

# 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, Acting Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

Water Resources Received
SEP 27 2019 12:45
KS Dept Of Agriculture

File Number 50299-A
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, Kansas 66502:

- 1. Name of Applicant (Please Print): Dale Koop
Address: 2465 Hwy 15
City: Abilene State KS Zip Code 67410
Telephone Number: (785) 479-3753
2. The source of water is: [X] surface water in tributary to Hobbs Creek (stream)
OR [ ] groundwater in (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 397 acre-feet OR gallons per calendar year, to be diverted at a maximum rate of 1500 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) [X] 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 Meets K.A.R. 5-3-1 (YES/NO) Use RR Source G(S) County MN By DAW Date 9/27/18
Code RE3 Fee \$ 320 TR # Receipt Date 9/27/18 Check # 1213

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 NW quarter of the NW quarter of the NE quarter of Section 4, more particularly described as being near a point 4630 feet North and 2594 feet West of the Southeast corner of said section, in Township 17 South, Range 1 East West (circle one), Marion 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 Sept. 27, 2019 Dale Kopp  
Applicant's Signature

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

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

and (was) will be completed (by) June /20/2019  
(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 12/1/19  
(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 DMN 0072
- 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.

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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 Abilene, Kansas, this 27 day of Sept., 2019.  
(month) (year)

Dale Hoge  
(Applicant Signature)

By \_\_\_\_\_  
(Agent or Officer Signature)

\_\_\_\_\_  
(Agent or Officer - Please Print)

Assisted by Sarah Zerger Agronomist, Crop Service Center Date: Sept. 27, 2019  
(office/title)

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## IRRIGATION USE SUPPLEMENTAL SHEET

File No. 50299-A

Name of Applicant (Please Print): Dale Koop

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: Dale Koop  
ADDRESS: 2465 Hwy 15 Abilene KS 67410

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
4	17	1E										6	4	16	39	7	7	45	25	149
9	17	1E	2	19			27	38	16	4										106

