

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49703
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**
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

SEP 12 2016
12:33
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): Donald L. Bogner
Address: 19019 S. Haven Road
City: Haven State KS Zip Code 67543
Telephone Number: (316) 465-7764

2. The source of water is: surface water in _____ (stream)
OR groundwater in Arkansas River Basin - Equus Beds Aquifer (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. **Limited to 171.6 AF + 800 GPM when combined with # 48788*

3. The maximum quantity of water desired is ^{*}171.6 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 <u>2</u>	Meets K.A.R. 5-3-1 (YES / NO) <u>YES</u>	Use <u>IRR</u>	Source <u>G/S</u> County <u>Sen</u>	By <u>AJW</u>	Date <u>9/12/16</u>	
Code <u>LE2</u>	Fee \$ <u>300</u>	TR # _____	Receipt Date <u>9/12/16</u>	Check # <u>2461</u>			

9/13/2016 UM

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-center

(A) One in the SW quarter of the SW quarter of the SW quarter of Section 29, more particularly described as being near a point 550 feet North and 5230 feet West of the Southeast corner of said section, in Township 25 South, Range 3W East/West (circle one), Sedgwick County, Kansas.

South well

(B) One in the SW quarter of the SW quarter of the SW quarter of Section 29, more particularly described as being near a point 260 feet North and 5230 feet West of the Southeast corner of said section, in Township 25 South, Range 3W East/West (circle one), Sedgwick County, Kansas.

North well

(C) One in the NW quarter of the SW quarter of the SW quarter of Section 29, more particularly described as being near a point 840 feet North and 5230 feet West of the Southeast corner of said section, in Township 25 South, Range 3W East/West (circle one), Sedgwick 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):

Donad L. Bogner, Duane J. Bogner, David J. Bogner, 19019 S. Haven Road, Haven, KS 67543. 620-465-7764
(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 9-8, 2016. Donad L Bogner Trustee
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 Battery of 2 wells
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) Completed on 6/16/2015 under No. 48788
(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, 2017
(Mo/Day/Year)

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		10/28/14	10/28/14	
Total depth of well		70'	70'	
Depth to water bearing formation		39'	39'	
Depth to static water level		44'	44'	
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 Co-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):
Donald L. Bogner, Duane J. Bogner, David J. Bogner, 19019 S. Haven Road, Haven, KS 67543. 620-465-7764
(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 Andale, Kansas, this 8 day of Sept, 2016.
(month) (year)

Donald L. Bogner Justice
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by T. Boese GMD2/Manager Date: 9-2-16
(office/title)

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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 NA
- If no, explain here why a Water Structures permit is not required NA

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.

Water Permit No. 48788 - Same PD, partial place of use overlap. Change application being filed on
48788 to create identical place of use overlap.

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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WATER WELL RECORD

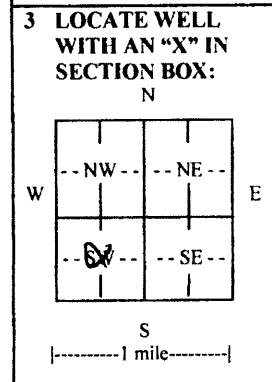
Form WWC-5

Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Harvey Fraction 1/4 1/4 1/4 SW 1/4 Section Number 29 Township No. T 25 S Range Number R 3 [] E [X] W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here []. W 85th St N and N 295th St W WELL #1 Global Positioning System (GPS) information: Latitude: Longitude: Elevation: Datum: [] WGS 84, [] NAD 83, [] NAD 27

2 WATER WELL OWNER: Boegner Dairy RR#, Street Address, Box #: 19019 S. Haven City, State, ZIP Code : Haven, KS 67543 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: 4 DEPTH OF COMPLETED WELL 70 ft. Depth(s) Groundwater Encountered (1) 44 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 44 ft. below land surface measured on mo/day/yr. Pump test data: Well water was ft. after hours pumping gpm EST. YIELD 300 gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 30 in. to 70 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) [X] Irrigation [] Industrial [] Domestic-lawn & garden [] Monitoring well Was a chemical/bacteriological sample submitted to Department? [] Yes [X] No If yes, mo/day/yr sample was submitted. Water well disinfected? [X] Yes [] No

