NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

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 Water Resources **APPROPRIATE WATER FOR BENEFICIAL USE**

Received 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.

1.	Name of Applicant:			
				Zip Code:
	Phone:		Email:	
2.	The source of water is:	surface water in	(st	ream)
		groundwater in	(draina	
			(draina	ge basin)
3.	The maximum annual qu	antity of water desired is		acre-feet gallons
				natural flows
	☐ This project involves	surface water storage and re	ediversion. The maximum a	nnual quantity of water desired to be
	• •	-		gpm
div	PORTANT: Once your appersion and maximum reque	I cubic foot per second (c.f.solication has been assigned ested annual quantity of wat	ter under that priority number	e (gpm) per, the requested maximum rate or r can <u>NOT</u> be increased. Please be ater are appropriate and reasonable
	The contest to the color of the color	be appropriated for the follo	wina use(s):	
	The water is intended to	'''	Recreational*	☐ Water Power*
or	☐ Artificial Recharge	e* Irrigation*		
or	_	e*	Stockwatering*	Sediment Control
or	Artificial Recharge		<u> </u>	☐ Sediment Control☐ Fire Protection
or	☐ Artificial Recharge☐ Industrial*	☐ Municipal* ☐ Dewatering	☐ Stockwatering* ☐ Hydraulic Dredging	

Water Resources Received

File No.

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 (¼) 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 quarte	er of the	_ quarter of the	quarter of S	Section,	more partic	ularly described		
		as being near a point	feet	North and	feet West of t	the Southeast	corner of s	said section, in		
		Township South,	Range	□E □W,		County, KS. A	K.A:			
	(B)	One in the quarte	er of the	_ quarter of the	quarter of S	Section,	more partic	ularly described		
		as being near a point	feet	North and	feet West of t	the Southeast	corner of s	said section, in		
		Township South,	Range	□E □W,		County, KS. A	K.A:			
	(C)	One in the quarte	er of the	_ quarter of the	quarter of S	Section,	more partic	ularly described		
		as being near a point	feet	North and	feet West of t	the Southeast	corner of s	said section, in		
		Township South,	Range	□E □W,		County, KS. A	K.A:			
	(D)	One in the quarte	er of the	_ quarter of the	quarter of S	Section,	more partic	ularly described		
		as being near a point	feet	North and	feet West of t	the Southeast	corner of s	said section, in		
		Township South,	Range	□E □W,		County, KS. A.	.K.A:			
	(E)	One in the quarte	er of the	_ quarter of the	quarter of S	Section,	more partic	ularly described		
		as being near a point	feet	North and	feet West of t	the Southeast	corner of s	said section, in		
		Township South,	Range	□E □W,		County, KS. A.	.K.A:			
6.	The proposed project for diversion of water will consist of									
		·	•		(date ead	ch was or will be co	ompleted)			
7.	The	e first actual application of	water for the	e proposed benefic	ial use was or is	s estimated to	be	(Date)		
8.	dive	t any application, appropr ersion or any of the same existing permits or water ri	place of use	described in this a	pplication. Als	o list any other				

File No.

9.	Will pesticide, fertilizer, or other foreign substance injected in the liversion 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?										
	If yes, write the Water Structures permit number here:										
11.	Furnish a detailed topographic or aerial map that depicts the following information:										
	The application <u>must</u> 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 ½ mile of the proposed well of 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 ½ mile, please indicate that on the map.)										
	For Surface Water Use, the names and addresses of the landowner(s) $\frac{1}{2}$ mile downstream and $\frac{1}{2}$ 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)										

File No

	The owner(s) of the property where the water is used, if other than the applicant, is: e attached supplemental sheet (all land just recently purchased so records likely do not reflect correct ownership
	(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, whice 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:
Sa	ame
	(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 appropriat water. Situations where this might occur may include times when minimum desirable streamflow (MDS) requirement are not met, when Assurance District or Water Marketing releases are made from storage in federal reservoirs, whe a Water Reservation Right upstream of a federal reservoir is administered, or when water rights administration become 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 thi 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 a statements made above, and that this application is submitted in good faith.
	Keith Grimm Digitally signed by Keith Grimm Date: 2023.12.29 07:01:44 -06'00'
	(Applicant Signature) (Date)
V.	aith Cuinana
<u></u>	eith Grimm (Applicant Name – please print)
M	IWI, LLC Agent (Applicant Title, if applicable – please print)
Ass	sisted by BRETT BUNGER TFO/WATER COMMISSIONER Date: 12-27-23

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FEE SCHEDULE

Make checks payable to the Kansas Department of Agriculture.

