (4543'N & 1186'W) 36-19S-02W, McPherson County

SPECIAL USE AREA: None (Area of approved recharge rates in McP. Co.)

EVALUATION DATE:- 4/1/2025

Total Areas: 8,042 acres; Area in 1 inch discharge zone: 4,617 acres; Area in 2 inch discharge zone: 3.425 acres

FILE_ID	WELL_ID	TOWNSHIP	RANGE	SECTION	QUALIFIER	USE	AUTHQUANTITY
A00430600	1216	20S	01W	5	52302680	IRR	90
A01875600	1785	19S	01W	32	38792622	MUN	126.04
A03169800	1168	20S	01W	5	52302680	IRR	69
A04061800	1795	20S	01W	6	52800112	IRR	88
A04638500	3335	20S	01W	5	39383111	IRR	50
A04783700N	5056	19S	01W	29	752000	IRR	75
A04783700N	5057	19S	01W	29	1001900	IRR	0
A04783700N	5058	19S	01W	29	502100	IRR	0
A05141500P	5551	19S	02W	36	45431186	IND	4.498
MF20227388	0	20S	01W	5	39383111	IRR	0
Allowable Appropriations		955.58	Total Existing Appropriation				502.54
Small User Quantity		0	Non Consumptive Appropriations				0
Remaining SUQ		45	Consumptive Appropriations				502.54
Note- Values are in acre-feet			Available Appropriations				453.04

Equus Beds Groundwater Management District No. 2
SW-NE-NE (4543'N & 1186'W) 36-19S-02W, McPherson Co.
SPACING EVALUATION NO 51415
SPECIAL USE AREA: NONE

Prepared By: BRAD BARTON

Date: 4/2/2025



Map Legend

- Proposed Point of Diversion
- ▲ Points of Diversion
- Monitoring Wells

- Major Highway
- Other Roadway
- Major Stream

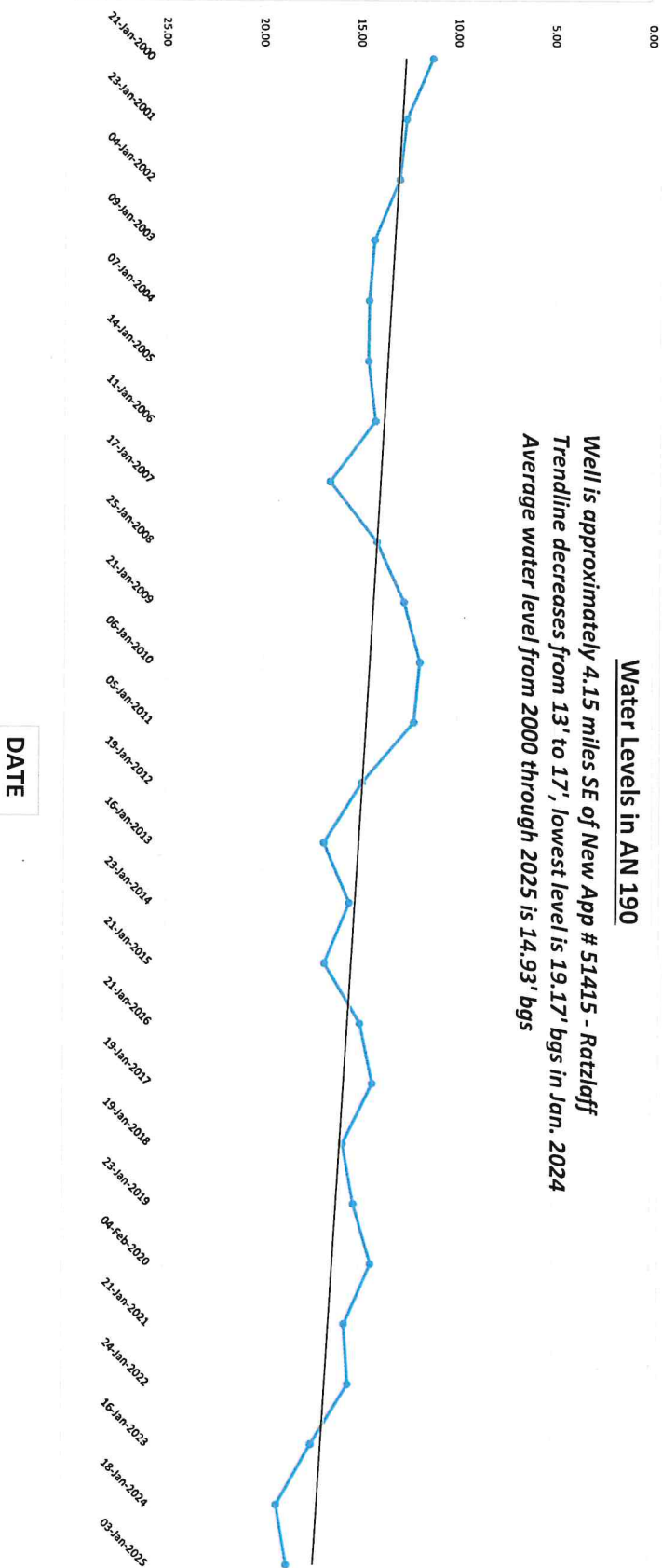
- Old District Boundary
- District Boundary
- Cities in Kansas
- County Boundary