**Landowner of Record** NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

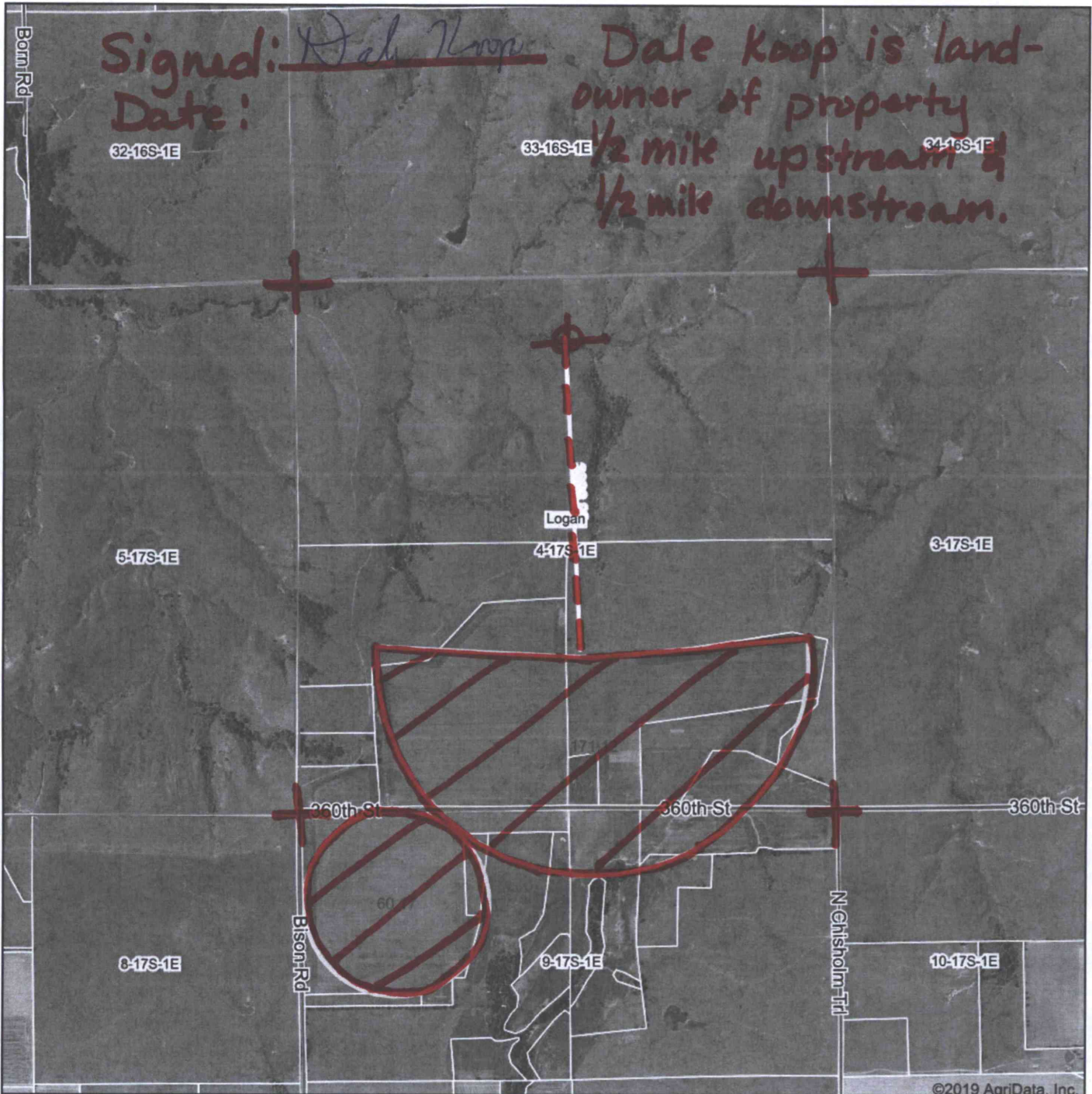
S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		

**Landowner of Record** NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

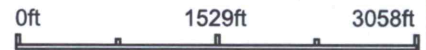
S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		

5099-A

# Aerial Map



Map Center: 38° 36' 6.94, -97° 19' 33.44



**4-17S-1E**  
**Marion County**  
**Kansas**

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KS Dept Of Agriculture 9/26/2019



Field borders provided by Farm Service Agency as of 5/21/2008.

- place of use

- section corner

- place of dam/diversion

- proposed pipeline to move diverted water



\_\_\_\_\_  
(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. 50299-A

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.

Dale Hoop  
Signature of Applicant

Dale Hoop  
(Print Applicant's Name)

State of Kansas )  
County of Dickinson ) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 26 day of Sept., 2019.

Debra Davis  
Notary Public

My Commission Expires: 10-29-2021

**Debra Davis**  
Notary Public - State of Kansas  
My Commission Expires 10-29-21

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**REGISTRATION FORM FOR EXEMPT CLASS A DAMS**

**K.S.A. 82a-301**

"Dam" means any artificial barrier including appurtenant works with the ability to impound water, waste water or other liquids that has a height of 25 feet or more; or has a height of six feet or greater and a storage volume at the top of the emergency spillway elevation of 50 or more acre-feet. The prior written consent or permit of the chief engineer shall not be required for construction or modification of a hazard class A dam that:

1. has a height of less than 30 feet and a storage volume at the top of the emergency spillway elevation of less than 125 acre feet, **and the dam location and dimensions have been registered with the division of water resources in a written form prescribed by the chief engineer; or**
2. is a wastewater storage structure for a confined feeding facility that has been approved by the secretary of health and environment pursuant to K.S.A. 65-171d, and amendments thereto.

