

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
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 50,017
This item to be completed by the Division of Water Resources.

Water Resources
Received

MAR 21 2018
12:38
KS Dept Of Agriculture

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.)

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

1. Name of Applicant (Please Print): MICHAEL J NORDBOE
Address: 1008-A W MAGNOLIA ROAD
City: SALINA State: KS Zip Code 67401
Telephone Number: (785) 820-0753

2. The source of water is: surface water in _____ (stream)
OR groundwater in REPUBLICAN RIVER BASIN (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 192 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. 1 GMD 0 Meets K.A.R. 5-3-1 (YES/NO) Use IR Source G S County CY By AW Date 3/21/16
Code _____ REG REG Fee \$ 300 TR # _____ Receipt Date 3/21/16 Check # 3490

3/28/2018 LLM

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 NE quarter of the SE quarter of the SW quarter of Section 26, more particularly described as being near a point 1,250 feet North and 2,885 feet West of the Southeast corner of said section, in Township 10 South, Range 3 EAST, CLAY County, Kansas. **GEO-CENTER**

(B) One in the NE quarter of the SE quarter of the SW quarter of Section 26, more particularly described as being near a point 1,094 feet North and 2,947 feet West of the Southeast corner of said section, in Township 10 South, Range 3 EAST, CLAY County, Kansas. BATT 1 OF 3

(C) One in the NE quarter of the SE quarter of the SW quarter of Section 26, more particularly described as being near a point 1,233 feet North and 2,951 feet West of the Southeast corner of said section, in Township 10 South, Range 3 EAST, CLAY County, Kansas. BATT 1 OF 3

(D) One in the SE quarter of the NE quarter of the SW quarter of Section 26, more particularly described as being near a point 1,422 feet North and 2,758 feet West of the Southeast corner of said section, in Township 10 South, Range 3 EAST, CLAY County, Kansas. BATT 1 OF 3

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):

Applicant _____
(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 _____, 2018. Michael J. Norther
Applicant's Signature

7. The proposed project for diversion of water will consist of BATTERY OF 3 WELLS
(number of wells, pumps or dams, etc.)
and (was) completed (by) SUMMER 2018
(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 Summer 2018
(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 _____

GROUNDWATER WELL

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.

NONE

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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 MARCH 19th, Kansas, this 19 day of MARCH, 2018
SALINA (month) (year)

Michael J. Andrew
(Applicant Signature)



APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By _____
(Agent or Officer Signature)

and/or
APPLICANT(S) TAXPAYER I.D. NO.(S)

(Agent or Officer - Please Print)

Assisted by DWS

TOPEKA FO
(office/title)

Date: 3/5/2018

Water Resources
Division

Outgoing FAX: 785-825-2300

IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): MICHAEL NORDBOE

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: MICHAEL NORDBOE

ADDRESS: 1008-A W MAGNOLIA RD, SALINA, KS 67401

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
26	10S	3E									40	40	40	40					160

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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

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

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

c. Type of irrigation system you propose to use (check one):

- Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: _____ psi
- (2) What is the sprinkler package design rate? _____ gpm
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet
- (4) Please include a copy of the sprinkler package design information.

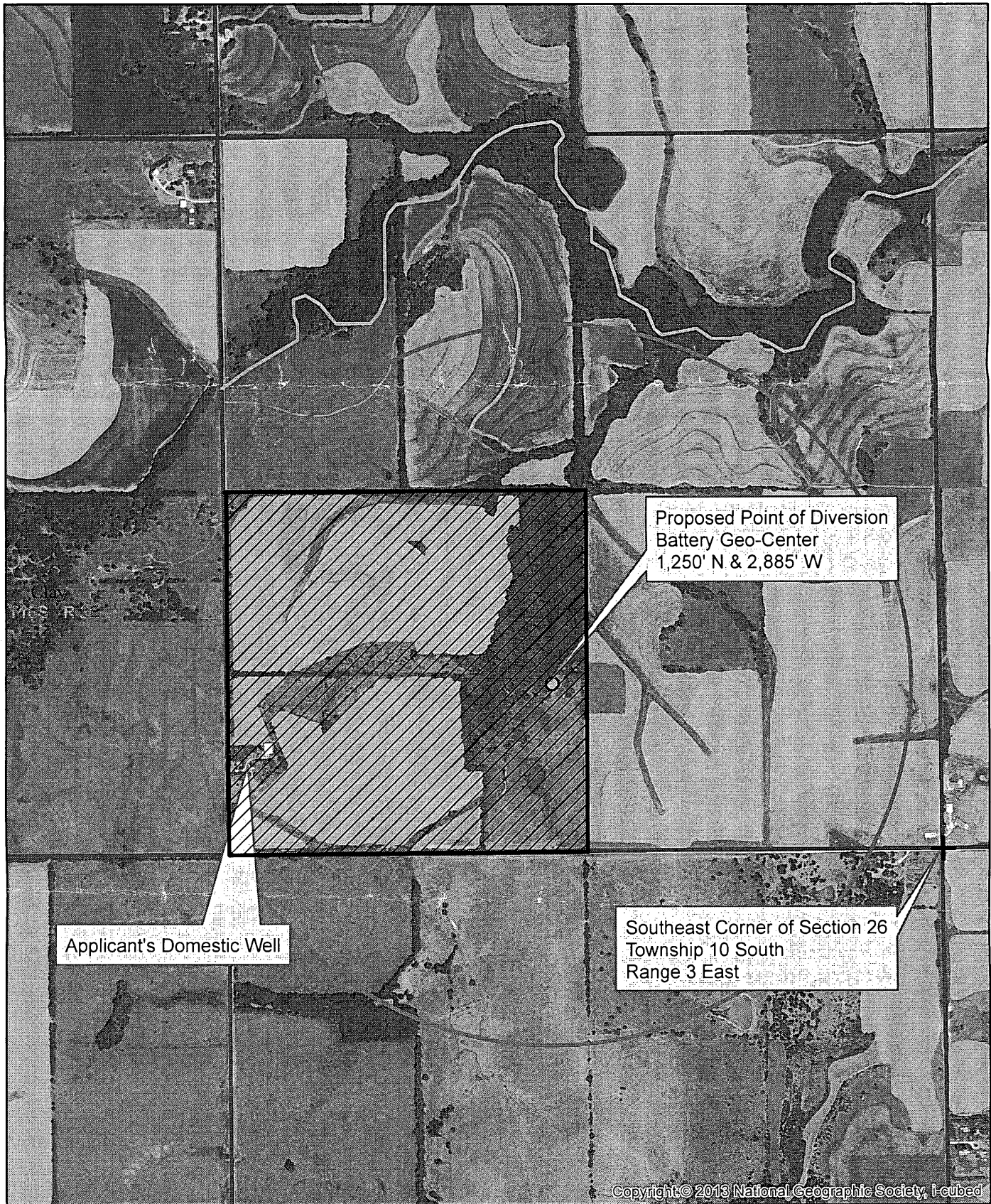
e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