KS Dept 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				
		\$300.00				
> 104.272	> 320	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
		\$200.00
≥ 81.463	≥ 250	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

IRRIGATION USE SUPPLEMENTAL SHEET

Water Resources Received

KS Dept Of Agriculture

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ADDRESS: 1441 96 TH RD GOFF KS 66428 T R NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ NE NW SW SE SS 11E 40 46 46 46 40 36 43 37 31

Water Resources Received

REGISTRATION FORM FOR EXEMPT CLASS A DAMS K.S.A. 82a-301

KS Dept Of Agriculture

"Dam" means any artificial barrier including appurtenant works with the ability to impound water, wastewater or other liquids that has a height of 25 feet or more; or has a height of six feet or greater and a storage volume at the top of the emergency spillway elevation of 50 or more acre-feet. The height of a dam or barrier shall be measured from the lowest elevation of the streambed, downstream toe, or outside limit of the dam to the elevation of the top of the dam.

The prior written consent or permit of the chief engineer shall not be required for construction or modification of a hazard class A dam that:

- has a height of less than 30 feet and a storage volume at the top of the emergency spillway elevation of less than 125-acre feet, and the dam location and dimensions have been registered with the Division of Water Resources in a written form prescribed by the chief engineer; or
- 2. is a wastewater storage structure for a confined feeding facility that has been approved by the secretary of health and environment pursuant to K.S.A. 65-171d, and amendments thereto.

Complete the following information to satisfy the registration for exempt low, hazard class A dams defined in K.S.A. 82a-301(d)(1).

Dam owner information Name: Todd Heinen

Phone: 785-336-1073

Mailing Address: 1441 96th Rd Goff, ks 66428

E-mail Address: toddheinen@gmail.com
The following information is to be stamped and submitted by, or under the supervision of, a licensed professional engineer or registered land surveyor competent in the design and construction of dams.
Legal description of location: The location of the proposed dam is (use intersection of dam centerline and stream centerline): SE quarter of the SW quarter of the SW quarter of Section 7, Township 5 South, Range 11E (East/West) Nemaha County, Kansas, across, along, or in (stream or watercourse name): Unamed trib to Gilson Creek
Latitude 39.624519 Longitude -96.234451 (decimal degrees specified to at least 6 significant digits
Location map: Submit a U.S.G.S. topographic map, aerial photograph, KMZ file, or a detailed plat showing the location and layout of the proposed dam. This should include the latitude and longitude of the point where the centerline of the dam crosses the centerline of the stream (or in feet north and west of the southeast corner of the section) as well as the latitude and longitude of each abutment. The map should be marked with a north arrow and scale.
Location of each end of the dam at the centerline (decimal degrees specified to at least 6 significant digits.): Latitude and Longitude of the left abutment is: 39.624857
Benchmarks: Submit location and elevation information on two permanent benchmarks that comply with K.A.R. 5-40-2a. (decimal degrees specified to at least 6 significant digits.) Latitude, Longitude, and Elevation of Benchmark No. 1 is:
Drainage area (acres): 512acres
Use intersection of dam centerline and stream centerline as termination point of drainage area.

Top of Dam Elevation (feet): 1293	
Elevation of Lowest Point on Downstream Toe (feet): 1268.21	
Dam Height (feet): 24.79	
Flevation of Auxiliary Snillway (feet): 1289.5	

Area capacity table: Please attach a reservoir area capacity table for the dam. The table identifies the number of acres enclosed by each contour within the reservoir area and the total storage capacity of the reservoir in acrefeet at the elevation of each contour. The data shall be compiled for all contours in the reservoir up to and including the elevation of the top of the dam. Computations of capacity shall be based on the natural topography of the reservoir basin but may include the volume of any excavation in the reservoir made during construction of the dam. The storage in acre-feet must be shown in the table for the proposed emergency spillway elevation. This will be used to identify the jurisdiction of the dam.

