

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.

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

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

File Number 50616
This item to be completed by the Division of Water Resources.

**APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE**
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

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JUL 26 2021

12:49

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): William J. Neises Revocable Living Trust
Address: 13920 W 37th N
City: Wichita State KS Zip Code 67223
Telephone Number: (316) 208-6243

2. The source of water is: surface water in _____ (stream)
OR groundwater in Arkansas River (Slate Creek) (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 154.7 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>2</u>	GMD	Meets K.A.R. 5-3-1 (YES / NO)	Use	<u>IRR</u>	Source	<u>G / S</u>	County	<u>SU</u>	By	<u>BMM</u>	Date	<u>7/26/21</u>
Code	<u>RE2</u>	Fee \$	<u>300</u>	TR #		Receipt Date	<u>7/26/21</u>	Check #	<u>1328</u>				

7/28/2021
LMoody

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.

GEO CTR

(A) One in the SE quarter of the NE quarter of the SW quarter of Section 27, more particularly described as being near a point 1320 feet North and 4200 feet West of the Southeast corner of said section, in Township 30 South, Range 3 West, Sumner County, Kansas.

(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 _____ East/West (circle one), _____ County, Kansas.

(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 _____ East/West (circle one), _____ County, Kansas.

(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 _____ East/West (circle one), _____ 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):

(name, address and telephone number)

(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 July 22, 2021. Willy Merrin
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 4 well battery, 1 pump, pipeline, center pivot
(number of wells, pumps or dams, etc.)

and (will be) completed (by) 12/31/2021
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be June 1 2022
(Mo/Day/Year)

- 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 ½ 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 ½ mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ 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.

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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	_____	_____	_____	_____
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 Owner
(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)

(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 July 22, Kansas, this 22 day of July, 2021.
(month) (year)

Will Meier
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by George A. Austin, P.E George @ aqueousfortis.com Date: July 21, 2021
(office/title)

IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): William J Neises

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: William J Neises Revocable Living Trust
 ADDRESS: 13920 W 37th N. Wichita, KS 67223

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
27	30	3W								33	33	32	21					119	

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	

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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
5908 Nalim Loam, 0-1% slope	49.2	0.2-0.6	1
5982 Nalim Loam, 1- 3% slope	50.8	0.2-0.6	2
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 1.25 %

Estimate the maximum land slope in the field(s): 3.0 %

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:

For the soils involved runoff potential is listed by NRCS Soils database as low. It is anticipated that with proper operations no runoff will occur.

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 35 psi

(2) What is the sprinkler package design rate? 800 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? 60 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:

Corn, soybeans, wheat, and milo are intended crops.

Rotation is planned dependent on the soil conditions and anticipated climate conditions.

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).

Irrigation based on crop stress and soil moisture. Rate and duration of irrigation is dependent on weather-based factors such as humidity, temperature, solar intensity, and crop stage. It is anticipated that during each growing season, the maximum rate of application will be needed.