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

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

MIKE NORDBOE - NEW APPLICATION
SECTION 26, T10S, R3E

50,017



Proposed Point of Diversion
Battery Geo-Center
1,250' N & 2,885' W

Applicant's Domestic Well

Southeast Corner of Section 26
Township 10 South
Range 3 East

Copyright © 2013 National Geographic Society, I-cubed

1:12,000

● Point of Diversion
Water Resources
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Proposed Place of

All Known Wells Within 1/2 mile of the proposed point of diversion have been shown on this map.

MAR 21 2018

Michael J. Nordboe

KS Dept Of Agriculture

the well

WELL RECORD

Form WWC-5

Division of Water Resources App. No.

50,017

LOCATION OF WATER WELL: County: CLAY Fraction: NE 1/4 SE 1/4 SW 1/4 1/4 Section Number: 26 Township No.: T 10 S Range Number: R 3 E E W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here From WALKFIELD GO WAGON 82 Hwy To SIGERA Then Go 2 miles west to QUAIL RD. Then Go 3 miles South

2 WATER WELL OWNER: MIKE NORDBOG
RR#, Street Address, Box #: 1008 WEST MAGNOLIA RD.
City, State, ZIP Code: SALINA, KS 67401

Global Positioning System (GPS) information:
Latitude: (in decimal degrees)
Longitude: (in decimal degrees)
Elevation:
Datum: WGS 84, NAD 83, NAD 27
Collection Method:
 GPS unit (Make/Model:)
 Digital Map/Photo, Topographic Map, Land Survey
Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

3 LOCATE WELL WITH AN "X" IN SECTION BOX:
N
E
S
1 mile

.. NW NE ..
.. SW SE ..

X is in the SW quadrant.

4 DEPTH OF COMPLETED WELL 140' ft.
Depth(s) Groundwater Encountered (1) 92' ft. (2) ft. (3) ft.
WELL'S STATIC WATER LEVEL 65' ft. below land surface measured on mo/day/yr.
Pump test data: Well water was ft. after hours pumping gpm
EST. YIELD 100 gpm Well water was ft. after hours pumping gpm
Bore Hole Diameter 9" in. to 140' ft., and in. to ft.
WELL WATER TO BE USED AS: Public water supply Geothermal Injection well
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Domestic-lawn & garden Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes No TEST WELL FOR IRRIGATION
If yes, mo/day/yr sample was submitted.
Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other
CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter 5" in. to 100' ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 3' in., Weight 50 lbs./ft., Wall thickness or gauge No.
TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)
SCREEN OR PERFORATION OPENINGS: 25/100
 Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole)
 Louvered shutter Key punched Wire wrapped Saw cut Other (specify)
SCREEN-PERFORATED INTERVALS: From 100' ft. to 140' ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 25' ft. to 140' ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
Grout Intervals: From 5' ft. to 25' ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination: None Close
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well
Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Top Soil	116	134	Limestone
1	30	Brown Clay	134	140	Gray Shale
30	38	Limestone			
38	51	Tan Shale			
51	55	Limestone			
55	64	Tan Shale			
64	67	Light Tan C			
67	92	Brown Shale			
92	112	Limestone (water)			
112	116	Brown Shale			

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FEB 12 2014
JUN 20 2013
MAR 21 2018
KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 2/17/2012 this record is true to the best of my knowledge and belief.
Kansas Water Well Contractor's License No. 451 This Water Well Record was completed on (mo/day/year) 10/14/2012
under the business name of Holloway Well Drilling by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>.

(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application
File No. _____

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also 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. I realize that this could affect the economics of my decision to appropriate water.

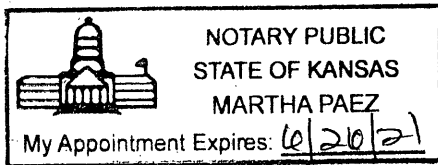
I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Michael J. Norboe
Signature of Applicant

State of Kansas)
County of Saline) ss

Michael J. Norboe
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 19th day of March, 2018.



Martha Paez
Notary Public

My Commission Expires: 6-26-21

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KS Dept Of Agriculture

**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

Water Resources
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STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
1320 RESEARCH PARK DRIVE
MANHATTAN, KS 66502
PHONE: (785) 564-6700
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456
TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

March 26, 2018

MICHAEL J NORDBOE
1008-A W MAGNOLIA ROAD
SALINA KS 67401

RE: Application
File No. 50017

Dear Sir or Madam:

Your application for permit to appropriate water in 26-10S3E in Clay County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6637. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD