

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.

6-1-4

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

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

50727

File Number _____
This item to be completed by the Division of Water Resources.

WATER RESOURCES
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APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

FEB 22 2022
4:00

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

KS DEPT OF AGRICULTURE

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Grawesholt Farms LLC
Address: 737 Birch Rd
City: Hardy State NE Zip Code 68943
Telephone Number: (785) 955-2488

2. The source of water is: surface water in _____ (stream)
OR groundwater in Republic County KS, Kansas-Lower Republican (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 320 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:							
F.O. <u>3</u>	<u>GMD</u>	Meets K.A.R. 5-3-1 (YES/NO) Use <u>IRR</u>	Source <u>G/S</u>	County <u>RP</u>	By <u>BMM</u>	Date <u>2/23/22</u>	
Code <u>RE2</u>	Fee \$ <u>300</u>	TR # <u>200037844</u>	Receipt Date <u>2-22-22</u>	Check # <u>CC</u>			

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location 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.

- (A) One in the SE quarter of the SE quarter of the SW quarter of Section 6, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 1 South, Range 4 East/West (circle one), Republic County Kansas _____ County, Kansas.
- (B) One in the NW quarter of the SE quarter of the SW quarter of Section 6, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 1 South, Range 4 East/West (circle one), Republic Coounty Kansas _____ County, Kansas.
- (C) One in the NE quarter of the NE quarter of the NW quarter of Section 7, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 1 South, Range 4 East/West (circle one), Republic County Kansas _____ County, Kansas.
- (D) One in the SE quarter of the SE quarter of the NW quarter of Section 7, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 1 South, Range 4 East/West (circle one), Republic County Kansas _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Dana Grauerholz-28328 Gailand Rd St. Marys KS 785-410-0066 (LLC Owner)

Deanna Wittstruck-7707 Walnut St. Omaha NE 68124 402-659-5134

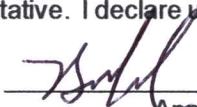
(name, address and telephone number)

Sandra Braden-933 E 1938th Rd Eudora KS 66025 785-806-2680 Cell 785-233-4512 Office (LLC Owner)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2/14, 2022  _____
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of 1-3 Wells _____
(number of wells, pumps or dams, etc.)

and (will be) completed (by) May 2022 _____
(Month/Day/Year - each was or will be completed)

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8. The first actual application of water for the proposed beneficial use was or is estimated to be June 2022.
(Mo/Day/Year)

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- 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 the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

- 11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

- 12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points 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.

Filled for the same acres with application 50503 with wells on north end. We never found water and trying to explore on the south end of the field and across the county road on property owned by same owners.

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph

No.	(A)	(B)	(C)	(D)
Date Drilled	to be drilled			
Total depth of well				
Depth to water bearing formation				
Depth to static water level				
Depth to bottom of pump intake pipe				

14. The relationship of the applicant to the proposed place where the water will be used is that of

Tenant/Family Members
(owner, tenant, agent or otherwise)

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

_____ (name, address and telephone number)

Dana Grauerholz-28328 Gailand Rd St. Marys KS 785-410-0066 (LLC Owner)
Sandra Braden-933 E 1938th Rd Eudora KS 66025 785-806-2680 Cell 785-233-4512 Office (LLC Owner)
Deanna Wittstruck-7707 Walnut St. Omaha NE 68124 402-659-5134
 _____ (name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Republic, Kansas, this 17 day of February, 2022.
(month) (year)

[Signature]
owner member
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by _____ (office/title)

Date: _____
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FEE SCHEDULE

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

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

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

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage 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 a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Grauerholz Farms LLL

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: Dana Grauerholz (25%)
 ADDRESS: 28328 Graveland Rd St. Marys KS 66536

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6	1	4					40	40	40	40	40	40	30						

Landowner of Record NAME: Sandra Braden (25%)
 ADDRESS: 933 E 1935th Rd Eudora KS 66025

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6	1	4					40	40	40	40	40	40	30						

Landowner of Record NAME: Deanna Wittstrack (50%)
 ADDRESS: 7207 Walnut St. Omaha NE 68124

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6	1	4					40	40	40	40	40	40	30						

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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
_____	_____	_____	_____
See Attached	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %	_____	_____

b. Estimate the average land slope in the field(s): 3 %

Estimate the maximum land slope in the field(s): 7 %

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:

We are 100% no till with cover crop practices in place. The pivot will include soil moisture info and GPS

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:

wheat, corn, soybeans, Alfalfa

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

I am planning on using drought variate crops and only use irrigation as a yield leveler not maximizer

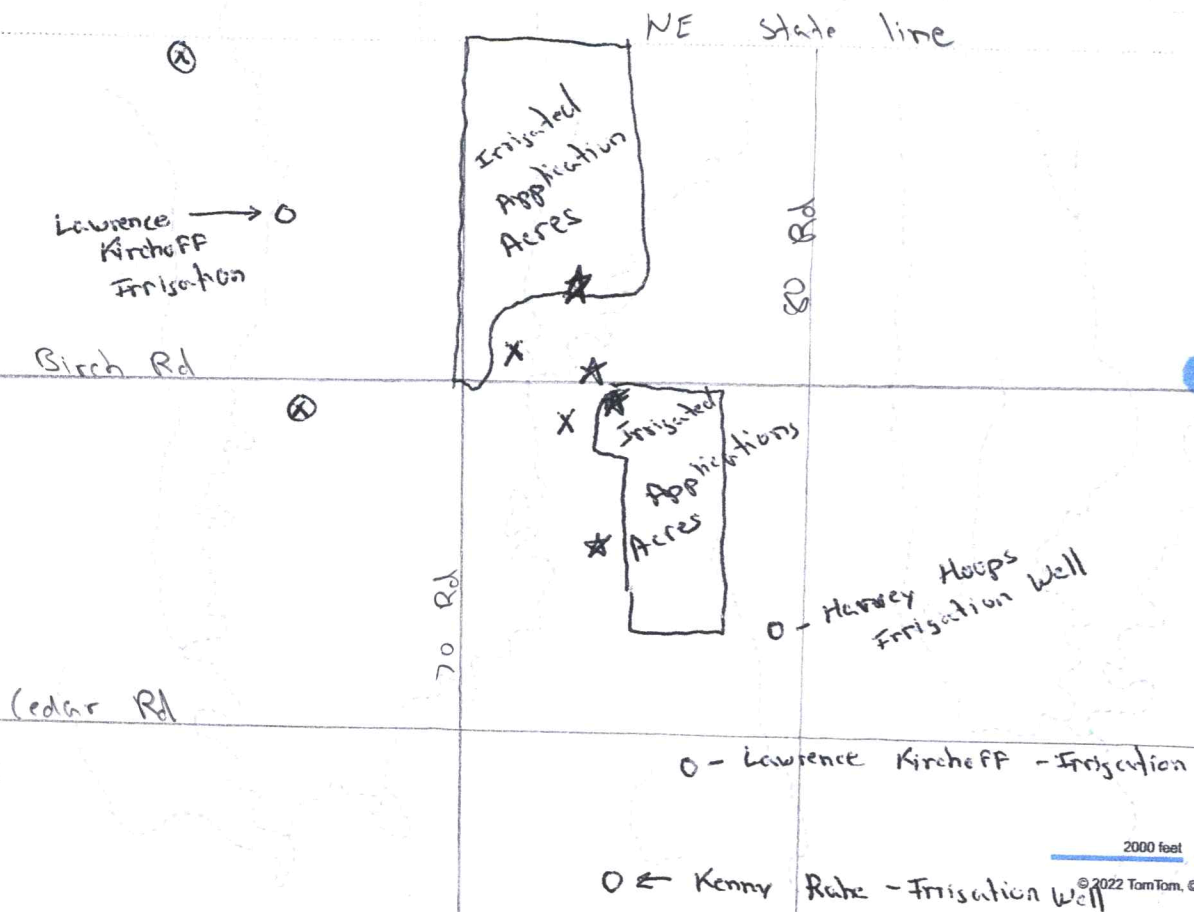
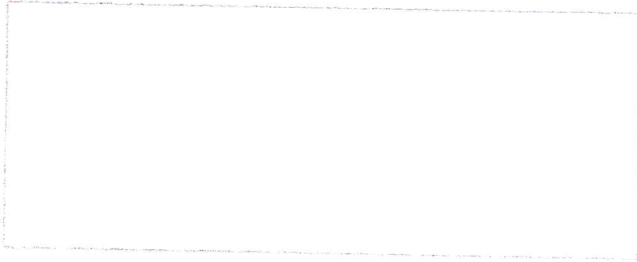
You may attach any additional information you believe will assist in informing the Division of the need for your request.