5 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [X] Glued [] Clamped [] Welded [] Threaded Casing diameter .16 in. to .70 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface .12 in., Weight .16 lbs./ft., Wall thickness or gauge No. SCH40 TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [X] PVC [] Other (Specify) [] Brass [] Galvanized Steel [] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [] Continuous slot [] Mill slot [] Gauze wrapped [] Torch cut [] Drilled holes [] None (open hole) [] Louvered shutter [] Key punched [] Wire wrapped [X] Saw cut [] Other (specify) SCREEN-PERFORATED INTERVALS: From 50 ft. to 70 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 70 ft., From ft. to ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [] Other Grout Intervals: From 3 ft. to 20 ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: [] Septic tank [] Lateral lines [] Pit privy [] Livestock pens [] Insecticide storage [X] 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 NONE - OPEN FIELD Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	39	Clay			
39	45	Fine Sand			
45	67	Medium Sand w/few clay layers			
67	70	Shale			
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KS DEPT OF AGRICULTURE					

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo/day/year) 10/28/2014 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 238 This Water Well Record was completed on (mo/day/year) 10/30/2014 under the business name of Premier Pump & Well Service, Inc. 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 one copy 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

WATER WELL RECORD

Form WWC-5

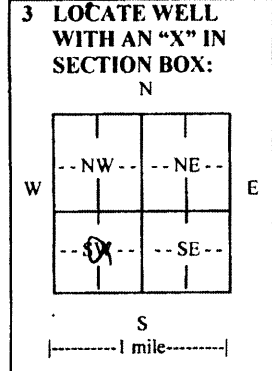
Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Harvey	Fraction 1/4 1/4 1/4 SW 1/4	Section Number 29	Township No. T 25 S	Range Number R 3	<input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here
W 85th St N and N 295th St W
WELL #2

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

2 WATER WELL OWNER: Boqner Dairv
RR#, Street Address, Box #: 19019 S. Haven
City, State, ZIP Code : Haven. KS 67543



4 DEPTH OF COMPLETED WELL 70 ft.

Depth(s) Groundwater Encountered (1) 44 ft. (2) ft. (3) ft.
WELL'S STATIC WATER LEVEL 44 ft. below land surface measured on mo/day/yr.....
Pump test data: Well water wasft. after hours pumping gpm
EST. YIELD 300 gpm. Well water wasft. after hours pumping gpm
Bore Hole Diameter 30 in. to 70 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
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 .16 in. to .70 ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface 12 in., Weight 16 lbs./ft., Wall thickness or gauge No. SCH40
TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel PVC Other (Specify)
 Brass Galvanized Steel None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE:
 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 50 ft. to 70 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 20 ft. to 70 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

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Grout Intervals: From 3 ft. to 20 ft., From ft. to ft., From ft. to ft.

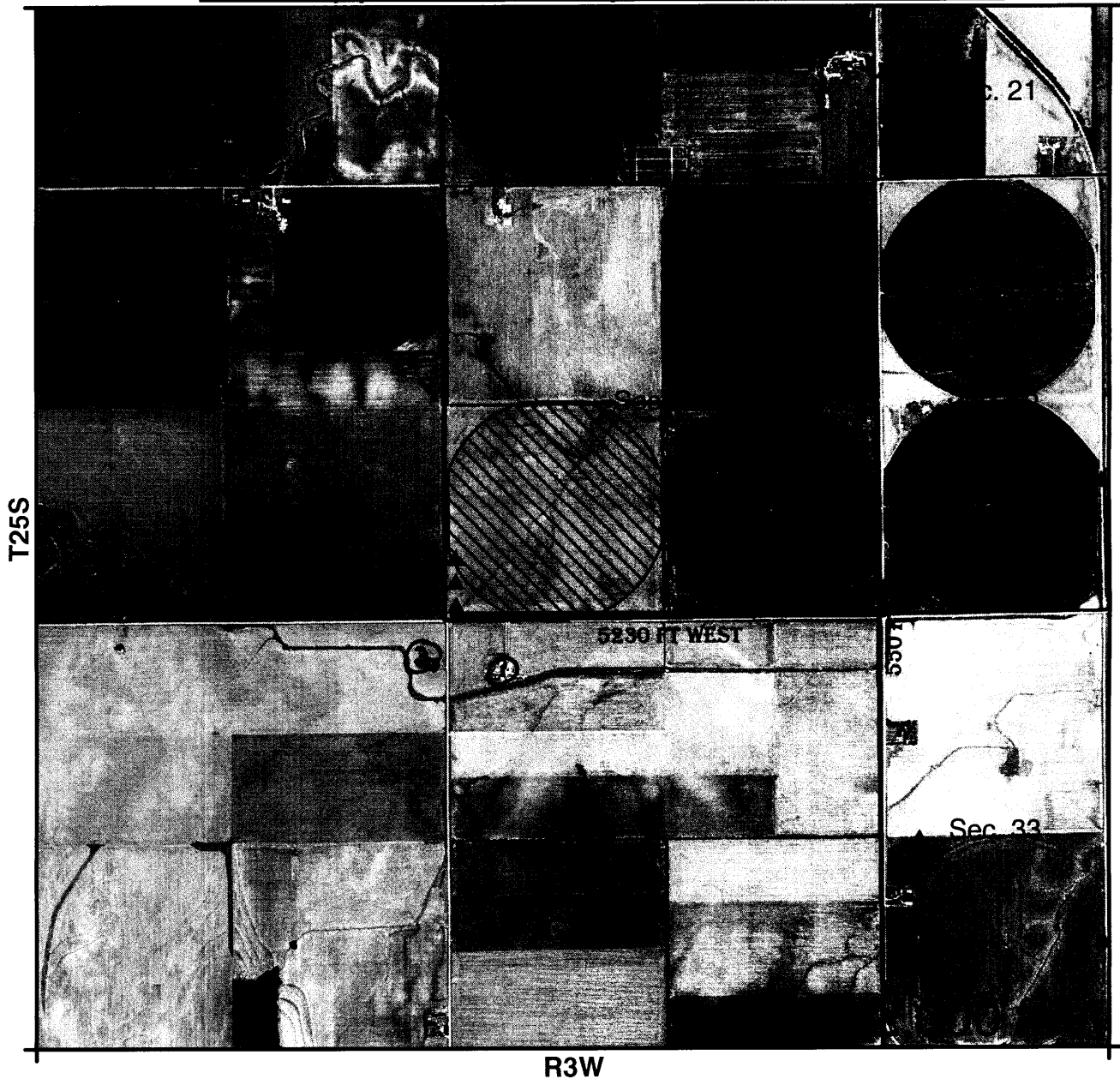
What is the nearest source of possible contamination:
 Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below)
 Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well
 Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well NONE - OPEN FIELD
Direction from well Distance from well