0 660 1,320 Feet



Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316.835.2324 equusbeds@gsd2.com

Depth to Water in Feet Below Ground Surface (ft-bgs)



County: McPherson Fraction: NE NE NE Sec. 36 T 19 S R 2 W

CORRECTION(S) TO WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)

Owner: Chris Ratzlaff

If location corrected, was listed as:

Location changed to:

Section-Township-Range: 25-19S-2W

36-19S-2W

Fraction (¼ calls): NE NE NE

NE NE NE

Other changes: Initial statements: _____

Changed to: _____

Comments: _____

Verification method: wellsite address & area road map, McPherson County
online parcel search, and mapping tool & aerial photos
on KGS website.

Initials: DRA Date: 2/5/2019

Submitted by: ☒ Kansas Geological Survey, Data Resources Library, 1930 Constant Avenue, Lawrence, KS 66047-3724

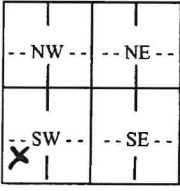
☐ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

[illegible]

WATER WELL RECORD

Form WWC-5

Division of Water Resources; App. No.

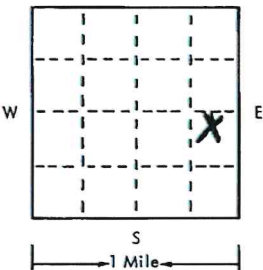
1 LOCATION OF WATER WELL: County: <u>Mapherson</u> Fraction <u>NW 1/4 SW 1/4 SW 1/4</u> Distance and direction from nearest town or city street address of well if located within city: <u>2E 134 S Galva</u>		Section Number <u>36</u> Township Number <u>T 19 S</u> Range Number <u>R 2 E W 2</u> Global Positioning Systems (decimal degrees, min. of 4 digits) Latitude: _____ Longitude: _____ Elevation: _____ Datum: _____ Data Collection Method: _____																																																										
2 WATER WELL OWNER: <u>Dalmer Nightingale</u> RR#, St. Address, Box # : <u>Box 507</u> City, State, ZIP Code : <u>Galva, KS 67443</u>		3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: <div style="text-align: center;">  </div>																																																										
4 DEPTH OF COMPLETED WELL <u>30</u> ft. Depth(s) Groundwater Encountered (1) <u>18</u> ft. (2) _____ ft. (3) _____ ft. WELL'S STATIC WATER LEVEL <u>2</u> ft. below land surface measured on mo/day/yr. <u>2-22-07</u> Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm Est. Yield <u>10-20</u> gpm: Well water was _____ ft. after _____ hours pumping _____ gpm WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well <u>Cattle</u> Was a chemical/bacteriological sample submitted to Department? Yes <u>No</u> ; If yes, mo/day/yr Sample was submitted. _____ Water well disinfected? Yes <u>No</u>		5 TYPE OF CASING USED: 1 Steel 3 RMP (SR) 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued <u>X</u> Clamped _____ 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____ 7 Fiberglass Threaded _____ Blank casing diameter <u>5</u> in. to <u>10</u> ft., Diameter <u>5</u> in. to <u>30</u> ft., Diameter _____ in. to _____ ft. Casing height above land surface _____ in., Weight _____ lbs./ft. Wall thickness or gauge No. _____ TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 9 ABS 11 Other (Specify) _____ 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) _____ SCREEN-PERFORATED INTERVALS: From <u>10</u> ft. to <u>22</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From <u>0</u> ft. to <u>30</u> ft., From _____ ft. to _____ ft. From _____ ft. to _____ ft., From _____ ft. to _____ ft.																																																										
6 GROUT MATERIAL: 1 Ne cement 2 Cement grout 3 Bentonite 4 Other _____ Grout Intervals: From <u>0</u> ft. to <u>8</u> ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify below) 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well Direction from well? <u>N</u> How many feet? <u>200+</u>																																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> </tr> </thead> <tbody> <tr> <td><u>0</u></td> <td><u>10</u></td> <td><u>Clay</u></td> </tr> <tr> <td><u>10</u></td> <td><u>22</u></td> <td><u>Sand</u></td> </tr> <tr> <td><u>22</u></td> <td><u>30</u></td> <td><u>Yellow Shale</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		FROM	TO	LITHOLOGIC LOG	<u>0</u>	<u>10</u>	<u>Clay</u>	<u>10</u>	<u>22</u>	<u>Sand</u>	<u>22</u>	<u>30</u>	<u>Yellow Shale</u>																			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td><u>No Other Water</u></td> </tr> <tr> <td> </td> <td> </td> <td><u>Could only Grout & Set</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		FROM	TO	PLUGGING INTERVALS			<u>No Other Water</u>			<u>Could only Grout & Set</u>																		
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7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>2-22-07</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>1007</u> This Water Well Record was completed on (mo/day/year) <u>2-3-07</u> under the business name of <u>Backhus Drilling</u> by (signature) <u>Paul Backhus</u> INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PAINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html .																																																												