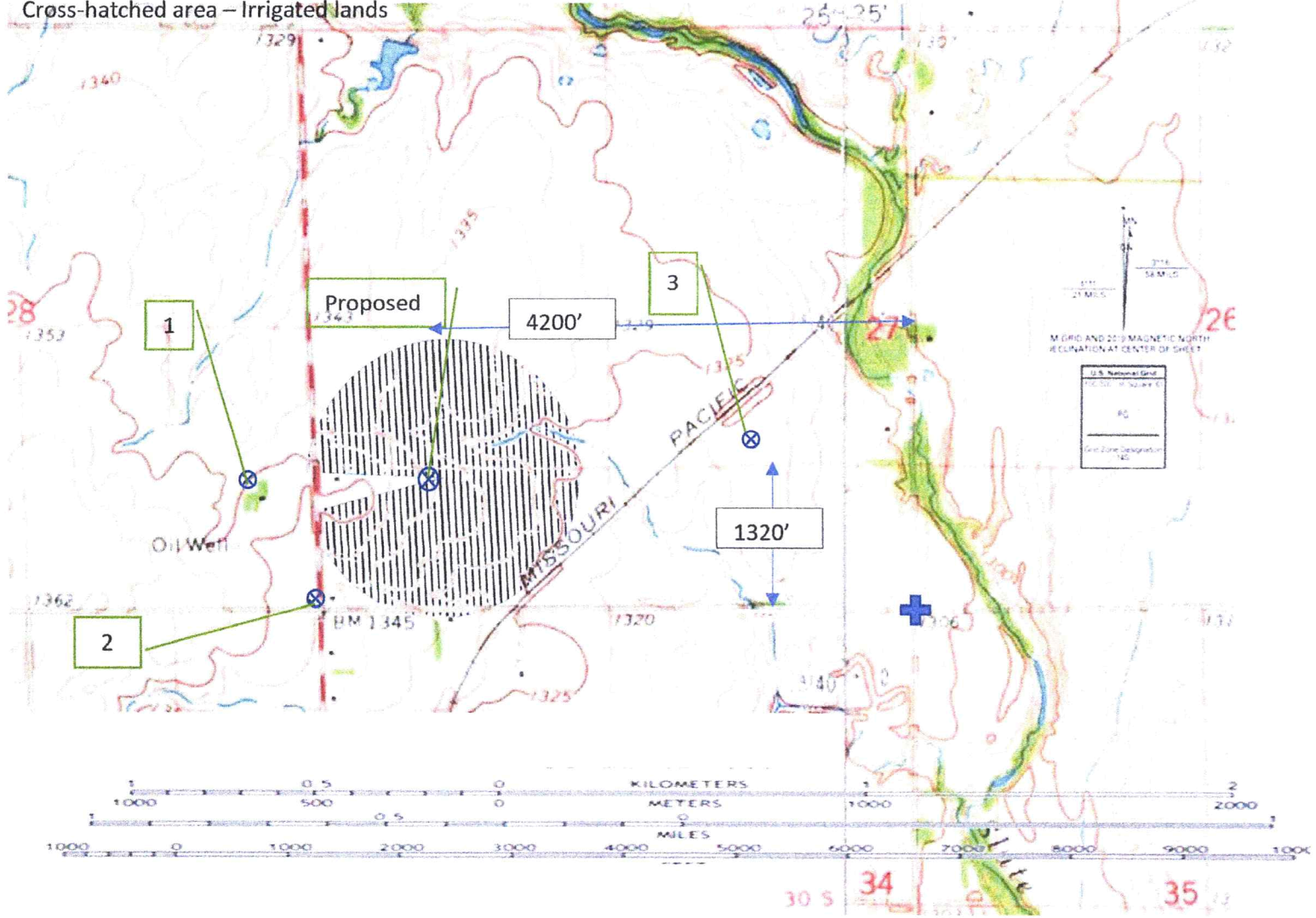
You may attach any additional information you believe will assist in informing the Division of the need for your request.

William J. Neises Living Trust

13920 W 37th N Wichita, KS 67223

⊗ --Point of Diversion Ctr SW Sec 27, T30S, R 3 W, Sumner County

Cross-hatched area – Irrigated lands



All wells of any kind within ½ mile of the requested point of diversion has been plotted.

Signed,

Date; 7/09/21.

1. (WWC5)Domestic Well – Kenneth Gray

1057 N CONWAY SPRINGS RD

CONWAY SPRINGS,

KS 67031

2. (WWC5)Domestic Well – Cory Misak

401 S KANSAS CT CONWAY SPRINGS,

KS 67031

3. (WIMAS) Irrigation Well Battery (outside ½ mile radius)

Jeff Lange / Patti Lange Revocable Trust

4340 S WEST ST WICHITA, KS 67217

Water Use Correspondent Paul S. Lange

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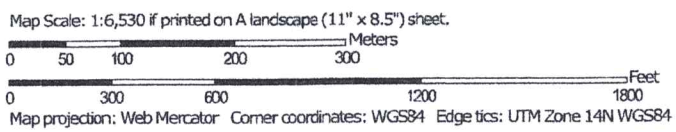
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Soil Map—Sumner County, Kansas



Soil Map may not be valid at this scale.







































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MAP LEGEND

- | | |
|--|---|
|  Area of Interest (AOI) |  Spoil Area |
|  Soil Map Unit Polygons |  Stony Spot |
|  Soil Map Unit Lines |  Very Stony Spot |
|  Soil Map Unit Points |  Wet Spot |
| Special Point Features |  Other |
|  Blowout |  Special Line Features |
|  Borrow Pit | Water Features |
|  Clay Spot |  Streams and Canals |
|  Closed Depression | Transportation |
|  Gravel Pit |  Rails |
|  Gravelly Spot |  Interstate Highways |
|  Landfill |  US Routes |
|  Lava Flow |  Major Roads |
|  Marsh or swamp |  Local Roads |
|  Mine or Quarry | Background |
|  Miscellaneous Water |  Aerial Photography |
|  Perennial Water | |
|  Rock Outcrop | |
|  Saline Spot | |
|  Sandy Spot | |
|  Severely Eroded Spot | |
|  Sinkhole | |
|  Slide or Slip | |
|  Sodic Spot | |

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sumner County, Kansas
 Survey Area Data: Version 17, Jun 10, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 21, 2013—Sep 29, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5908	Nalim loam, 0 to 1 percent slopes	77.8	49.2%
5982	Nalim loam, 1 to 3 percent slopes	80.3	50.8%
Totals for Area of Interest		158.1	100.0%