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	39	Clay			
39	45	Fine Sand			
45	67	Medium Sand w/few clay layers			
67	70	Shale			
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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) 10/28/2014 and this record is true to the best of my knowledge and belief.
Kansas Water Well Contractor's License No. 238 This Water Well Record was completed on (mo/day/year) 10/30/2014 under the business name of Premier Pump & Well Service, Inc. 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 one copy 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>

New Application Proposed Place of Use



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

Donald L. Bogner Trustee
Signature

9-8-16
Date

New Application

Application No. 000 To Change:

- Point of Diversion
- Place of Use
- Use Made of Water

- Proposed Point of Diversion
- Existing Points of Diversion
- Proposed Place of Use
- Authorized Place of Use

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See attached list for surrounding well owners

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49,703

Name of Applicant (Please Print): Donald L. Bogner

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: Donald L. Bogner, Duane J. Bogner, David J. Bogner

ADDRESS: 19019 S. Haven Road, Haven, KS 67543

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
29	25S	3W																	132

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
<u>Avans Loam</u>	<u>18</u>	<u>0.60-2.00</u>	<u>7</u>
<u>Blanket Silt Loam</u>	<u>44</u>	<u>0.20-0.60</u>	<u>3</u>
<u>Vanoss Silt Loam</u>	<u>38</u>	<u>0.60-2.00</u>	<u>5</u>
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 0-1 %

Estimate the maximum land slope in the field(s): 1 %

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: Will schedule and apply irrigation to eliminate run-off

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 40 psi

(2) What is the sprinkler package design rate? 750 ~~700~~ 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? 5 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, milo, wheat

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). Crop consultant

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

Water Wells Within ½ Mile

1. Domestic Well
Robert & Kathleen Dick
29311 W. 85th Street North
Mount Hope, KS 67108

2. Domestic Well
Winterland LLC
25930 W. 77th Street North
Mount Hope, KS 67108

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49,703

A & B Tool Sales

=====

Receipt # 43208

DATE OF PAYMENT: 09/08/2016

CUSTOMER

Acct# 1344
SHOP: 96 AG
TANNER EMERICK
214 S PPLAR
WICHITA KS 67211
316-390-9346

AUTHORIZED DEALER

Brian Unruh
A & B Tool Sales
2630 W 58TH CT N
WICHITA KS 67204
316-253-6429

Account Type : Time Payment
Method : Check
TP Min. Payment: \$11.17 (Every 7 Days)
NEXT WEEKLY PAYMENT DUE \$11.17

BALANCE SUMMARY

Account	Opening	Payment	Closing
Time Payment/Open Account	249.85	75.00	174.85
Extended Credit	0.00	0.00	0.00
	249.85	75.00	174.85

