Kansas Department of Agriculture
Division of Water Resources
PERMIT OF NEW APPLICATION WORKSHEET

1. File Number:	2. Status Change Date:	3. Field Office:	4. GMD:
50,093	3/6/2019	**02**	**0**

5. Status: ☒ Approved ☐ Denied by DWR/GMD ☐ Dismiss by Request/Failure to Return

6. Enclosures: ☒ Check Valve ☒ N of C Form ☒ Water Tube ☒ Driller Copy ☒ Meter

7a. Applicant(s) — Person ID **20572**
New to system ☐ — Add Seq# _____

KNIGHT FEEDLOT INC
1768 AVENUE J
LYONS KS 67554-8805

7c. Landowner(s) — Person ID _____
New to system ☐ — Add Seq# _____

7b. Landowner(s) — Person ID _____
New to system ☐ — Add Seq# _____

7a

7d. Misc. — Person ID _____
New to system ☐ — Add Seq# _____

KLA ENVIRONMENTAL SERVICES INC
1700 E IRON AVE
SALINA KS 67401

8. WUR Correspondent — Person ID _____
New to system ☐ — Add Seq# _____
Overlap File (s) WUC — Notarized WUC Form ☐
Agree ☐ Yes ☐ No
7a

9. Use of Water: Changing? ☐ Yes ☒ No
☒ Groundwater ☐ Surface Water
☐ IRR ☐ REC ☐ DEW ☐ MUN
☒ STK ☐ SED ☐ DOM ☐ CON
☐ HYD DRG ☐ WTR PWR ☐ ART RECHRG
☐ IND SIC: _____ ☐ OTHER: _____

10. Completion Date: **12/31/2020** 11. Perfection Date: **12/31/2024** 12. Exp Date: _____

13. Conservation Plan Required? ☐ Yes ☒ No Date Required: _____ Date Approved: _____ Date to Comply: _____

14. Water Level Measuring Device? ☐ Yes ☒ No Date to Comply: _____ Date WLMD Installed: _____

Date Prepared: **11/19/2018** By: **DWS**
Date Entered: 3/12/2019 By: WM

File No. **50,093**	15. Formation Code: 100/330	Drainage Basin: **COW CREEK**	County: **RC**	Special Use:	Stream:

16. Points of Diversion

17. Rate and Quantity **MOD ADDL QTY**

T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W		Authorized Rate gpm	Authorized Quantity mgy	Additional Rate gpm	Additional Quantity mgy	Overlap PD Files
√	86863	SW SW NW	24	19	8W	1	2765	5241	(Batt 1 of 4)	800	100	800	64.75	NONE*
√	86864	SW SW NW	24	19	8W	2	2765	4640	(Batt 1 of 4)					
√	86961	SW SW NW	24	19	8W	3	2765	4940	(Geo-Ctr)					
√	86962	SW SW NW	24	19	8W	4	3015	4940	(Batt 1 of 4)					
√	86963	NW NW SW	24	19	8W	5	2515	4940	(Batt 1 of 4)					

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. Limitation: **174.25** **MG**/yr at ____ gpm (_____ cfs) when combined with file number(s) **RC-2; 3,543; 9,997; 34,290; 38,175; 38,177; 47,276; and 47,277**

Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? ☒ Yes ☐ No To be installed by **12/31/2020** Date Acceptable Meter Installed _____

21. Place of Use

MOD DEL ENT	PUSE	S	T	R	ID	NE¼ NE ¼	NE¼ NW ¼	NE¼ SW ¼	NE¼ SE ¼	NW¼ NE ¼	NW¼ NW ¼	NW¼ SW ¼	NW¼ SE ¼	SW¼ NE ¼	SW¼ NW ¼	SW¼ SW ¼	SW¼ SE ¼	SE¼ NE ¼	SE¼ NW ¼	SE¼ SW ¼	SE¼ SE ¼	Total	Owner	Chg? NO	Overlap Files
MOD	31039	23	19	8W	1	FEEDLOT																	7a.	NO	See Below

Comments:

KNIGHT FEEDLOT FILES: 34,290; 38,175; 38,177; 47,276; 47,277; 50,093; and 50,094 all overlap in Place of Use.

CITY OF LYONS FILES: RC-2; 3,543 and 9,997 overlap in Place of Use. ***Senior file pd overlaps will be dismissed.**

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources
M E M O R A N D U M

TO: Files **DATE:** November 19, 2018

FROM: Doug Schemm **RE:** Application, File Nos. 50,093 and 50,094
50,078; 50,079; 50,080; 50,081; and 50,082

Knight Feedlot Inc has filed the above referenced applications File Nos. 50,093 and 50,094 proposing to appropriate groundwater for stockwatering use. File No. 50,093 is requesting to appropriate 100 million gallons (306.89 acre-feet), and File No. 50,094 is requesting to appropriate 47.3 million gallons (145.17 acre-feet). The proposed wells are located in Sections 23 and 24, Township 19 South, Range 8 West, Rice County, Kansas, within the Cow Creek drainage basin. The applicant has signed the application forms stating that they have legal access to the points of diversion. The applicant was assisted by Topeka Field Office staff. Note that the applicant had filed five previous applications that were essentially replaced with these new applications, and they have submitted voluntary closure requests for File Nos. 50,078; 50,079; 50,080; 50,081; and 50,082. Findings and Orders will be prepared to dismiss these applications as requested upon approval of the new applications.