**Complete the following information to satisfy the registration for exempt low, hazard class A dams defined in K.S.A. 82a-301(d)(1).**

**Dam owner information**

Name: Dale Koop  
 Mailing Address: 2465 Highway 15 Abilene, KS 67410  
 Phone: 785 263-3037  
 E-mail Address: dale@cropservicecenter.com

**Legal description of location:** The location of the proposed dam is (use intersection of project centerline and stream centerline): NW quarter of the NW quarter of the NE quarter of Section 4, more particularly described as being near a point 4630 feet North and 2594 feet West of the Southeast corner of said section, in Township 17 South, Range 1 (East/West) Marion County, Kansas, across, along, or in (stream or watercourse name): Tributary to Hobbs Creek.

**Drainage area (acres):** 203.6

*Use intersection of dam centerline and stream centerline as drainage area point.*

**Dam height (feet):** 29.0

*The height of a dam or barrier shall be measured from the lowest elevation of the streambed, downstream toe or outside limit of the dam to the elevation of the top of the dam.*

**Area capacity table:** Please attach a reservoir area capacity table for the dam. The table identifies the number of acres enclosed by each contour within the reservoir area and the total storage capacity of the reservoir in acre-feet at the elevation of each contour. The data shall be compiled for all contours in the reservoir up to the elevation of the top of the dam. Computations of capacity shall be based on the natural topography of the reservoir basin but may include the volume of any excavation in the reservoir made during construction of the dam. **The storage in acre-feet must be shown in the table for the proposed emergency spillway elevation. This will be used to identify the jurisdiction of the dam.**

**Location map:** Submit a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the location and layout of the proposed dam, the location of the stream, and the property lines. The distance from the North-South distance and the East-West distance from a section line or southeast corner of section should be marked on the map along with a north arrow and map scale.

**Hazard class determination:** List any homes, businesses, highways, improved roads, railroads, camp grounds, recreational facilities, or public utilities located downstream from the dam that could be inundated if the dam fails.

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# DALE KOOP IRRIGATION STORAGE RESERVOIR AREA CAPACITY TABLE

RESERVOIR CAPACITY TABLE

Elevation	Area (acres)	Storage (acre-feet)	Total Storage (acre-feet)	Outflow (cfs)
31.0	0	0	0	
32.0	0.01	0.01	0.01	
36.0	0.44	0.9	0.9	
40.0	1.62	4.1	5.0	
44.0	3.14	9.5	14.5	
48.0	5.18	16.6	31.2	
52.0	7.52	26.0	57.2	
Crest of Riser 53.5	8.20	12.5	69.7	0
54.0	9.17	4.5	74.2	7.1
Crest of Aux. Spwy 55.3	10.15	12.5	86.7	37.8
56.0	10.53	7.2	93.9	106
58.0	11.90	22.4	116.3	838
Top of Dam 59.0	12.59	12.2	128.5	1413
60.0	13.28	12.9	141.5	