Sprinkler Models:

- Senn, IWOB, UP3
- Senn, IWOB W/Reg, UP3
- Senn, LDN, UP3
- Senn, LDN, W/Reg, UP3
- Nelson, O3000
- Nelson, O3000 W/ST Reg
- Nelson, D3000
- Nelson, D3000 W/ST Reg
- Nelson, R3000
- Nelson, R3000 W/ST Reg

Plate Type:

- Blue
- Black
- White
- Green
- Orange
- Flat
- Concave
- Convex
- Chem
- 6GRV
- 9GRV
- 24GRV
- 33GRV

Throw: LOW STD

Weight Poly Steel Nozzle

Size One

Pressure Regs. Ne. Blue Nel. Red Senn. PSR

Reg. Size 6 PSI 10 PSI 15 PSI 20 PSI

End Gun Type: SR 100 SR-75 New
 2-P85s 1-P85 Rebuilt
 BP 3 HP 5 HP

Drop Poly Hose PVC FxF
 Blk Red FxM

Loop Stainless Senniger 180° 96
 MxM MxHB 125° LMC

3						
4	↓	↓	↓	↓	↓	↓
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
O.H.	33'	5 9/16	30"	4	4'6"	10

O.H. _____
 Total Length: 1270 No. of Outlets: 165
 Field Elev. 5 ft. Below Pivot Point
 Field Elev. 5 ft. Above Pivot Point

NF TRAX Agri-Trac Tubes
 Tire Size: 11.2 x 24 11 x 22.5
 14.9 x 24 11.2 x 38

LAST TWR TIRE SIZE _____

Other Nozzling Information _____

Nozzle Package

- 96 Agri
- LMC
- Other _____

Field Conditions

Mowed	
Soil Type	
Crop	
Wire Size	
12 ga.	X
10 ga.	
8 ga.	

Pivot Style

- Standard Duty with Braces
- Compact - ZTECH
- Heavy Duty
- Non-Towable
- Towable
- Valley Feet
- HD Anchor
- Standard Anchor

Pivot Panel Style

- Field Basic
- Field Vision
- Field Boss
- Field Net _____

- | | | | |
|----------|-------------------------------------|--------------------------|-------------------------------------|
| QTY | LMC | 96 | |
| <u>1</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Auto Restart _____ |
| <u>1</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Auto Reverse, Any Tower <u>LAST</u> |
| <u>2</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Barricade |
| <u>1</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Flush Out Kit |
| | <input type="checkbox"/> | <input type="checkbox"/> | Pivot Skids |
| | <input type="checkbox"/> | <input type="checkbox"/> | Disconnect _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Hookup Pipe _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Auto Restart _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Pressure Restart _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Chemigation, Pump _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Chemigation, Male Plug _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Chemigation, Female Plug _____ |

- | | | | |
|----------|-------------------------------------|-------------------------------------|----------------------------------|
| QTY | LMC | 96 | |
| <u>1</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | End Tower Light _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Strobe Light _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Rotophase _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Generator _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Auto Drain _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Auto Dry Track _____ |
| <u>1</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Flushout, Sandtrap W"B, Valve 8' |
| <u>1</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | End Drop Gauge Assy. _____ |
| <u>4</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Drop Valves <u>4ST 4 Drops</u> |
| <u>1</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Boots and Clamps <u>at P.P.</u> |
| | <input type="checkbox"/> | <input type="checkbox"/> | Z Drain _____ |
| | <input type="checkbox"/> | <input type="checkbox"/> | Cable Theft Clamps _____ |

Type of Power: 3 Phase 1 Phase
 Roto Phase Location: Pivot Point REA Pole
 Generator Location: _____ _____
 Pivot(s) Staked: Yes Existing
 Pad Type: Zimm New

Mount Panel
N S E W
 Riser Location
 N S E W

Layout Sketch



SPECIAL INSTRUCTIONS

SWAP END GUN

99,703

96 Agri Sales Inc

316.661.2281

10400 N. 247th St. W

Ht Hope, KS 67108

Date: 1/5/2015

Chart No: Bogner Bros, Mt. Hope, 750GPM, IWOB

Page 2

Dealer:

96 AGRI-SALES, INC.
MT. HOPE, KS
6079-10

Customer:

Bogner Bros
Mt. Hope
750GPM

Comments:

Machine

Mfg:	Lindsay
Flow:	750.00 gpm
Pivot Pressure:	28.67 psi
Base Press	33.23 psi
End Pressure:	20.00 psi
Spacing:	Span dependent
Length:	1281.53 ft
GPM / Acre:	5.89 gpm
Average Drop:	10.0 ft
End Gun:	P85A Single 21/32
End Gun Throw:	61.0 ft
Booster pump	None