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Page 2 of 2

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2000 feet 500 m
 © 2022 TomTom, © OpenStreetMap

- X = Domestic wells owned by applicant
 - O = Irrigation wells
 - (X) = Domestic wells owned by others
 - * = Test wells (proposed irrigation wells)
- 4 locations

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- * No Irrigation wells within 1/2 mile of new drill locations
 - * Two Domestic wells within 1/2 mile of new drill locations
- Both owned by applicant / family

[Handwritten signature]

2/14/2022

Notes

6-1-4



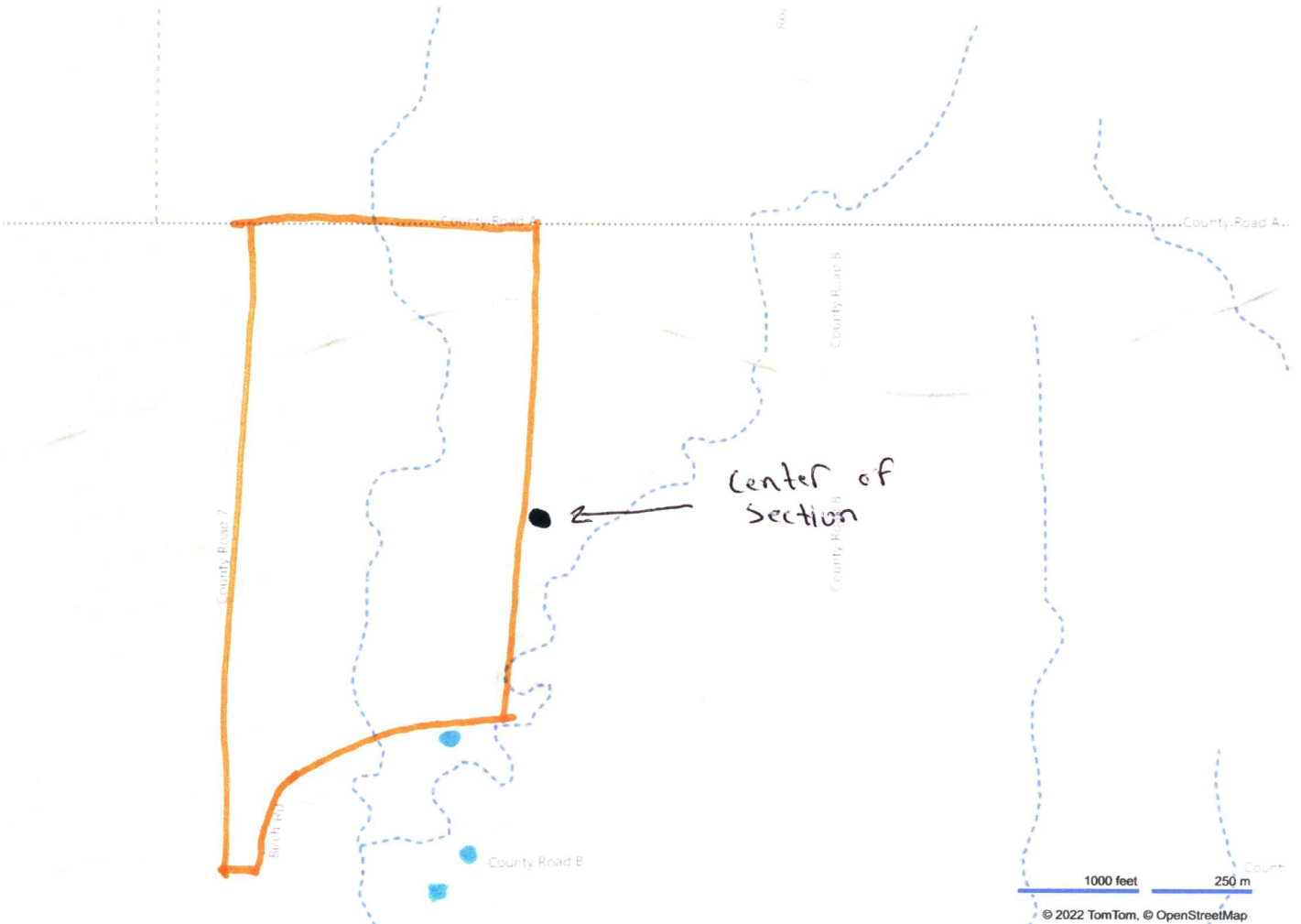
Proposed is two seperate pivot towers with drops

6-1-4 Republic County

[Signature] 2/14/2022

Microsoft Bing

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~~Proposed Wells~~
~~Proposed Irrigated Acres~~

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North House Whole

Soil (SSURGO) - Drainage

Area	Drainage
24 ac	Poorly drained
23.7 ac	Poorly drained
23.9 ac	Poorly drained
0.6 ac	Poorly drained
21.1 ac	Somewhat poorly drained
78.7 ac	Well drained
71.7 ac	Well drained

Weather

Planted May 2, 2021 (Actual)

248.6 ac Planted 25,064 seeds/ac Avg Population

594DG, 5700SS/RIB, G11B63-3120A E-Z Refuge, 782P Hybrid

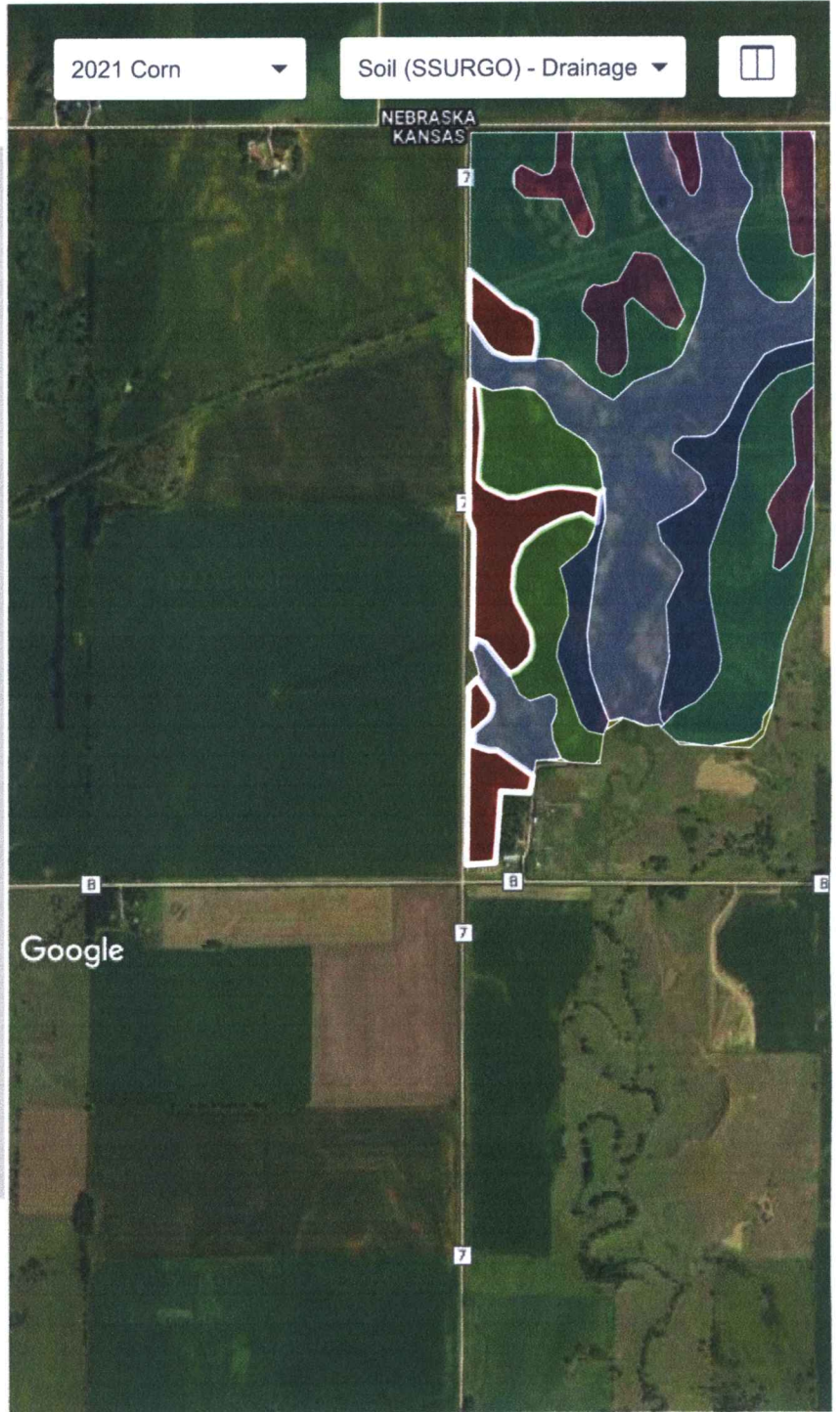
[View Prescriptions](#)

Harvest

110 bu/ac Avg Yield 14.5% Moisture 246 ac Harvested

Field Health

Oct 14, 2021 Latest Image 0 GDUs



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North House Whole

Soil (SSURGO) - Soil Type

Area	Soil Type
24 ac	Crete silt loam, 1 to 3 percent slopes, loess plains and breaks
23.7 ac	Crete silty clay loam, 3 to 7 percent slopes, eroded, loess plains and breaks
23.9 ac	Geary silty clay loam, 3 to 7 percent slopes, severely eroded
0.6 ac	Geary-Hobbs silt loams, 0 to 30 percent slopes
21.1 ac	Hastings silt loam, 1 to 3 percent slopes
78.7 ac	Hastings silty clay loam, 3 to 7 percent slopes, eroded
71.7 ac	Hastings-Hobbs complex, 0 to 25 percent slopes

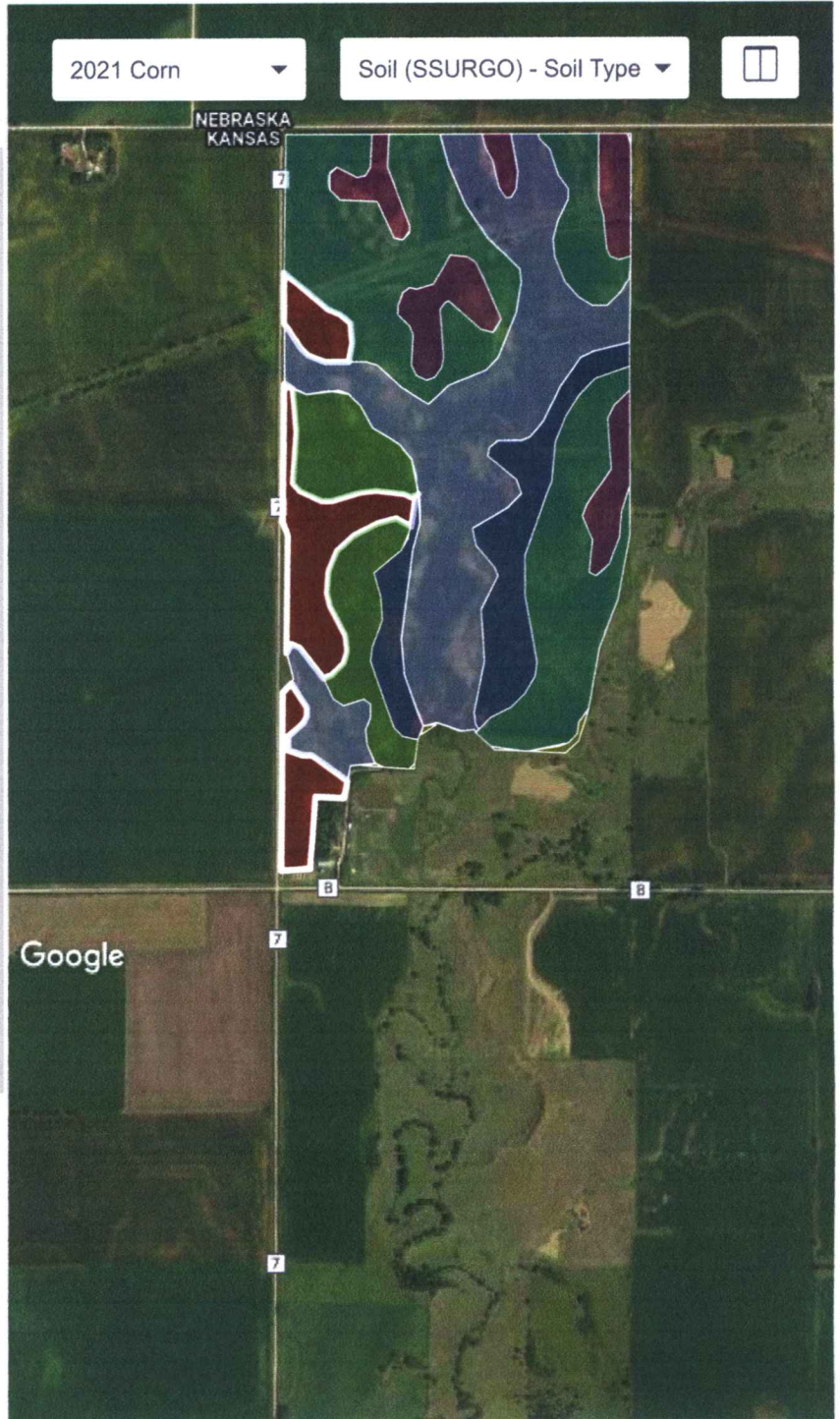
Weather

Planted May 2, 2021 (Actual)

248.6 ac Planted	25,064 seeds/ac Avg Population
---------------------	-----------------------------------

594DG, 5700SS/RIB, G11B63-3120A E-Z Refuge, 782P Hybrid

View Prescriptions



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Recenter Region

Limited Liability Company Annual Report



1. LLC Name: GRAUERHOLZ FARMS LLC
2. Business Entity ID No.: 8450009
3. Tax Closing Date: December 2020
4. State of Organization: KS
5. Official Mailing Address:
Brett Grauerholz, 737 Birch Road , Hardy NE 68943

Electronic File Stamp
Information:

Filed

- Date: 03/13/2021
- Time:
10:09:53 PM

6. Members who own 5% or more of capital (Kansas LLCs only):

Gregory G Braden - 933 E 1938th Rd Eudora, KS 66025

Brett A Grauerholz - 737 Birch Road Hardy, NE 68943

Dana A Grauerholz - 28328 Gailand Rd St Marys, KS 66536

Federal Employer Identification Number (FEIN): 820610314

"I declare under penalty of perjury pursuant to the laws of the state of Kansas that the foregoing is true and correct."

Executed on March 13, 2021

Signature of Authorized Person: Brett A Grauerholz

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Grauerholz Farms LLC