Hazard class determination: List any homes, businesses, highways, improved roads, railroads, campgrounds, recreational facilities, or public utilities located downstream from the dam that could be inundated if the dam fails.

Water Resources Received

UPSTREAM AND DOWNSTREAM LANDOWNERS KS Dept Of Agriculture

UPSTREAM -

- #1) LEON SCOTT 2251 STATE HWY 178 SENECA KS 66538
- #2) MYRON KOCH 746 F RD CENTRAILIA KS 66415

DOWNSTREAM -

#1) TIMOTHY R CHADWICK 138 32ND RD VERMILLION KS 66544

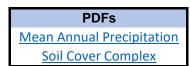
STORAGE CALCULATIONS

RESERVOIR CAPACITY = 99.2 AF DIRECT USE = 300 AF RESERVOIR SURFACE AREA = 15.1 ACRES NET EVAP = 11" ONE YEAR NET EVAP = 15.1 X 11"/12" = 13.8 AF

STORAGE = 300 + 99.2 + 13.8 = 413 AF

Water Resources Received

KS Dept Of Agriculture



Maran Armanal Durania in	٥٢
Mean Annual Precip, in	35
Soil Cover Complex No.	76
Drainage Area, acres	522
Runoff at 20% Chance, AF	582.37

DO NOT EDIT BELOW THIS LINE

% Chance Firm Coefficients			
	50%	80%	90%
а	0.5317	0.1216	0.0527
b	1.0815	1.2538	1.3547

%Chance Firm	Runoff, in	Comp. Runoff, in
50%	4.19	4.19
80%	1.33	1.31
90%	0.70	0.72
20%		13.39

Std. Dev. 90%	1.40
Std. Dev. 80%	1.36
Avg	1.38

Mean annual runoff for CN = 75, inches	6.50
Mean annual runoff for CN = 80, inches	7.75
Interp. Mean annual runoff for CN = 76, inches	6.75

1/2/2024 TOPOGRAPHIC SURVEY Compute Proposed Stream Obstruction Volume in the Southwest One-Quarter of **Water Resources** Received Section 7, Township 5 South, Range 11 East of the KS Dept Of Agriculture Sixth Principal Meridian, Nemaha County, Kansas Contour Inc Volume Total Volume Ac. Ft. Embankment 1268 223.94 1269 111.97 111.970 0.0026 1270 1,149.65 686.80 798.765 0.0183 1271 3,762.75 2,456.20 3,254.965 0.0747 1272 7,853.61 5,808.18 9,063.145 0.2081 1273 14,730.92 11,292.27 20,355.410 0.4673 1274 20,863.37 0.9463 26,995.82 41,218.780 1275 49,428.84 38,212.33 79,431.110 1.8235 1276 80,878.77 65,153.81 144,584.915 3.3192 1277 108,382.69 94,630.73 239,215.645 5.4916 365,726.275 1278 144,638.57 126,510.63 8.3959 1279 167,139.21 532,865.485 12.2329 189,639.85 1280 234,455.71 212,047.78 744,913.265 17.1009 1281 282,412.33 258,434.02 1,003,347.285 23.0337 1282 337,649.13 310,030.73 1,313,378.015 30.1510 1283 391,409.27 364,529.20 1,677,907.215 38.5194 1284 447,949.77 419,679.52 2,097,586.735 48.1540 1285 505,207.69 476,578.73 2,574,165.465 59.0947 1286 557,721.71 531,464.70 3,105,630.165 71.2955 1287 606,161.23 581,941.47 3,687,571.635 84.6550 1288 658,313.29 632,237.26 4,319,808.895 99.1692 water 1288 114.9499 1289 716,502.66 687,407.98 5,007,216.870 1289.20 727,688.15 144,419.08 5,151,635.951 118.2653 1289.40 738,899.89 146,658.80 5,298,294.755 121.6321 1289.50 744,851.62 74,187.58 5,372,482.331 123.3352 ES 1289.5 1289.60 750,664.42 74,775.80 5,447,258.132 125.0518 1289.80 763,073.07 151,373.75 5,598,631.881 128.5269 1290 775,648.69 153,872.18 5,752,504.058 132.0593 15,246 1291 903,050.87 839,349.78 6,591,853.838 151.3281 17,380 1292 989,440.77 946,245.82 173.0510 19,696 7,538,099.658 Top dam 1293 1293 1,082,148.01 1,035,794.39 8,573,894.048 196.8295 22,183 222.7035 24,894 1,171,989.38 1,127,068.70 9,700,962.743 General Notes for Site: No Field verification of LiDAR elevations performed. Front toe of stream obstruction elevation: 1269.56' Rear toe of stream obstruction elevation: 1268.21' Assumed top of structure width: 12 Assumed front and back slope: 3:1 LAND SURVEYOR'S CERTIFICATE

200

SCALE: 1" = 200'

400

THIS IS TO CERTIFY THAT THIS SURVEY

WAS DONE BY THE UNDERSIGNED, AND

THAT THE SURVEY WAS DONE ON THE

GROUND ON

100

Height

0.79

1.79

2.79

3.79

4.79 5.79

6.79

7.79 8.79

9.79

10.79

11.79

12.79 13.79

14.79

15.79

16.79

17.79

18.79

19.79

20.79

20.99

21.19

21.29

21.39 21.59

21.79

22.79

23.79

24.79

25.79

R11E SW 1/4 Sec 7, T5S, R11E Nemaha County, Kansas Stream Obstruction SW

Chadwick Trust

1"=400' SCALE FIELD ON: CHK. BY MARCY DWN. BY **BRENT** DATE: 11/11/23

SHEET 1 OF 2

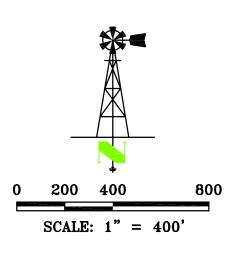
JOB NO. 5262.176

TOPOGRAPHIC SURVEY

Compute Proposed Stream Obstruction Volume in the Southwest One-Quarter of Section 7, Township 5 South, Range 11 East of the Sixth Principal Meridian, Nemaha County, Kansas

Water Level at Elev: 1289.50'







Stream Obstruction SW 1/4 Sec 7, T5S, R11E Nemaha County, Kansas

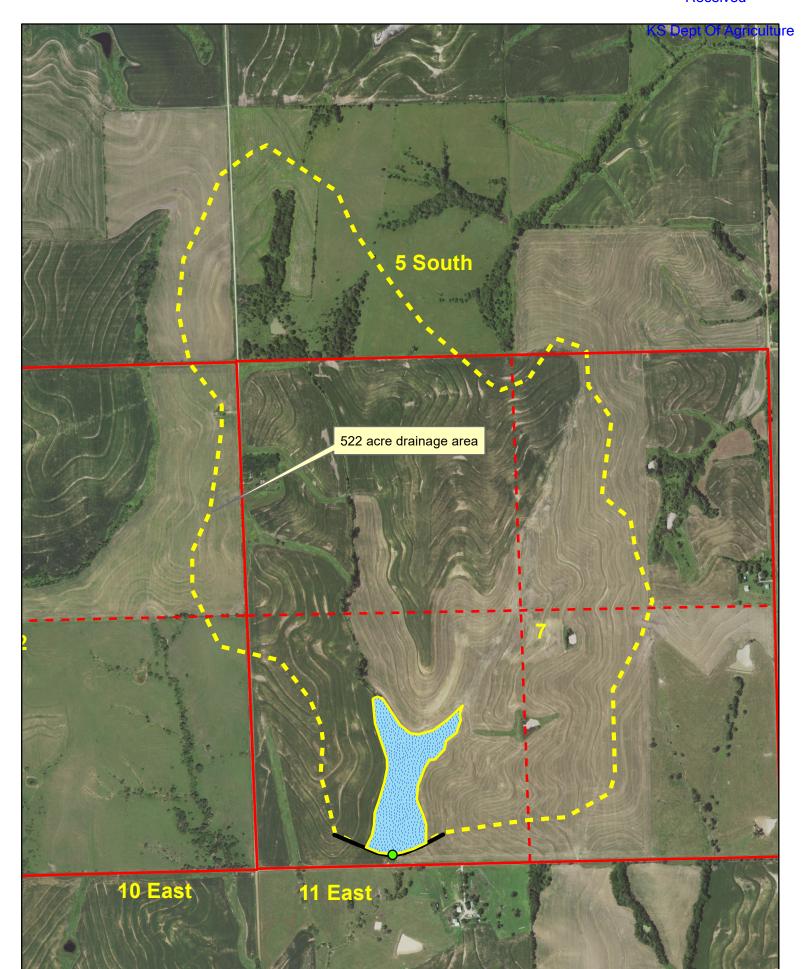
SCALE	1"=400'
FIELD ON:	-
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	11/11/23
SHEET 2	OF 2