The applicant has five senior water rights, File Nos. 34,290; 38,175; 38,177; 47,276; and 47,277, which overlap in place of use. File No. 34,290 is authorized 3 million gallons, File No. 38,175 is authorized 15.4 million gallons, File No. 38,177 is authorized 16.16 million gallons, File No. 47,276 is authorized 31.536 (limited to 109.5 million gallons with 24.24 million gallons additional), and File No. 47,277 is authorized 21.024 million gallons (limited to 109.5 million gallons with 0 additional). Note that in addition to being limited with these senior STK files, these files are also limited in quantity with File Nos. RC-2; 3,543 and 9,997, which are owned by the City of Lyons. File No. RC-2 can provide 23 million gallons; File No. 3,543 can provide 7.1 million gallons; and File No. 9,997 can provide 24.6 million gallons for a total of 54.7 million gallons from the City of Lyons. The applicant's files are limited to total of 54.8 million gallons when combined with the City's files (109.5 mgy – 54.7 mgy). Note that Place of Use changes will be required on all of these senior files to create a complete overlap in Place of Use with the new applications.

The applicant provided an estimate for total water needs, as follows: 30,000 head of cattle x 10.5 gallons per head per day x 365 days = 114.975 million gallons. This is less than the typical maximum value requested of 15 gallons per head per day, which would equate to 164.25 million gallons. In addition, for similar operations water for cooling, sanitation, and other uses, can be estimated at 10 million gallons, for a total of 174.25 million gallons. As noted above, the authorized quantity for the feedlot supply is 109.5 million gallons. Therefore, it is proposed that File No. 50,093 will be limited to 174.25 million gallons with all senior files, providing an additional 64.75 million gallons (174.25 mgy – 109.5 mgy). File No. 50,094 will be limited to 174.25 million gallons with all senior files, providing 0 additional water. These additional wells will also provide flexibility and backup supply for the feedlot if any other wells were to fail.

File No. 50,093 is requesting to appropriate groundwater from a battery of four (4) wells at a rate of diversion of 800 gallons per minute. Note that File No. 50,094 is requesting to appropriate groundwater from three (3) individual wells at a combined rate of diversion of 90 gallons per minute (30 gpm per well). Per K.A.R. 5-3-4, a single application can include "Not more than four wells within a circle with a quarter-mile radius in the same local source of supply that do not exceed a maximum diversion rate of 20 gallons per minute per well." However, the applicant has requested a higher pumping rate to ensure an adequate water supply to the feedlot, especially if one of the wells were to become inoperable at a critical time. It was estimated that none of the wells are likely to exceed 30 gallons per minute. This operational flexibility in pumping rates will provide for more efficient management of both the feedlot operations and the source of supply. The requested pumping rate will require a **waiver** of K.A.R. 5-3-4 (d).

The applicant provided multiple test hole logs with the previous applications. In addition, during the processing of File Nos. 47,276 and 47,277 the applicant was required to provide additional hydrogeological data due to failure to meet well spacing for the confined Dakota system aquifer. Ground Water Associates, Inc. conducted pumping tests and reviewed available geologic reports and well logs, and prepared a letter dated July 23, 2009.

This letter indicates that there are two aquifers, a shallow unconsolidated Quaternary Age aquifer composed of silt and sand, and a deeper sandstone aquifer (Dakota system). The letter also notes that both aquifers are considered to be semi-confined. Pump test results showed minimal drawdown of less than one foot in a well just 50 feet away from the pumping well, and no drawdown at wells 400 feet and 800 feet away. Based on this data, DWR approved File Nos. 47,276 and 47,277 noting that the required minimum well spacing criteria is not necessary to prevent direct impairment in this instance.

In general, the well logs show clay and "Dakota drift" extending to depths of 40 feet to 60 feet below ground, underlain by interbedded sandstone and shale. The sandstone units range from 6 feet to 27 feet in thickness, with several of them labeled as "coarse", and they should produce adequate water for these applications. Note that the sandstone thickness in the test holes in the Northwest Quarter of Section 24 are significantly greater than Section 23 test holes, which supports the higher rate of diversion for the battery of wells. No static water levels were provided on the test hole logs, however data from the pump test discussed above shows static water levels around 18 feet below ground surface. This static water level would be above the top of the sandstone aquifer, however, pump test results show that the shallower aquifer is also providing water to these wells and is likely influencing the static water level. In addition, note that nearby domestic wells, show that static water levels are the same or below the depths that groundwater was encountered, which would indicate this is an unconfined aquifer system.

Typically, when the Dakota aquifer system is overlain by a shallower aquifer, the entire system is considered to be unconfined and safe yield is evaluated using unconfined aquifer criteria in K.A.R. 5-3-11. Based on local area wells, the bedrock aquifer appears to extend throughout this 2-mile area; therefore it would appear reasonable to use the extent of the bedrock aquifer as the area of consideration. The potential annual recharge established for this area for unconfined aquifers (2 inches) would provide a maximum quantity of recharge possible. For both files, based on an area of consideration of 8,042 acres, a potential recharge of 2 inches, with 75% available for appropriation, safe yield was determined to be 1,005.3 acre-feet. Existing water rights have appropriated 289.7 acre-feet, leaving 715.6 acre-feet available for File No. 50,093. With the approval of File No. 50,093, there would be 408.71 acre-feet available for File No. 50,094, and both applications meet safe yield.

