

# 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

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11:15  
KS DEPT OF AGRICULTURE

File Number 49920  
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.)

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): MIKE LONG *Michael Long*  
Address: 237 NORTHSIDE DRIVE  
City: HEBRON State: NE Zip Code 68370  
Telephone Number: (402) 768-8615

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in REPUBLICAN RIVER (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 128 / 37.8 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 1400 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>	GMD	<u>0</u>	Meets K.A.R. 5-3-1	(YES / NO)	Use	<u>FRC</u>
Code	<u>REG REC</u>	Fee \$	<u>300</u>	TR #		Source	<u>G/S</u>
						County	<u>CD</u>
						By	<u>AW</u>
						Date	<u>10/6/17</u>
						Receipt Date	<u>10/4/17</u>
						Check #	<u>1567</u>

*10/9/2017 CM*

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 \_\_\_\_\_ quarter of the \_\_\_\_\_ of the **SW**<sup>NE</sup> quarter of Section 18, more particularly described as being near a point 1320 feet North and 3960 feet West of the Southeast corner of said section, in Township 5 South, Range 1 WEST, CLOUD 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):

MICHAEL & ELLEN LONG FAMILY TRUST, 237 NORTHSIDE DRIVE, HEBRON, NE 68370  
(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 Oct 3, 2017. Michael L. Long  
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE or BATTERY WELLS  
(number of wells, pumps or dams, etc.)  
and (was)(will be) 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)

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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.

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 AGENT  
(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):  
MICHAEL & ELLEN LONG FAMILY TRUST, 237 NORTHSIDE DRIVE, HEBRON, NE 68370  
(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 \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 2017  
(month) (year)

Michael L. Long  
(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 \_\_\_\_\_ Date: 10/3/2017  
(office/title)

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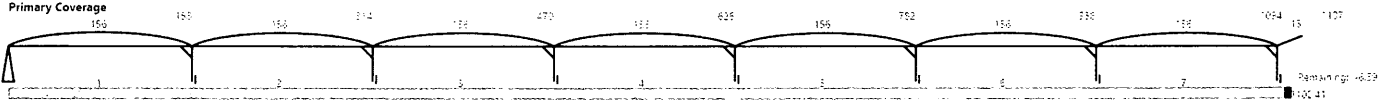
System Length 1,107.00 Total Spans: 7  
 Pivot Center Lat/Long: 39 36' 51.47"N / 97 28' 33.91" W

1st/2nd Endgun Throw: 100  
 Degree of Sweep: 306.44

Total Irrigated Acres: 87.37  
 SAC/SSAC Acres:

Pivot Acres: 75.23  
 Wrap Span Acres:

1st/2nd Endgun Areas: 12.14  
 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:	156'	156'	156'	156'	156'	156'	156'	13'	
Dist - Twr.	158.00 ft'	314.00 ft'	470.00 ft'	626.00 ft'	782.00 ft'	938.00 ft'	1,094.00 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"	

Primary (1st) Endgun Areas by Location							
SR100 (feet)	Degree from North		Degree from Pivot Start		Latitude / Longitude in Degrees		Area Acres
	Start	Stop	Start	Stop	Start	Stop	
Area 1	21.5	144.9	183.0	306.4	39 37' 2.50"N 97 28' 28.02" W	39 36' 41.59"N 97 28' 25.25" W	5.72 acres
Area 2	198.4	336.8	360.0	138.4	39 36' 40.22"N 97 28' 39.03" W	39 37' 2.51"N 97 28' 39.74" W	6.41 acres

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**IRRIGATION USE  
SUPPLEMENTAL SHEET**

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File No. 49920

KS DEPT OF AGRICULTURE

Name of Applicant (Please Print): MIKE LONG

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 & ELLEN LONG FAMILY TRUST

ADDRESS: 237 NORTHSIDE DRIVE, HEBRON, NE 68370

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
18	5	1W										33	33	20	20					106	

**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			

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
<u>Hastings</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

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

Estimate the maximum land slope in the field(s): 6 %

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

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

Other, please describe: \_\_\_\_\_

d. System design features:

i. Describe how you will control tailwater: Pivot, will not have tailwater.

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: 25-30 psi
- (2) What is the sprinkler package design rate? 600 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:

Corn | corn | soybeans

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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).

moisture probe Agwa spy

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





1320 Research Park Drive  
Manhattan, Kansas 66502

Jackie McClaskey, Secretary

Phone: (785) 564-6700  
Fax: (785) 564-6777  
Email: ksag@kda.ks.gov  
www.agriculture.ks.gov  
Sam Brownback, Governor

October 9, 2017

MICHAEL LONG  
237 NORTHSIDE DR  
HEBRON NE 68370

**FILE COPY**

RE: Application  
File No. 49920

Dear Sir or Madam:

Your application for permit to appropriate water in 18-5S-1W in Cloud 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) 564-6645. 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: STOCKTON Field Office  
GMD

MIKE LONG - NEW APPLICATION MAP  
 SEC. 18, T5S, R1W  
 CLOUD COUNTY

49920



1:12,000



Proposed Place of Use

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All known wells within 1/2 mile of the proposed well location are indicated on this map.

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Proposed Point of Diversion

KS DEPT OF AGRICULTURE

Michael L. Long

Jonley Frey  
 2389 Union Rd  
 Clyde KS 66938



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(402) 365 7202

5426 Hwy 136 Deshler, NE  
southcentralirrigation.com

49920



Date: 07/20/2017

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Possible  
Pivot

Grower: Mike Long

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Farm: System Design 1 : 7/20/2017 Field Name: Field Layout 2 : 7/20/2017

Field Area: 149.50 acres

System Model: E2065 KS DEPT OF AGRICULTURE System Length: 1,107.00 ft

Total Irr. Area: 87.37 acres

Number of Spans: 7