USE TYPEWRITER OR BALL
POINT PEN-PRESS FIRMLY,
PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

T R EW sec 1/4 1/4 1/4 No.

Kansas State Dept. Of Health
(Water Well Contractors)
Forbes-Bldg. 740
Topeka, Kansas 66620

1 Location of well:	County <u>McPherson</u>	Township name <u>Empire</u>	Fraction <u>NE-NE-SE</u>	Section number <u>36</u>	Town number <u>18-S</u>	Range number <u>2-W</u>		
Distance and direction from nearest town or city: <u>3 Mi West</u>			3 Owner of well: <u>Wyane Becker</u>					
Street address of well location if in city: <u>2 1/2 N South of Canton</u>			Address: <u>R.R. 1 Galva Ks.</u>					
Locate with "X" in section below: 			Sketch map:			4 Well depth: <u>57</u> ft. Date of completion <u>8-4-75</u> Well diameter <u>10</u> in.		
2 Type and color of material			From	To	5 <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary			
			Top Soil		<u>0</u>	<u>5</u>	6 Use: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test well	
			Clay		<u>5</u>	<u>35</u>	7 Casing: Material <u>PVC</u> Height: above/below Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface <u>18</u> in. Diam. <u>5</u> in. to <u>57</u> ft. depth! Drive shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No _____ in. to _____ ft. depth!	
			fine to medium sand		<u>35</u>	<u>50</u>	8 Screen: Manufacturer: <u>Certain-teed</u> Type: <u>P.V.C.</u> Dia. <u>5"</u> Slot/gauze <u>10</u> Length <u>10'</u> Set between <u>35</u> ft. and <u>35</u> ft. Fittings: Gravel pack <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size range of material <u>3</u>	
			yellow clay		<u>50</u>	<u>57</u>	9 Static water level: <u>30</u> ft. below land surface Date <u>8-4-75</u>	
(use a second sheet if needed)					10 Pumping level below land surfaces: _____ ft. after _____ hrs. pumping _____ g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m. Estimated maximum yield _____ g.p.m.			
					11 Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date _____			
					12 Well head completion: <input type="checkbox"/> Pitless adapter <input type="checkbox"/> Inches above grade			
					13 Well grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> _____ Depth: From <u>5</u> ft. to <u>13</u> ft.			
					14 Nearest source of possible contamination: ft. <u>50</u> Direction <u>West</u> Type <u>Pasture</u> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
16 Remarks: elevation Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input checked="" type="checkbox"/> Valley					15 Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name _____ Model number _____ HP _____ Volts _____ Length of drop pipe _____ ft. capacity _____ g.m.p. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other			
					17 Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. <u>Beckhus Drilling 180</u> Business name _____ License No. _____ Address <u>Galva Ks</u> Signed <u>Paul Beckhus</u> Date <u>8-20-75</u> Authorized representative			

USE TYPEWRITER OR BALL
POINT PEN-PRESS FIRMLY,
PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

Kansas Department of Health and
Environment-Division of Environment
(Water well Contractors)
Topeka, Kansas 66620

1. Location of well:		County McPherson	Fraction NW 1/4 SE 1/4 NE 1/4 SE 1/4	Section number 36	Township number T 19 R 2 E NW	Range number 2
2. Distance and direction from nearest town or city: Street address of well location if in city: 3 mi. east of Galva, 2 south, 1/2 west, 1/2 north in field				3. Owner of well: R.R. or street: Blackstone Drilling Co. City, state, zip code: P.O. 1184 McPherson, Kansas 67460		
4. Locate with "X" in section below:		Sketch map:		6. Bore hole dia. 6 in. Completion date 1/25/79 Well depth 63 ft.		
				7. Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary		
5. Type and color of material		From	To	8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input checked="" type="checkbox"/> Oil field water <input type="checkbox"/> Other		
Top soil		0	3	9. Casing: Material Plastic Height: Above <input type="checkbox"/> below <input type="checkbox"/> Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface 18 in. RMP BVC <input checked="" type="checkbox"/> Weight 43 lbs./ft. Dia. 3 in. to 43 ft. depth Wall Thickness: inches or Dia. 3 in. to 43 ft. depth gage No. 216		
Gray clay		3	11	10. Screen: Manufacturer's name Certain Type sawed Dia. 3 Slot/gauze 43 Length 20 Set between 43 ft. and 63 ft. ft. and 63 ft.		
Sandy streak		11	12	Gravel pack? yes Size range of material 1/4 to 1/2 in.		
Clay		12	15	11. Static water level: 17.5 ft. below land surface Date 1/25/79		
Clay		15	21	12. Pumping level below land surfaces: 20 ft. after 1 hrs. pumping 80 g.p.m. ft. after 1 hrs. pumping 80 g.p.m. Estimated maximum yield 80 g.p.m.		
Med. sand w/clay		21	30	13. Water sample submitted: no mo./day/yr. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date 1/25/79		
Med. sand		30	44	14. Well head completion: 18 inches above grade <input type="checkbox"/> Pitless adapter 18 inches above grade		
Clay		44	46	15. Well grouted? yes With: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From 0 ft. to 10 ft.		
Med. sand		46	63	16. Nearest source of possible contamination: ft. no Direction no Type no Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Shale		63		17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name Rosencrantz-Bemis, Inc. Model number 134 HP 1/2 Volts 115 Length of drop pipe 1211 ft. capacity 1/2 g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other		
(Use a second sheet if needed)				20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Rosencrantz-Bemis, Inc. Business name 134 License No. 134 Address 1211 W. 4th, Hutchinson, Kansas Signed Mike Flawes Date 1-18-79 Authorized representative		
18. Elevation:		19. Remarks:				
Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Upland <input type="checkbox"/> Valley						

T 19 R 2 E NW 1/4 Sec 36

RE: 51415 review and recommendation request

From Jeff Lanterman [KDA] <Jeff.Lanterman@ks.gov>

Date Mon 4/21/2025 10:12 AM

To Colin Barclay [KDA] <Colin.Barclay@ks.gov>; Cameron Conant [KDA] <Cameron.Conant@ks.gov>

Colin;

I recommend approval of this ind poultry app.

Thanks.

From: Colin Barclay [KDA] <Colin.Barclay@ks.gov>

Sent: Monday, April 21, 2025 8:19 AM

To: Jeff Lanterman [KDA] <Jeff.Lanterman@ks.gov>; Cameron Conant [KDA] <Cameron.Conant@ks.gov>

Subject: 51415 review and recommendation request

Good morning Jeff and Cameron,

I have attached my draft memo for pending application File No. 51,415 for your review and recommendation. I have also attached the GMD 2 recommendation. This is a chicken/egg application. We received a couple of comments from nearby neighbors that I have tried to document in my memo.

Please let me know if you have any questions.

Thanks,

Colin Barclay
Environmental Scientist
Division of Water Resources
Kansas Department of Agriculture
Phone: (785) 370-1931
Colin.Barclay@ks.gov

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES
Earl D. Lewis Jr., Chief Engineer

APPROVAL OF APPLICATION and PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, **File No. 51,415** of the applicant

**CRIS RATZLAFF
1293 24TH AVE
GALVA, KS 67443**

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **February 3, 2025**.
2. That the water sought to be appropriated shall be used for industrial use in the Northeast Quarter (NE $\frac{1}{4}$) of Section 36, Township 19 South, Range 2 West, McPherson County, Kansas.
3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by a one (1) well located in the Southwest Quarter of the Northeast Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 36, more particularly described as being near a point 4,543 feet North and 1,186 feet West of the Southeast corner of said section, in Township 19 South, Range 2 West, McPherson County, Kansas, located substantially as shown on the topographic map accompanying the application.
4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **99 gallons per minute (.22 c.f.s.)** and to a quantity not to exceed **1.4655 million gallons of water (4.498 acre-feet)** for any calendar year.
5. That installation of works for diversion of water shall be completed on or before **December 31, 2026**, or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2030**, or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. The water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

13. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

14. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

15. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application

Ordered this 22 day of April, 2025, in Manhattan, Riley County, Kansas.

Lane P. Letourneau

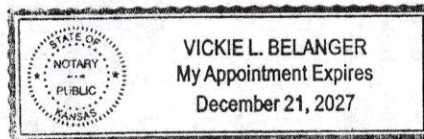
Lane P. Letourneau, P.G.
Water Appropriation Program Manager
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 22 day of April, 2025, by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.

Vickie L. Belanger

Notary Public



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

April 23, 2025

CRIS RATZLAFF
1293 24TH AVE
GALVA KS 67443-8848

RE: Appropriation of Water
File No. 51,415

Dear Mr. Ratzlaff:

Enclosed is a permit authorizing you to proceed with construction of the proposed diversion works and to appropriate water for beneficial use as set forth in the permit. Your attention is directed to the enclosures and to the terms, conditions, limitations, and requirements specified in this permit.

Notice must be filed on the enclosed form once the diversion works have been completed. Failure to complete the diversion works within the time allowed, or within any authorized extension of time thereof, will result in dismissal of this permit. If you need an extension of time, you must request it before the deadline for completion set forth in the permit. Any request for an extension of time must be accompanied by the statutorily required fee, which is currently \$100.00.

An annual water use report must be filed with the Chief Engineer by March 1, following the end of each calendar year. If a complete annual water use report is not received by the deadline, then a fine may be assessed and all water use under such permit or right may be suspended. Reports submitted in paper form will be assessed a \$20 per file number paper filing fee. In order to avoid this filing fee, you may submit your report online at www.kswaterusereport.org.

The approval of your application constitutes a permit to appropriate water. It does not give authority to construct any dam or other stream obstruction regulated by K.S.A. 82a-301 through 305a. It does not give authority to access any right-of-way or authorize trespassing upon or injury to public or private property. It may also be necessary for you to comply with other local, state or federal requirements.

Also included is an informational sheet that sets forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your perfected water right. Additional information and applicable forms may be found on our website at agriculture.ks.gov/dwr. If you have any questions or need assistance with any of these requirements, 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,

Kristen A. Baum
New Applications and Changes Supervisor
Division of Water Resources

KAB:ccb
Enclosure(s)
pc: Stafford Field Office

RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary.

To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (i.e., within a total of 18 days after this Order was mailed to you), with: Kansas Department of Agriculture, Attn: Legal Division, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for review may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (i.e., within a total of 33 days after this Order was mailed to you), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

CERTIFICATE OF SERVICE

On this 23 day of Apr. 1, 2025, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 51,415, dated Apr. 1 22, 2025, was mailed postage prepaid, first class, US mail to the following:

CRIS RATZLAFF
1293 24TH AVE
GALVA KS 67443-8848

With photocopies to:

KDA-DWR Stafford Field Office

GMD 2



Division of Water Resources