Although it is possible that these semi-confined aquifer systems would receive somewhat less recharge then a near-surface, unconfined aquifer, this safe yield value for unconfined aquifers per K.A.R. 5-3-11 provides a maximum quantity of water available in the area of consideration. If there is a significant quantity of water still remaining, then even with significant reduced recharge to the semi-confined aquifer (in this case it would require only 60% of the maximum or 1.2 inches of recharge) there would still be sufficient water available.

The applicant did not identify any domestic well owners within one-half (½) mile of the proposed points of diversion. However, after further review it appears that a domestic well is located to the south of the applicant's property within the Northeast Quarter of Section 26. A notification letter was sent out on August 8, 2018, and the well owner (Jack Prather) contacted our office on August 14, 2018. He expressed general concerns that his well could be impacted, and we discussed his senior water right and that he can contact the Stafford Field Office if he notices any issues in the future. His well is 70 feet in total depth, with depth to water of 35 feet. NOTE: Mr. Prather stated he is currently having problems with his well and he's going to contact a plumber to investigate it. He has not done any recent work on the well or pump. Per K.A.R. 5-4-4, for the unconfined Dakota aquifer system, well spacing is 1,320 feet to domestic wells and 2,640 feet to non-domestic wells, and with relocation of one of the wells under File No. 50,094, both applications comply with well spacing criteria to all other wells and to each other.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed.

In an August 9, 2018 e-mail, Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced applications, File Nos. 50,093 and 50,094. Based on the above discussion, well spacing and safe yield criteria are met, approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, and these will provide greater flexibility in sources of water and provide backup in case of other well failure, it is recommended that the referenced new applications be approved, in conjunction with the change applications on the senior files, and dismissals of other applications.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov

Kansas
Department of Agriculture

900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Acting Secretary

Laura Kelly, Governor

March 15, 2019

KNIGHT FEEDLOT INC
% LUKE KNIGHT
1768 AVENUE J
LYONS KS 67554-8805

FILE COPY

RE: Appropriation of Water, File Nos. 50,093 and 50,094; and
Application, File Nos. 50,078; 50,079; 50,080; 50,081; and 50,082

Dear Mr. Knight:

There are enclosed permits to appropriate water (File Nos. 50,093 and 50,094) authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the sources and at the locations specified in these permits, and to use it for the purpose and at the location described in these permits.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these permits, with **specific reference to File No. 50,094, Paragraph No. 17 describing the requirements for locating all wells within a ¼ mile radius circle.** Water meters are required on the diversion works and you must install them prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meters should be used to provide the information required on the annual water use reports.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of these permits. Enclosed are forms which may be used to notify the Chief Engineer that the proposed diversion works have been completed for each file. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in these permits to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in these permits. Failure to comply with this regulation will result in the dismissal of your permits or your water rights. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently $100.00 per file number. There is also enclosed an information sheet setting forth the procedure to obtain Certificates of Appropriation which will establish the extent of your water rights.

In addition, enclosed are the Findings and Orders by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, dismissing Application, File Nos. 50,078; 50,079; 50,080; 50,081; and 50,082 as you requested in your voluntary dismissal forms. Appropriation of Water, File Nos. 50,093 and 50,094 essentially replace these five applications.

If you are aggrieved by these Orders, then pursuant to K.S.A. 82a-1901, you may:

1) request an evidentiary hearing before the Chief Engineer, or
2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary.

To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of these Orders as provided in K.S.A. 77-531 **(i.e., within a total of 18 days after these Orders were mailed to you)**, with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of these Orders by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of these Orders as provided in K.S.A. 77-531 **(i.e., within a total of 33 days after these Orders were mailed to you)**, and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then these Orders shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

If you have any questions, please contact our office. 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:dws

Enclosures

pc: Stafford Field Office
KLA Environmental Services, Inc.

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Acting Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

APPROVAL OF APPLICATION
and
PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, **File No. 50,093** of the applicant

KNIGHT FEEDLOT INC
1768 AVENUE J
LYONS KS 67554-8805

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **July 27, 2018.**

2. That the water sought to be appropriated shall be used for stockwatering use at a cattle feedlot located in Section 23, in Township 19 South, Range 8 West, Rice County, Kansas.

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells with a geographic center located in the Southwest Quarter of the Southwest Quarter of the Northwest Quarter (SW¼ SW¼ NW¼) of Section 24, more particularly described as being near a point 2,765 feet North and 4,940 feet West of the Southeast corner of said section, in Township 19 South, Range 8 West, Rice County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute** (1.78 c.f.s.) and to a quantity not to exceed **100 million gallons** (306.89 acre-feet) of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2020** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of $400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of $100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2024** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of $100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

13. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

14. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

15. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

16. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

17. That this permit is limited such that all wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, and shall supply water to a common distribution system.