Pipes

C Factor: 140
 Pipe 1: 1236.7 ft, 6.39 inch ID
 Pipe 2: 44.9 ft, 5.37 inch ID

Elevation

Difference above(+) pivot 0.00
 Difference below(-) pivot 0.00
 Elevation Rise included in calculation

Sprinklers

170 IWob UP3
 (170)Low Ang 9



Regs

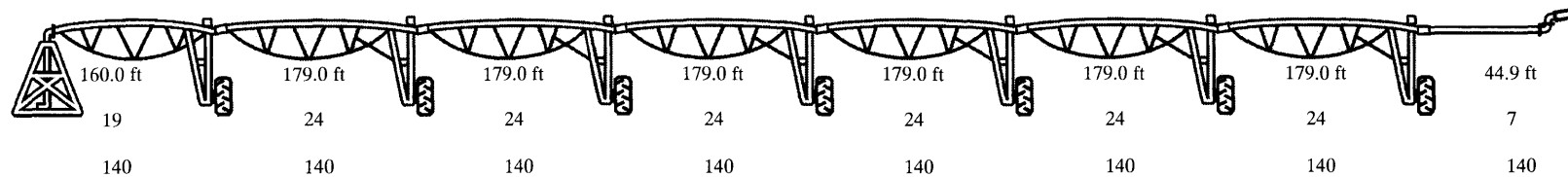
Position : Bottom
 170 PSR-10

WATER RESOURCES RECEIVED

SEP 12 2016

KS DEPT OF AGRICULTURE

Spans # 7



33.23 psi

49,703

96 Agri Sales Inc

316.661.2281

10400 N. 247th St. W

Ht Hope, KS 67108

Date: 1/5/2015

Chart No: Bogner Bros, Mt. Hope, 750GPM, IWOB

Page 5

Dealer:

96 AGRI-SALES, INC.
MT. HOPE, KS
6079-10

Customer:

Bogner Bros
Mt. Hope
750GPM

Comments:

WATER RESOURCES RECEIVED
 SEP 12 2016
 KS DEPT OF AGRICULTURE

Precipitation

Circle Degree 360

Delivered Flow: 752.81 gpm
 Length: 1281.53 ft
 Area: 127.29 acre
 Distance to last tower: 1236.66 ft
 Speed of last tower: 11.11 ft
 GPM / Acre: (360) 5.89 gpm
 Time for coverage: 11.66Hrs
 Tire Size NFT
 Motor loaded speed (RPM) 1725
 Center gear box reduction (RATIO) 40:1
 Wheel gear box reduction (RATIO) 50:1
 End Gun Throw: 61.0 ft

<u>Depth</u>	<u>Timer</u>	<u>Rotation</u>
0.15 inch	100.00%	11.7hrs
0.20 inch	75.87%	15.4hrs
0.30 inch	50.58%	23.0hrs
0.40 inch	37.94%	30.7hrs
0.50 inch	30.35%	38.4hrs
0.60 inch	25.29%	46.1hrs
0.70 inch	21.68%	53.8hrs
0.80 inch	18.97%	61.5hrs
0.90 inch	16.86%	69.1hrs
1.00 inch	15.17%	76.8hrs
1.25 inch	12.14%	96.0hrs
1.50 inch	10.12%	115.2hrs
2.00 inch	7.59%	153.6hrs
2.50 inch	6.07%	192.0hrs

Caution**This chart is an estimate of the performance for your irrigation system. Tire inflation, tire slippage, soil conditions, flow fluctuations and other conditions can cause application and time deviations. The info above should be used as a guide and used with caution.

9-8-16

(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. 49,703

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.

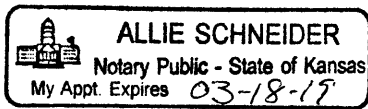
I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Donald L. Bogner Trustee
Signature of Applicant

State of Kansas)
County of Sedgwick) ss

Donald L. Bogner Trust
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 8th day of September, 2016.



Allie Schneider
Notary Public

My Commission Expires: 03-18-19

WATER RESOURCES
RECEIVED

SEP 12 2016

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



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

September 12, 2016

DONAL L BOGNER
19019 S HAVEN RD
HAVEN KS 67543

FILE COPY

RE: Application
File No. 49703

Dear Sir or Madam:

Your application for permit to appropriate water in 29-25S-3W in Sedgwick 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,

Brent A Turney, P.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: STAFFORD Field Office
GMD 2