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Carmichael Irrigation, LLC



210 N Hwy 96 Frontage Rd.
Mt. Hope, KS 67108
316.250.2593
carmichaelirrigation@gmail.com

Grower: Chris Olmstead

Date: 06/03/2021

Farm: System Design 1 : 6/3/2021

Field Name: Field Layout 1 : 5/27/2021

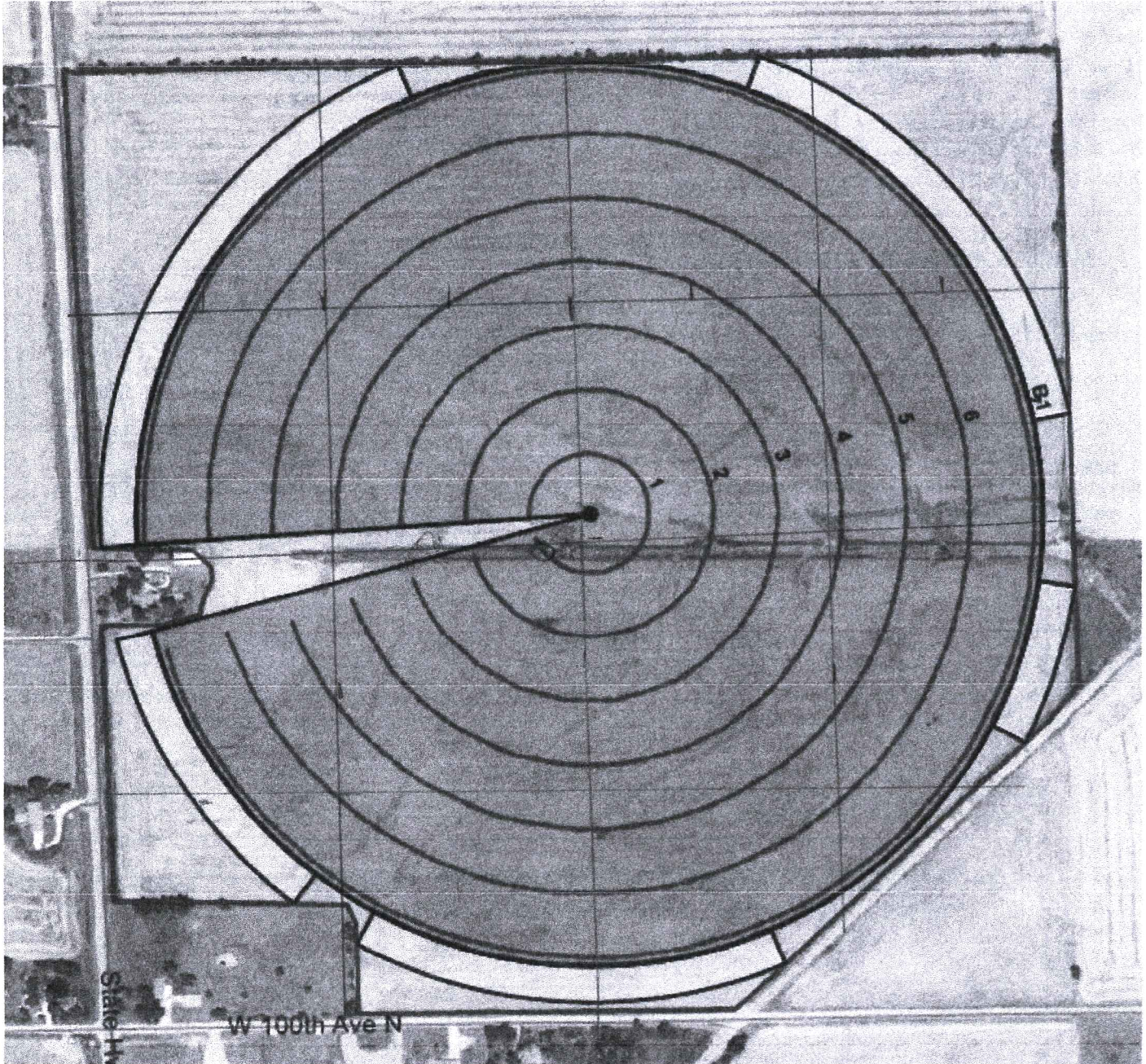
Field Area: 143.66 acres

System Model: E2065

System Length: 1,235.00 ft

Total Irr. Area: 118.82 acres

Number of Spans: 7



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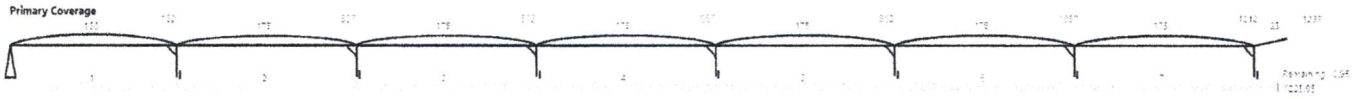
System Length 1,235.00 Total Spans: 7
 Pivot Center Lat/Long: 37.405667degree / -97.637135degree

1st/2nd Endgun Throw: 100
 Degree of Sweep: 348.85

Total Irrigated Acres: 118.82
 Swing Arm Acres:

Pivot Acres: 106.59
 Wrap Span Acres:

1st/2nd Endgun Areas: 12.23
 Drop Span Acres:



Span Information								
Span No.	1	2	3	4	5	6	7	
Model:	E2065	E2065	E2065	E2065	E2065	E2065	E2065	End Boom
Length:	160'	175'	175'	175'	175'	175'	175'	23'
Dist - Twr.	162.00 ft'	337.00 ft'	512.00 ft'	687.00 ft'	862.00 ft'	1,037.00 ft'	1,212.00 ft'	
Pipe Size:	6_5/8	6_5/8	6_5/8	6_5/8	6_5/8	6_5/8	6_5/8	N/A
Outlet Sp:	57"	57"	57"	57"	57"	57"	57"	57"

SR100 (feet)	Primary (1st) Endgun Areas by Location							Area Acres
	Degree from North		Degree from Pivot Start		Latitude / Longitude in Degrees			
	Start	Stop	Start	Stop	Start	Stop		
Area 1	20.2	77.9	114.2	171.9	37.409089 -97.635483	37.406381 -97.632626	2.97 acres	
Area 2	98.3	117.6	192.2	211.6	37.405087 -97.632596	37.403918 -97.633094	1.00 acres	
Area 3	156.6	208.5	250.6	302.4	37.402280 -97.635372	37.402469 -97.639385	2.67 acres	
Area 4	217.2	254.9	311.2	348.9	37.402779 -97.639968	37.404764 -97.641590	1.94 acres	
Area 5	266.1	337.0	0.0	70.9	37.405468 -97.641725	37.409062 -97.638873	3.65 acres	

Field Layout Annotations					
Label	Start Lat.	Start Lon.	End Lat.	End Lon.	Length

22
July 28, 2021

Kansas State Department of Agriculture
Division of Water Resources
Earl D. Lewis, Jr., Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

RE: New Application to Appropriate Water for Beneficial Use

Dear Chief Engineer Lewis :

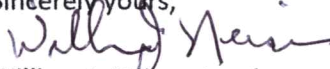
I am enclosing a new Application for Permit to Appropriate Water for Beneficial Use along with \$300 check for Application Fee. The Application involves a groundwater point of diversion near Conway Springs in Sumner County Kansas. The irrigation system will be a center pivot, which preliminary design is attached to the Application.

Included with the Application are an Irrigation Supplemental Information Sheet, a topographical map including landowners with domestic wells within the ½-mile of the proposed point of diversion and one irrigation well battery which slightly outside the ½-mile circle and a soil map with soil attributes.

The Application item 13 requires information as to the geological information (drillers log) obtained by test hole or drilled well. This information is not available at this time. Other irrigation wells nearby have required a four well battery to produce sufficient pumping capacity. This is anticipated to be true for this location also.

If any further information, is needed or if you have questions as to the Application, please contact:
George A. Austin, PE dba Aqueous Fortis Consulting, George@aqueousfortis.com, 2121 SW 32nd Street,
Topeka, Kansas 66611, cell phone 785-224-9526.

Sincerely yours,



William J. Neises, Landowner and Applicant
13920 W 37th N
Wichita, KS 67223

Cc: George A. Austin
Chris Olmstead
Josh Carmichael

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DATA ENTRY SYSTEM ID NUMBER SHEET

FILE NUMBER 50616

APPLICANT PERSON ID & SEQ #	PDIV ID	BATTERY ID
66530	88975	

LANDOWNER PERSON ID & SEQ #	PUSE ID
66530	70498

WATER USE CORRESPONDENT PERSON ID & SEQ #
66530

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

July 29, 2021

WILLIAM J. NEISES RECOCABLE LIVING TRUST
13920 W 37TH N
WICHITA KS 67223

RE: Application, File No(s). **50616**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Stafford Field Office at 620-234-5311. *Stafford Field Office at 620-234-5311*. 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 fluid and cursive, with a long horizontal stroke at the end.

Kris Neuhauser
New Applications Lead
Water Appropriation Program