18. That the applicant shall submit to the Chief Engineer a copy of the well log required by the Kansas Department of Health and Environment under the authority of K.S.A. 82a-1212, currently form WWC-5, within 30 days following the drilling of the well at the location authorized herein.

19. That the quantity of water approved under this permit is further limited to the quantity which combined with Vested Water Right, RC-02; Water Right, File Nos. 3,543; 9,997; 34,290; 38,175; 38,177; and Appropriation of Water, File Nos. 47,276 and 47,277, will provide a **total not to exceed 174.25 million gallons of water** per calendar year for stockwatering use as described herein.

RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

1) request an evidentiary hearing before the Chief Engineer, or
2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary. To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 **(i.e., within a total of 18 days after this Order was mailed to you)**, with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 **(i.e., within a total of 33 days after this Order was mailed to you)**, and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

Ordered this 6th day of March, 2019, in Manhattan, Riley County, Kansas.

DIVISION OF WATER RESOURCES
DAVID W. BARFIELD
CHIEF ENGINEER
KANSAS DEPARTMENT of AGRICULTURE

David W. Barfield, P.E.
Chief Engineer
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 6th day of March, 2019, by David W. Barfield, P.E., Chief Engineer, Division of Water Resources, Kansas Department of Agriculture.

STATE OF KANSAS NOTARY PUBLIC
KAREN HUNTER
My Appointment Expires
October 24, 2022

Notary Public

CERTIFICATE OF SERVICE

On this 15th day of March, 2019, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 50,093, dated March 6th, 2019 was mailed postage prepaid, first class, US mail to the following:

KNIGHT FEEDLOT INC
1768 AVENUE J
LYONS KS 67554-8805

With photocopies to:

KLA ENVIRONMENTAL SERVICES INC
1700 E IRON AVE
SALINA KS 67401

STAFFORD FIELD OFFICE

Danielle Wilson

Division of Water Resources

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

APPLICATION COMPLETE
3 / 4 / 19
Reviewer KAB

File Number 50,093
This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED
JUL 27 2018
11:29
KS DEPT OF AGRICULTURE

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

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

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

1. Name of Applicant (Please Print): KNIGHT FEEDLOT INC

   Address: 1768 AVENUE J

   City: LYONS State: KS Zip Code 67554-8805

   Telephone Number: (620) 257-5106

2. The source of water is: ☐ surface water in _____ (stream)

   OR ☒ groundwater in COW CREEK 56 (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 306.89 acre-feet OR **100 Million** 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. 2 *GMD* 0 *Meets K.A.R. 5-3-1* (YES) NO *Use* STK *Source* (G) S *County* RC *By* AJW *Date* 7/27/18
Code ~~REG~~ REZ *Fee $* 50 *TR #* 19060520 *Receipt Date* 7/27/18 *Check #* 5913

DWR 1-100 (Revised 02/16/2011)

SCANNED 8/2/2018 LCM

* Fee taken from dismissed File Nos. 50,078 – 50,082

File No. 30093

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 **SW** quarter of the **SW** quarter of the **NW** quarter of Section 24, more particularly described as being near a point **2765** feet North and **4940** feet West of the Southeast corner of said section, in Township 19 South, Range 8 WEST, RICE County, Kansas. **(GEO-CENTER)**

(B) One in the **SW** quarter of the **SW** quarter of the **NW** quarter of Section 24, more particularly described as being near a point **2765** feet North and **5240** feet West of the Southeast corner of said section, in Township 19 South, Range 8 WEST, RICE County, Kansas. **(BATT 1 OF 4)**

(C) One in the **SW** quarter of the **SW** quarter of the **NW** quarter of Section 24, more particularly described as being near a point **2765** feet North and **4640** feet West of the Southeast corner of said section, in Township 19 South, Range 8 WEST, RICE County, Kansas. **(BATT 1 OF 4)**

(D) One in the **SW** quarter of the **SW** quarter of the **NW** quarter of Section 24, more particularly described as being near a point **3015** feet North and **4940** feet West of the Southeast corner of said section, in Township 19 South, Range 8 WEST, RICE County, Kansas. **(BATT 1 OF 4)**

(E) One in the **NW** quarter of the **NW** quarter of the **SW** quarter of Section 24, more particularly described as being near a point **2515** feet North and **4940** feet West of the Southeast corner of said section, in Township 19 South, Range 8 WEST, RICE County, Kansas. **(BATT 1 OF 4)**

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 (¼) 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)

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 July 25, 2018. _____
Applicant's Signature

7. The proposed project for diversion of water will consist of BATTERY OF 4 WELLS
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) SUMMER 2018
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be Summer 2018.
(Mo/Day/Year)

WATER RESOURCES
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KS DEPT OF AGRICULTURE

File No. 50093

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

☐ Yes ☒ No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? ☐ Yes ☐ No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

GROUNDWATER WELLS

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 surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ mile upstream from your property lines must be shown.

(c) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.

(d) 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.

FILE NOS. 34,290; 38,175; 38,177; 47,276 and 47,277 overlap in PU

And Second New Application

WATER RESOURCES
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KS DEPT OF AGRICULTURE

File No. 50093

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 Lyons, Kansas, this 25th day of July (month), 2018 (year).

