

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 50153
This item to be completed by the Division of Water Resources.

Water Resources
Received

OCT 29 2018

1:10

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, Kansas 66502:

1. Name of Applicant (Please Print): Knight Feedlot, Inc.
Address: 1768 Avenue J
City: Lyons State KS Zip Code 67554
Telephone Number: (620) 257-5106

2. The source of water is: surface water in _____ (stream)
OR groundwater in Cow Creek (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 100 acre-feet OR _____ gallons per calendar year,
to be diverted at a maximum rate of 80 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. 2 GMD 5 Meets K.A.R. 5-3-1 (YES / NO) Use STK Source G S County RC By DAW Date 10/29/18
Code REG Fee \$ 200 TR # _____ Receipt Date 10/29/18 Check # 0023

11/1/2018 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.

- (A) One in the SE quarter of the NE quarter of the NE quarter of Section 15, more particularly described as being near a point 4170 feet North and 13 feet West of the Southeast corner of said section, in Township 19 South, Range 8 East/West (circle one), Rice 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):

Knight Farms, Inc., 1768 Avenue J, Lyons, KS 67554 620-257-5106

(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 October 23, 2018 X

[Signature]
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 one well

(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) 12/31/2018

(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 03/31/2019

(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.

Water Right File Nos. A 50080, A 50079, A 50078, A 50093, A 50094, A 47276, A 47277, A 34290, A 38175 and A 38177

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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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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	<u>Unknown</u>	_____	_____	_____
Total depth of well	<u>230'</u>	_____	_____	_____
Depth to water bearing formation	<u>Unknown</u>	_____	_____	_____
Depth to static water level	<u>80'</u>	_____	_____	_____
Depth to bottom of pump intake pipe	<u>220'</u>	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of _____
(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 Lyons, Kansas, this 23 day of October, 2018.
(month) (year)

X [Signature]
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by _____ Date: _____
(office/title)

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KS Dept Of Agriculture

**STOCKWATER USE
SUPPLEMENTAL SHEET**

File No. 50153

Name of Applicant (Please Print): Knight Feedlot, Inc.

1. Please indicate type of livestock (cattle, hogs, etc.): Cattle (greater than 700 pounds)

2. Please complete the following table showing past and present water requirements:

PAST NUMBER OF HEAD AND WATER DIVERTED, IF APPLICABLE

LAST 5 YEARS	NUMBER OF HEAD	WATER DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
5 years ago	8,575	42,340,150	12.92
Last year	11,875	50,847,140	11.75
Present Year	13,442	22,041,410	10.90

3. Please complete the following table showing estimated future water requirements:

ESTIMATED FUTURE NUMBER OF HEAD AND WATER DIVERTED

NEXT 5 YEARS	NUMBER OF HEAD	WATER TO BE DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
Year 1	30,000	114,975,000	10.5
Year 2	30,000	114,975,000	10.5
Year 3	30,000	114,975,000	10.5
Year 4	30,000	114,975,000	10.5
Year 5	30,000	114,975,000	10.5

Please attach any additional information, tables, or curves showing past, present and estimated future water requirements to substantiate the amount of water requested.

4. Please designate the legal description of the location where the water is to be used. Show in the space provided below the Section (S), Township (T), and Range (R), and the number of acres in each forty acre tract or fractional portion thereof.

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
23	19	8W	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640

50153

5. Show quantities of water used and all associated water uses at the feedlot such as water used in feed mills, cooling of animals, washing, flushing of wastes, etc.:

DRINKING

30,000 head of Cattle x 10.5 gallons/head (avg.) x 365 days = 114,975,000 gallons

_____ head of _____ x _____ gallons/head (avg.) x _____ days = _____ gallons

_____ head of _____ x _____ gallons/head (avg.) x _____ days = _____ gallons

COOLING

_____ gallons/hour x _____ hour/day x _____ days = _____ gallons

SANITATION

_____ g.p.m. x 60 min/hr x _____ hr/wk x _____ wks/yr = _____ gallons

OTHER USE (Explain) _____ = _____ gallons

TOTAL ----- 114,975,000 gallons

6. Show location of present and future location of confinement pens on your attached maps or photographs.

7. Total feed bunk space for cattle or livestock is 30,000 linear feet.

8. Total size of stock pens for confinement area of cattle, hogs, etc. is 7,500,000 square feet.

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

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

11/1/2018

KNIGHT FEEDLOT, INC
1768 AVENUE J
LYONS, KS 67554

RE: Application, File No. **50153**

Dear Sir or Madam:

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

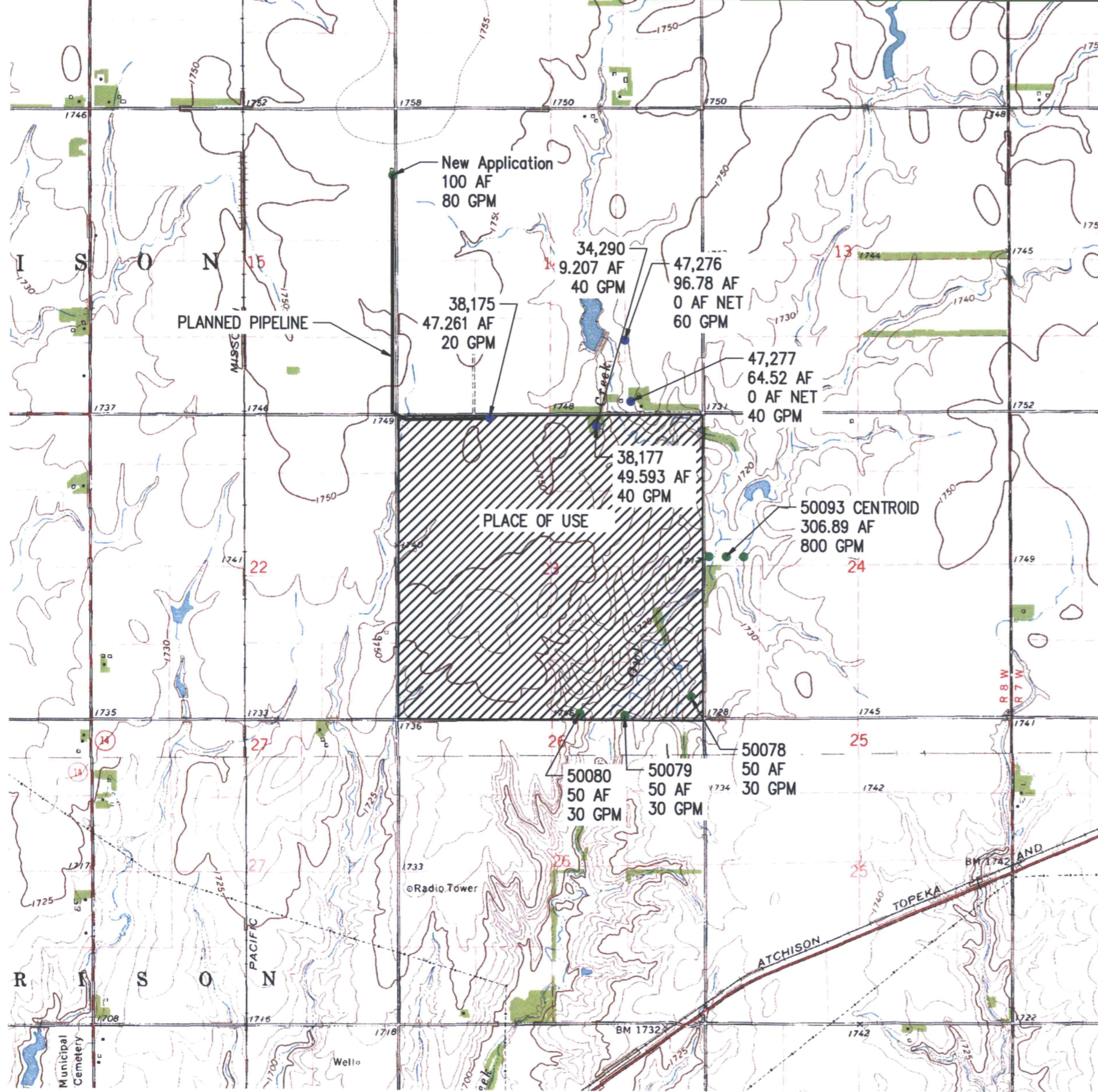
Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Stafford Field Office at 620-234-5311. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum
New Application Unit Supervisor
Division of Water Resources



LEGEND

- POINT OF DIVERSION (STK)
- POINT OF DIVERSION (STK NEW)
- ▨ FEEDYARD EXPANSION AREA

T19S



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SCALE IN FEET
0 2000 4000
KS Dept of Agriculture

DRAWN	DLB	DATE
CHECKED	KLS	DATE
APPROVED	KLS	DATE

KNIGHT FEEDLOT, INC.
WATER RIGHTS
SECTION 23 T19S R8W
RICE COUNTY, KANSAS

1700 E. IRON
SALINA, KANSAS 67401
(785) 823-0097
1303 YUCCA STREET
SCOTT CITY, KANSAS 67871
(620) 872-2300



CAD FILE NAME:

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **KNIGHT FEEDLOT, INC.**

LOCATION: **SECTION 23 T19S R8W, RICE COUNTY, KS**

BY: KLS
DATE: 6/14/2018

CHECKED BY: _____
DATE: _____

WATER RIGHT SUMMARY

WATER RIGHT FILE NO.	TEST HOLE ID	BENEFICIAL USE	AUTHORIZED QUANTITY (AC-FT)	NET QUANTITY (AC-FT)	AUTHORIZED OR REQUESTED RATE (GPM)	Longitude	Latitude	P/D DIST. FROM SE SECTION CORNER			QUALIFIERS		
								SEC-TWP-RGE	NORTH	WEST			
A 34290 00		STK	9.207	9.207	40	-98.17095	38.39067	23-19S-8W	5067 FT	1867 FT	NE	NW	NE
A 34290 00		STK				-98.17092589	38.39066854	23-19S-8W					
A 34290 00		STK				-98.17085	38.39083	23-19S-8W					
A 38175 00		STK	47.261	47.261	20	-98.17741	38.39106	23-19S-8W	5202 FT	3721 FT	NW	NE	NW
A 38177 00		STK	49.593	49.593	40	-98.17092589	38.39066854	23-19S-8W	5067 FT	1867 FT	NE	NW	NE
A 38177 00		STK				-98.17095	38.39067	23-19S-8W					
A 38177 00		STK				-98.17085	38.39083	23-19S-8W					
A 47276 00		STK	96.780	0	60	-98.16912821	38.39475584	14-19S-8W	1260 FT	1360 FT	NE	SW	SE
A 47277 00		STK	64.520	0	40	-98.16875837	38.39182047	14-19S-8W	191 FT	1254 FT	SW	SE	SE
50,093.00		STK		306.89	800	-98.16361389	38.3842	24-19S-8W	2765 FT	4940 FT	SW	SW	NW
50,094.00		STK		145.16	90	-98.1723	38.3770	23-19S-8W	82 FT	2147 FT	SW	SW	SE
50,094.00		STK				-98.1656	38.3770	23-19S-8W	82 FT	229 FT	SE	SE	SE
50,094.00		STK				-98.1696	38.3769	23-19S-8W	46 FT	1374 FT	SE	SW	SE
	Domestic	STK		100	80	-98.183219	38.402716	15-19S-8W	4170 FT	13 FT	SE	NE	NE

658.11 Acre-Feet
214,430,000 Gallons

Livestock water needs calculator

Input		Calculated			
Head of Beef Cattle	Gal/Head/Day	Gallons/Day	GPM	Ac-Feet/Yr	Gallons/Yr
30,000	10.50	315,000	219	353	114,975,000

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KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **KNIGHT FEEDLOT, INC.**