737 Birch Rd Hardy NE 68943
785-955-2488
grauerholzfamilyfarms@gmail.com

Division of Water Resources
1320 Research Park Drive
Manhattan, KS 66502

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Dear Water Resources

Grauerholz Farms LLC is applying for a permit to Appropriate Water for Beneficial Use of section 6-1-4(245 acres) and 7-1-4(127 acres), Washington Township in Northern Republic Kansas.

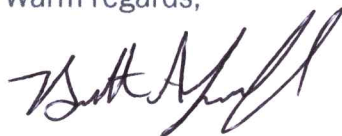
Grauerholz Farms LLC is a family farm operation owned by Brett Grauerholz, Dana Grauerholz, and Gregory Braden as stated by the attached 2020 Annual Report filled by Grauerholz Farms LLC. Brett Grauerholz is listed as the operating manager of the LLC with the other partners as members and landowners.

Grauerholz Farms LLC is applying for the permit to irrigate the attached acres listed in section 6-1-4 and 7-1-4 via two separate applications. We are a no-till operation that implements cover crops for winter cover to hold and rejuvenate the soils. Grauerholz Farms LLC is intending these irrigated areas to be a yield equalization of the said area, not a yield maximization of said area.

The proposed well sites will be drilled in 4 separate areas looking for the best possible water source, along with the most environmentally friendly well locations for power and equipment. I have attached a drawing of local wells around in a multi-mile distance from proposed well locations keeping in mind local requirements of distances for best water usage of domestic and irrigation wells.

Please feel free to reach out via phone to myself at (785)955-2488, Dana Grauerholz (785)410-0066, or Sandra/Greg Braden at (785)806-2680 or Office Braden Heidner Lowe & Associates at (785)233-4512

Warm regards,



Brett Grauerholz
Owner/Manager

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