JOB NO.

5262.176

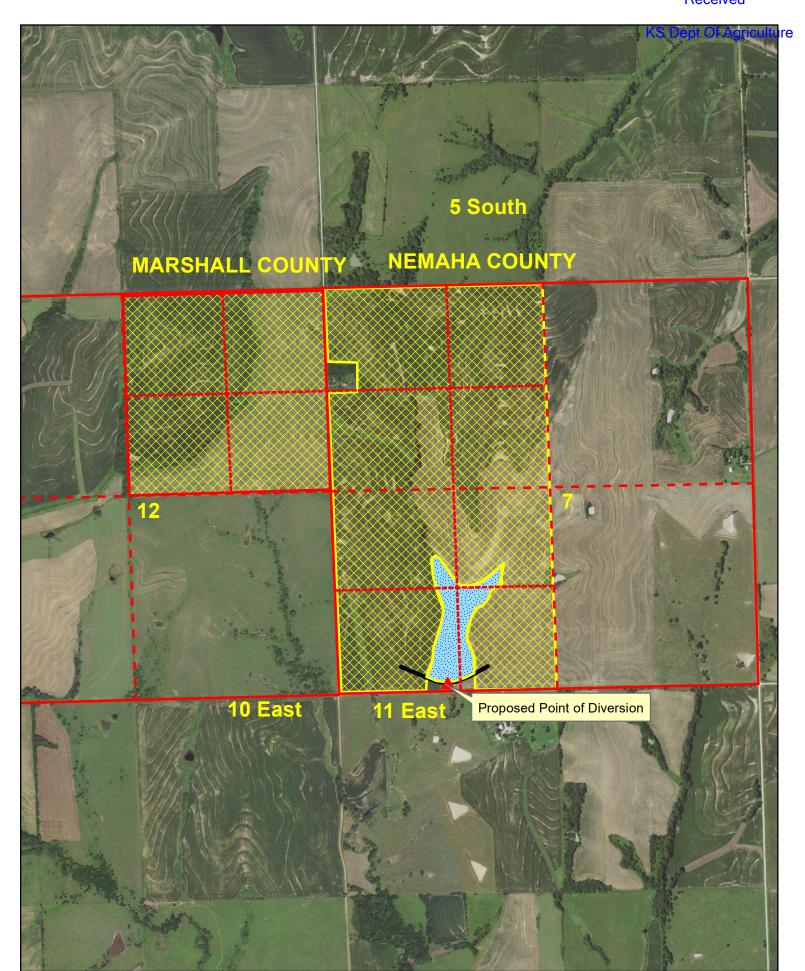
Heinen Drainage Area map

1:12,000



NEW APPLICATION

1:15,000



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

January 5, 2024

TODD HEINEN 1441 96TH RD GOLF KS 66428

RE: Application, File No(s). 51166

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 <u>agriculture.ks.gov/divisions-programs/dwr</u>. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser New Applications Lead Water Appropriation Program