LOCATION: **SECTION 23 T19S R8W, RICE COUNTY, KS**

BY: JLW
DATE: 6/14/2018

CHECKED BY: KLS
DATE: 6/15/2018

WATER USE DATA FROM PCP RECORDS

KNIGHT FEEDLOT WATER USAGE 2015 TO 2017

2014	Days	Water Use By Month	Water Purchased	Average # of Cattle	Gal/Head/Day	2015	Days	Water Use By Month	Water Purchased	Average # of Cattle	Gal/Head/Day	2016	Days	Water Use By Month	Water Purchased	Average # of Cattle	Gal/Head/Day
January	31	0	539,000	7,262	2.39	January	31	4,112,030		13,862	9.57	January	31		3,400,000	12,156	9.02
February	28	0	1,496,000	6,664	8.02	February	28	3,163,530	691,000	11,700	11.77	February	28	1,599,460	1,606,000	12,819	8.93
March	31	0	875,000	7,392	3.82	March	31	4,379,740	998,890	10,414	16.66	March	31	768,840	3,101,000	14,372	8.69
April	30	0	1,115,000	6,868	5.41	April	30	1,737,880	1,249,110	11,439	8.70	April	30	850,500	2,560,000	14,730	7.72
May	31	0	95,000	6,969	0.44	May	31	1,487,060		10,696	4.48	May	31	696,610	3,220,000	12,696	9.95
June	30	0	25,000	9,251	0.09	June	30	310,720	3,417,000	10,730	11.58	June	30	826,770	2,430,000	11,985	9.06
July	31	14,155,710	61,000	8,453	54.25	July	31	559,730	3,358,000	9,826	12.86	July	31	772,640	1,890,000	7,893	10.88
August	31	1,363,260	44,000	9,120	4.98	August	31	175,000	4,414,000	11,052	13.39	August	31	999,470	1,860,000	10,196	9.05
September	30	1,174,070	27,000	12,322	3.25	September	30	331,070	3,485,000	11,156	11.40	September	30	845,985	1,010,600	11,470	5.40
October	31	2,023,170	33,000	13,520	4.91	October	31	5,000	4,744,000	12,518	12.24	October	31	1,709,365	501,800	12,775	5.58
November	30	1,711,130	113,000	14,601	4.16	November	30	545,800	2,773,000	13,237	8.36	November	30	3,181,800	200,000	13,396	8.41
December	31	2,655,500	332,000	14,510	6.64	December	31	645,850	328,000	13,015	2.41	December	31	6,184,630	104,600	13,568	14.95
TOTAL	365	23,082,840	4,755,000	9,744	7.83	TOTAL	365	17,453,410	25,458,000	11,637	10.10	TOTAL	365	18,436,070	21,884,000	12,338	8.95

2017	Days	Water Use By Month	Water Purchased	Average # of Cattle	Gal/Head/Day	2018	Water Use By Month	Water Purchased	Average # of Cattle	Gal/Head/Day
January	31	2,326,420	1,371,000	12,697	9.39	January	3,903,540	462,000	12,746	11.05
February	28	3,350,850	1,202,000	10,842	15.00	February	3,639,660	843,000	13,124	12.20
March	31	4,378,190	1,483,000	14,191	13.32	March	4,430,410	686,000	13,984	11.80
April	30	4,036,150	521,000	14,087	10.78	April	2,652,980	204,000	14,068	6.77
May	31	2,740,090	367,000	13,765	7.28	May	4,674,820	545,000	13,287	12.67
June	30	4,390,570	1,859,000	12,496	16.67					
July	31	3,555,450	807,000	10,598	13.28					
August	31	2,860,010	306,000	9,011	11.33					
September	30	3,419,240	238,000	8,687	14.03					
October	31	3,057,790	100,000	9,985	10.20					
November	30	4,043,710	123,000	12,955	10.72					
December	31	4,099,670	212,000	12,971	10.72					
TOTAL	365	42,258,140	8,589,000	11,857	11.75	TOTAL	19,301,410	2,740,000	13,442	10.90

PROJECT: **KNIGHT FEEDLOT, INC.**

LOCATION: **SECTION 23 T19S R8W, RICE COUNTY, KS**

BY: JLW
DATE: 6/14/2018

CHECKED BY: KLS
DATE: 6/15/2018

Average Gal/Head/Day 2014 to 2017		
January		7.59
February		10.93
March		10.62
April		8.15
May		5.54
June		9.35
July		22.82
August		9.69
September		8.52
October		8.23
November		7.91
December		8.68
TOTAL		9.66

Annual Water Use Report

Water Right		2013*	2014	2015	2016	2017		Average
34290		2,430,270	2,773,330	1,709,370	4,735,250	6,450,090		3,619,662
34290		4,723,270	2,898,320	855,290	580,870	2,736,110		2,358,772
38175		1,998,610	9,161,790	0	707,350	843,640		2,542,278
47276		25,191,700	3,863,500	9,751,300	6,564,500	30,510,200		15,176,240
47277		6,070,300	4,385,900	5,191,600	5,848,100	1,718,100		4,642,800
Total		40,414,150	23,082,840	17,507,560	18,436,070	42,258,140		28,339,752
Water Purcha	365	1,926,000	4,755,000	25,458,000	21,884,000	8,589,000		12,522,400
Average Head		8,575	9,744	11,637	12,338	11,857		10,830
Gal/Head/Day		12.92	7.83	10.12	8.95	11.75		10.31

*Monthly well readings not available in 2013

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