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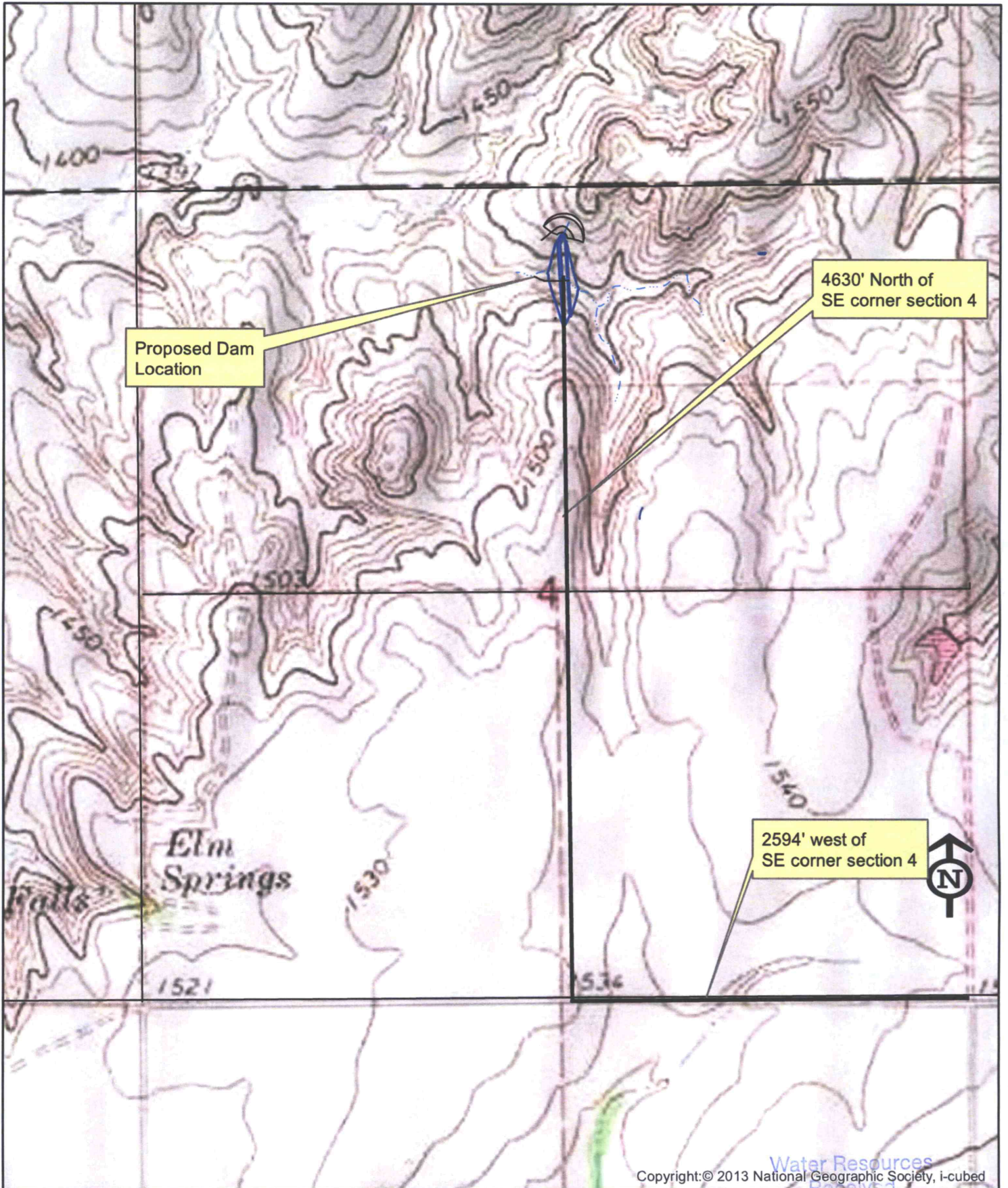
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# Dale Koop Irrigation Dam

50299A



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1,000 500 0 1,000 2,000 3,000 Feet

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## FEE SCHEDULE

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

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

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

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

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

### MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

#### ATTENTION

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

#### CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

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**Baum, Kristen [KDA]**

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**From:** Sarah Zerger <sarah@cropservicecenter.com>  
**Sent:** Friday, September 27, 2019 2:38 PM  
**To:** Baum, Kristen [KDA]  
**Subject:** Dale Koop Water Appropriation Permit  
**Attachments:** 2018-06-20 DMN-0072 Class A Exempt-28 ft tall & 86.7 ac ft.pdf; Natural spring.docx; 2018-06-15 DMN-0072 Dam Registration Application rcd by E-mail.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

*EXTERNAL:* This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Kristen,

I forgot to put these in the folder that was brought in for Dale Koop earlier today.

The water structure/dam that was built this past June was modified, but the paperwork doesn't show the addition. The drainage area is now supposed to be 210 acres, rather than 203 acres. I am not sure if any of the other paperwork for this dam shows those numbers. \

Let me know if you have any questions or need any additional information.

Thank you,  
Sarah Zerger

--  
Sarah Zerger  
Crop Service Center-Abilene  
Office: (785) 263-3037  
Cell: (316) 217-1687  
[sarah@cropservicecenter.com](mailto:sarah@cropservicecenter.com)

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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

June 20, 2018

DALE KOOP  
2465 HIGHWAY 15  
ABILENE KS 67410

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RE: Low Hazard Dam Registration  
WSN: DMN-0072

Dear Mr. Koop:

Please accept this letter as confirmation that your proposed dam is exempt from the dam safety permit requirements specified in K.S.A. 82a-301(a), and your proposed dam location has been registered in our records.

You reported that your proposed dam is located in the NW 1/4 of the NW 1/4 of the NE 1/4 of Section 4, Township 17 South, Range 1 East in Marion County. You also reported that the proposed dam has a height of 28 feet, and a storage volume of 86.7 acre-feet at the emergency spillway elevation. We verified that your proposed dam qualifies for the hazard class A permit exemption specified in K.S.A. 82a-301(d)(1).

Please note that your dam may be reclassified to a hazard class B or C in the future as a result of improvements or changes on downstream properties. If that occurs, you will be required to obtain a dam safety permit for the existing dam. This may require redesign and partial reconstruction of the dam to meet applicable dam safety standards.

Should you have any questions, please feel free to contact me at (785) 564-6651, or e-mail me at Mikayla.Kortan@ks.gov.

Sincerely,

*Mikayla Kortan*

Mikayla Kortan  
Water Structures Engineer

Pc: Brian Lang – Wood Plc.

50299A

**Darrah, Jean [KDA]**

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**From:** Ketter, Ambrose [KDA]  
**Sent:** Tuesday, June 19, 2018 8:44 AM  
**To:** Kortan, Mikayla [KDA]  
**Cc:** Darrah, Jean [KDA]  
**Subject:** FW: Dam Registration Form  
**Attachments:** DAM REGISTRATION EXEMPTION FORM completed.pdf; DWR Capacity Table.pdf; DWR Location Map.pdf; HazardMap.pdf

Assigned to Mikayla

Ambrose J. Ketter, P.E.  
Dam Safety Team Leader  
Division of Water Resources  
Kansas Department of Agriculture  
(785) 564-6653  
[Ambrose.Ketter@ks.gov](mailto:Ambrose.Ketter@ks.gov)  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

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**From:** Lang, Brian [<mailto:brian.lang@woodplc.com>]  
**Sent:** Friday, June 15, 2018 11:07 AM  
**To:** Ketter, Ambrose [KDA]  
**Subject:** RE: Dam Registration Form

Ambrose,

The attached information is for an irrigation storage dam I have designed for a local land owner. It meets the exemption requirements as stated in #8 of the Guidance Document for implementation of HB 2363. If any questions, contact Mr. Koop using the information on the form or me at my contact information below. Mr. Koop plans on applying for a water appropriation permit later this year after the structure is installed.

**Brian Lang, P.E.**  
**Senior Engineer**  
Wood Environment and Infrastructure, Inc.  
100 SE 9<sup>th</sup> St. STE 400  
Topeka, KS 66612  
Cell: 785.479.1065  
[brian.lang@woodplc.com](mailto:brian.lang@woodplc.com)    [www.woodplc.com](http://www.woodplc.com)

**wood.**

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Received

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**From:** Ketter, Ambrose [KDA] [<mailto:Ambrose.Ketter@ks.gov>]  
**Sent:** Tuesday, January 30, 2018 10:55 AM  
**To:** Lang, Brian <[brian.lang@amecfw.com](mailto:brian.lang@amecfw.com)>  
**Cc:** McQuillen, Cindy [KDA] <[Cindy.McQuillen@ks.gov](mailto:Cindy.McQuillen@ks.gov)>; Darrah, Jean [KDA] <[Jean.Darrah@ks.gov](mailto:Jean.Darrah@ks.gov)>; Hunninghake,

Kimberly [KDA] <[Kimberly.Hunninghake@ks.gov](mailto:Kimberly.Hunninghake@ks.gov)>

**Subject:** Dam Registration Form

Mr. Lang, attached is the Dam Registration Exemption Form. Please fill this out and submit it along with the additional requirements listed on the form. You can do this through e-mail or send hard copies to me at 1320 Research Park Drive, Manhattan, KS 66502.

If your dam meets the requirements for an exempt structure, we will forward the information to our Stream Obstructions team for review. Additional information may be needed from them as well as our Water Appropriations team.

Ambrose J. Ketter, P.E.  
Water Structures Engineer  
Division of Water Resources  
(785) 564-6653  
(My e-mail address has changed.)  
[Ambrose.Ketter@ks.gov](mailto:Ambrose.Ketter@ks.gov)  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

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**REGISTRATION FORM FOR EXEMPT CLASS A DAMS**

**K.S.A. 82a-301**

"Dam" means any artificial barrier including appurtenant works with the ability to impound water, waste water or other liquids that has a height of 25 feet or more; or has a height of six feet or greater and a storage volume at the top of the emergency spillway elevation of 50 or more acre-feet. The prior written consent or permit of the chief engineer shall not be required for construction or modification of a hazard class A dam that:

1. has a height of less than 30 feet and a storage volume at the top of the emergency spillway elevation of less than 125 acre feet, **and the dam location and dimensions have been registered with the division of water resources in a written form prescribed by the chief engineer; or**
2. is a wastewater storage structure for a confined feeding facility that has been approved by the secretary of health and environment pursuant to K.S.A. 65-171d, and amendments thereto.

Complete the following information to satisfy the registration for exempt low, hazard class A dams defined in K.S.A. 82a-301(d)(1).

**Dam owner information**

Name: Dale Koop

Mailing Address: 2465 Highway 15 Abilene, KS 67410

Phone: 785 263-3037

E-mail Address: dale@cropservicecenter.com

**Legal description of location:** The location of the proposed dam is (use intersection of project centerline and stream centerline): NW quarter of the NW quarter of the NE quarter of Section 4, more particularly described as being near a point 4630 feet North and 2594 feet West of the Southeast corner of said section, in Township 17 South, Range 1 (East/West) Marion County, Kansas, across, along, or in (stream or watercourse name): Tributary to Hobbs Creek.

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**Drainage area (acres):** 203.6

*Use intersection of dam centerline and stream centerline as drainage area point.*

**Dam height (feet):** 29.0

*The height of a dam or barrier shall be measured from the lowest elevation of the streambed, downstream toe or outside limit of the dam to the elevation of the top of the dam.*

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**Area capacity table:** Please attach a reservoir area capacity table for the dam. The table identifies the number of acres enclosed by each contour within the reservoir area and the total storage capacity of the reservoir in acre-feet at the elevation of each contour. The data shall be compiled for all contours in the reservoir up to the elevation of the top of the dam. Computations of capacity shall be based on the natural topography of the reservoir basin but may include the volume of any excavation in the reservoir made during construction of the dam. **The storage in acre-feet must be shown in the table for the proposed emergency spillway elevation. This will be used to identify the jurisdiction of the dam.**

**Location map:** Submit a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the location and layout of the proposed dam, the location of the stream, and the property lines. The distance from the North-South distance and the East-West distance from a section line or southeast corner of section should be marked on the map along with a north arrow and map scale.

**Hazard class determination:** List any homes, businesses, highways, improved roads, railroads, camp grounds, recreational facilities, or public utilities located downstream from the dam that could be inundated if the dam fails.

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The point of diversion, for the proposed water appropriation, is fed by a natural spring that has a natural flow of 50-250 gallons per minute year-round. The spring was looked at by an environmental specialist before construction of dam that indicated the natural flow. The spring does not fall below the 50 gallons per minute at any point during the year.

Any questions, please contact Dale Koop (785) 479-3753.

Thank you for taking this into consideration.

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