(Applicant Signature) — APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By (Agent or Officer Signature) — and/or APPLICANT(S) TAXPAYER I.D. NO.(S)

(Agent or Officer - Please Print)

Assisted by DWS TOPEKA FO (office/title) Date: 7/24/2018

WATER RESOURCES
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JUL 27 2018
KANSAS DEPT OF AGRICULTURE

52093

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

STOCKWATER USE
SUPPLEMENTAL SHEET

File No. # 50,093

Name of Applicant (Please Print): KNIGHT FEEDLOT INC.

1. Please indicate type of livestock (cattle, hogs, etc.): CATTLE

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			
Last year			
Present Year			

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	174.25 Million gals	15 + Cooling and Sanitation
Year 2			
Year 3			
Year 4			
Year 5	30,000	174.25 Million gals	15 + Cooling and Sanitation

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	
			FEEDLOT IN SECTION 23, T19S, R8W, RICE CO.																

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 15 gallons/head (avg.) x 365 days = 164.25 Million gallons

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

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

COOLING

400 gallons/hour x 10 hour/day x 180 days = 0.72 Million gallons

SANITATION

200 g.p.m. x 60 min/hr x 14 hr/wk x 52 wks/yr = 8.74 Million gallons

OTHER USE (Explain) Keep waterers from freezing, etc. = 0.54 Million gallons

TOTAL ---------- **174.25 Million** 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 _____ linear feet.

8. Total size of stock pens for confinement area of cattle, hogs, etc. is _____ 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.

#50,093
Meets safe Yield

Analysis Results

The selected PD is in an area OPEN to new appropriations.
The safe yield based on the variables listed below is 1,005.31 AF.
Total prior appropriations in the circle is 830.45 AF. -250 AF - 452.05AF = 128.4 + 96.78 +64.52 = 289.7AF
Total quantity of water available for appropriation is ~~174.86~~ 715.61 AF

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.
The potential annual recharge at the circle center is estimated to be 2.0 inches.
The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 06-AUG-2018 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.
There are 13 water rights and 18 points of diversion within the circle.

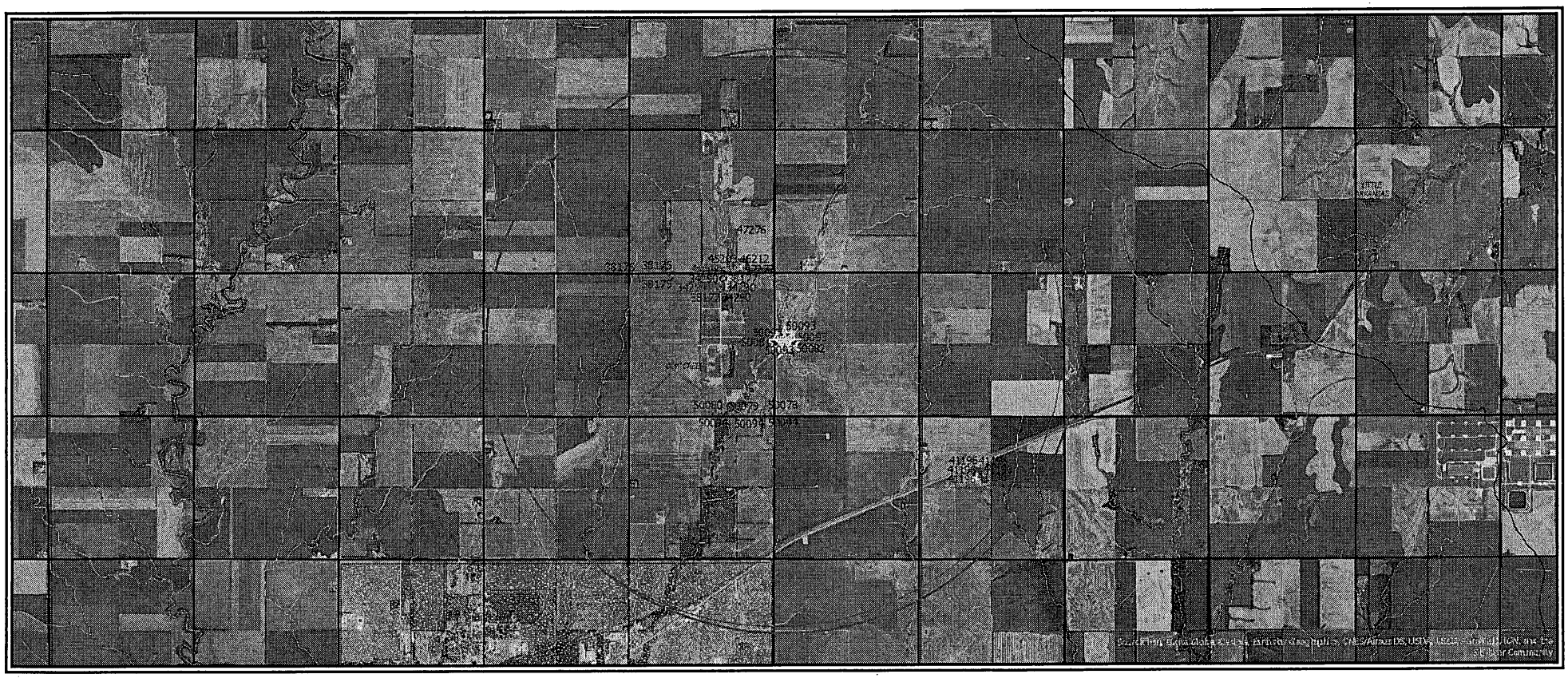
File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 34290 00	STK	NK	G		NE	NW	NE	5053	1874	23	19	08W	4	WR	9.21	9.21 ✓		
Same	STK	NK	G		NE	NW	NE	5080	1860	23	19	08W	9	WR				
Same	STK	NK	G		NE	NW	NE	5067	1867	23	19	08W	10	WR				
A 38175 00	STK	NK	G		NW	NE	NW	5202	3721	23	19	08W	8	WR	47.26	47.26 ✓		
A 38177 00	STK	NK	G		NE	NW	NE	5053	1874	23	19	08W	4	WR	49.59	49.59 ✓		
Same	STK	NK	G		NE	NW	NE	5080	1860	23	19	08W	9	WR				
Same	STK	NK	G		NE	NW	NE	5067	1867	23	19	08W	10	WR				
A 41196 00	IND	NK	G		NE	SE	NW	3393	3212	30	19	07W	4	WR	22.34	22.34		
Same	IND	NK	G		NE	SE	NW	3302	3080	30	19	07W	3	WR				
Same	IND	NK	G		NE	SE	NW	3372	3131	30	19	07W	5	WR				
Same	IND	NK	G		NE	SE	NW	3420	3103	30	19	07W	6	WR				
A 47276 00	STK	KK	G		NE	SW	SE	1260	1360	14	19	08W	2	WR	96.78	0.00 +96.78		
A 47277 00	STK	KK	G		SW	SE	SE	191	1254	14	19	08W	1	WR	64.52	0.00 +64.52		
A 50078 00	STK	AY	G		SE	SE	SE	82	229	23	19	08W	11	WR	50.00	50.00		
A 50079 00	STK	AY	G		SE	SW	SE	46	1374	23	19	08W	12	WR	50.00	50.00		
A 50080 00	STK	AY	G		SW	SW	SE	82	2147	23	19	08W	13	WR	50.00	50.00		
A 50081 00	STK	AY	G		SW	SW	NW	2765	5241	24	19	08W	1	WR	50.00	50.00		
A 50082 00	STK	AY	G		SW	SW	NW	2765	4640	24	19	08W	2	WR	50.00	50.00		
A 50093 00	STK	AY	G		SW	SW	NW	2765	5241	24	19	08W	1	WR	306.89	306.89		
Same	STK	AY	G		SW	SW	NW	2765	4640	24	19	08W	2	WR				
Same	STK	AY	G		SW	SW	NW	2765	4940	24	19	08W	3	WR				
Same	STK	AY	G		SW	SW	NW	3015	4940	24	19	08W	4	WR				
Same	STK	AY	G		NW	NW	SW	2515	4940	24	19	08W	5	WR				
A 50094 00	STK	AY	G		SE	SE	SE	82	229	23	19	08W	11	WR	145.16	145.16		
Same	STK	AY	G		SE	SW	SE	46	1374	23	19	08W	12	WR				

To be dismissed
250 AF

Pending

452.05AF

Safe Yield Report Sheet
Water Right- A5009300
Point of Diversion in 24-19S-08W
Footages from SE corner- 2,765 feet North 5,241 feet West



50,093

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
Same	STK	AY	G		SW	SW	SE	82	2147	23	19	08W	13	WR				

Limitations

File Number	Seq Num	Limitations
A 38177 00	1	40GPM COM/W #34,290
A* 47276 00	336AF	109.5MGY COM/W #RC 2, 3543, 9997, 34290, 38175 & 38177
A 47277 00	1	109.5MGY COM/W #RC 2, 3543, 9997, 34290, 38175, 38177 & 47276

* Full Quantity could be pumped from Circle.

50,093

Report Date Monday, August 6 2018

> KNIGHT FEEDLOT INC
>
> 1768 AVENUE J
> LYONS KS 67554
>----------

All wells > ½ mile

meets spacing

==========

##########

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50093 00 STK

Water Right and Points of Diversion Within 2.00 miles of point defined as:

2765 Feet North and 4940 Feet West of the Southeast Corner of Section 24 T 19S R 8W

Geo-Center

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt		Auth_Quan	Add_Quan	Unit
A__ 34290 00	STK	NK	G	3214	--	NE	NW	NE	5067	1867	23	19	8W	10	G	2	9.21	9.21	AF
Same				3209	--	NE	NW	NE	5053	1874	23	19	8W	4	B	2			
Same				3218	--	NE	NW	NE	5080	1860	23	19	8W	9	B	2			
A__ 38175 00	STK	NK	G	4765	--	NW	NE	NW	5202	3721	23	19	8W	8			47.26	47.26	AF
A__ 38177 00	STK	NK	G	3214	--	NE	NW	NE	5067	1867	23	19	8W	10	G	2	49.59	49.59	AF
Same				3209	--	NE	NW	NE	5053	1874	23	19	8W	4	B	2			
Same				3218	--	NE	NW	NE	5080	1860	23	19	8W	9	B	2			
A__ 41196 00	IND	NK	G	8609	--	NE	SE	NW	3372	3131	30	19	7W	5	G	3	22.34	22.34	AF
Same				8690	--	NE	SE	NW	3302	3080	30	19	7W	3	B	3			
Same				8530	--	NE	SE	NW	3393	3212	30	19	7W	4	B	3			
Same				8606	--	NE	SE	NW	3420	3103	30	19	7W	6	B	3			
A__ 47276 00	STK	KK	G	4168	--	NE	SW	SE	1260	1360	14	19	8W	2			96.78	.00	AF
A__ 47277 00	STK	KK	G	3170	--	SW	SE	SE	191	1254	14	19	8W	1			64.52	.00	AF
A__ 50078 00	STK	AY	G	2744	--	SE	SE	SE	82	229	23	19	8W	11			50.00	50.00	AF
A__ 50079 00	STK	AY	G	3226	--	SE	SW	SE	46	1374	23	19	8W	12			50.00	50.00	AF
A__ 50080 00	STK	AY	G	3675	--	SW	SW	SE	82	2147	23	19	8W	13			50.00	50.00	AF
A__ 50081 00	STK	AY	G	301	--	SW	SW	NW	2765	5241	24	19	8W	1			50.00	50.00	AF
A__ 50082 00	STK	AY	G	300	--	SW	SW	NW	2765	4640	24	19	8W	2			50.00	50.00	AF
A__ 50093 00	STK	AY	G	0	--	SW	SW	NW	2765	4940	24	19	8W	3	G	4	306.89	306.89	AF
Same				301	--	SW	SW	NW	2765	5241	24	19	8W	1	B	4			
Same				300	--	SW	SW	NW	2765	4640	24	19	8W	2	B	4			
Same				250	--	SW	SW	NW	3015	4940	24	19	8W	4	B	4			
Same				250	--	NW	NW	SW	2515	4940	24	19	8W	5	B	4			
A__ 50094 00	STK	AY	G	2744	--	SE	SE	SE	82	229	23	19	8W	11			145.16	145.16	AF
Same				3226	--	SE	SW	SE	46	1374	23	19	8W	12					
Same				3675	--	SW	SW	SE	82	2147	23	19	8W	13					

To be dismissed

==========

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	702.05	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	128.40	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	830.45	.00

An * after the source of supply indicates a pending application for change under the file number.

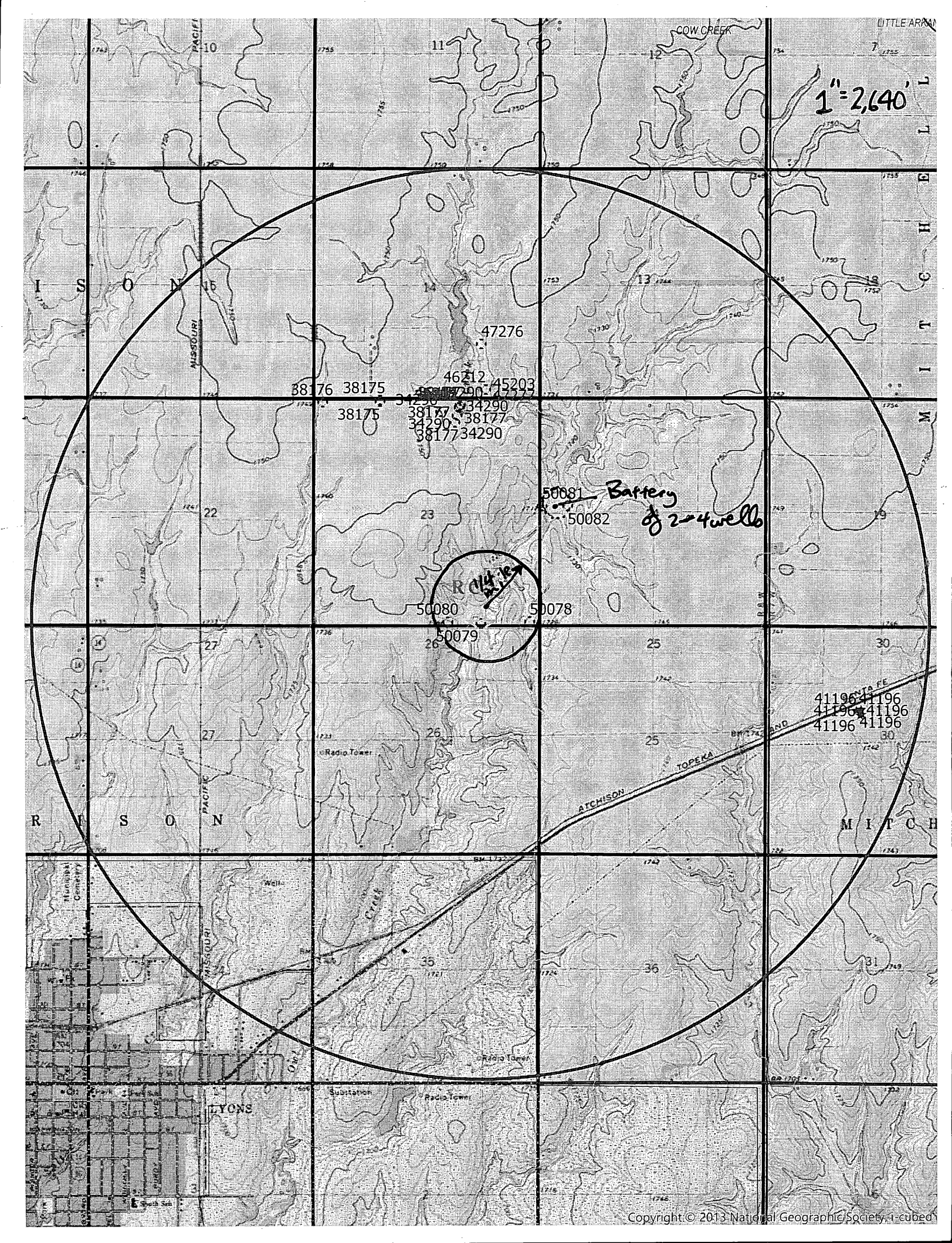
An * after the ID indicates a 15 AF exemption was granted under the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:
2765 Feet North and 4940 Feet West of the Southeast Corner of Section 24 T 19S R 8W
GROUNDWATER ONLY
WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 34290	00	STK	NK G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 38175	00	STK	NK G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 38177	00	STK	NK G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 41196	00	IND	NK G
> CENTRAL KANSAS SERVICES INC			
>			
> 1940 E HWY 56 PO BOX 413			
> LYONS KS 67554			
A__ 47276	00	STK	KK G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 47277	00	STK	KK G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 50078	00	STK	AY G
> KNIGHT FEEDLOT INC			
>			
> 1768 AVENUE J			
> LYONS KS 67554			
A__ 50079	00	STK	AY G
> KNIGHT FEEDLOT INC			



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
	23-TH-2-18	STK		50	30	-98.1723	38.3770	23-19S-8W	82 FT	2147 FT	SW	SW	SE
	23-TH-5-18	STK		50	30	-98.1656	38.3770	23-19S-8W	82 FT	229 FT	SE	SE	SE
	23-TH-6-18	STK		50	30	-98.1696	38.3769	23-19S-8W	46 FT	1374 FT	SE	SW	SE
	24-TH-1-18	STK		50	30	-98.1646	38.3843	24-19S-8W	2765 FT	5241 FT	SW	SW	NW
	24-TH-2-18	STK		50	30	-98.1625	38.3843	24-19S-8W	2765 FT	4640 FT	SW	SW	NW

356.06 Acre-Feet
116,010,000 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

Water Resources
Received
JUL 02 2018
KS Dept Of Agriculture

50,093

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	104600	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**

50,093

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

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

DRILLER'S TEST LOG

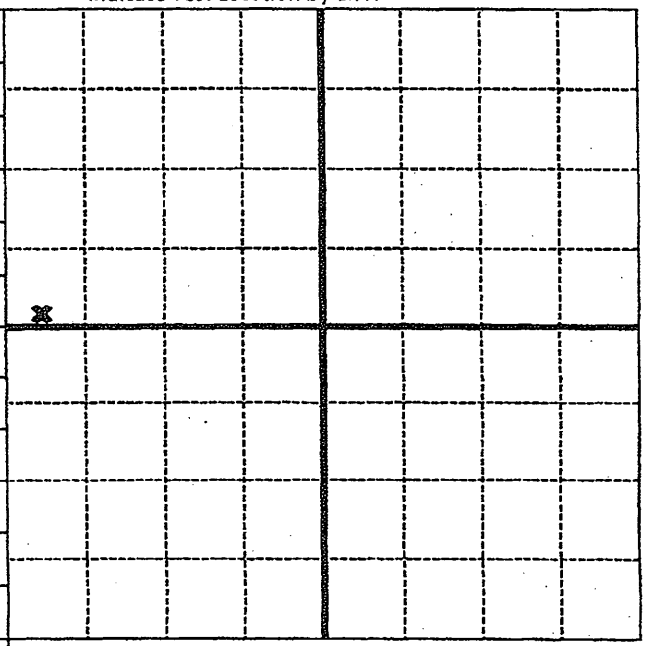
Customer Name: Knight Feed Yard Date: 6/4/2018

Address Test No: #2-18

County: Rice Quarter: NW Section: 24 Township: 19 Range: 8

Drilled Footage From	To		Description of Strata
0	3		Top soil
3	47		Tan clay w/ small caliche streaks
47	74		Yellow shale
74	75		Ironated rock
75	97		Gray shale
97	124		Sandstone (coarse)
124	125		Iron pyrite
125	130		Gray shale

Indicate Test Location by an X



Static Water Level: _____ Ft

Remarks: Plugged test hole

Garmin GPS- Nad 83

Latitude: 38.3843 N

Longitude: 98.1625 W

Elevation:

Driller: Luis Luna

Spot Location: SW/ SW/ NW

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
Telephone (620) 792-2488 or (620) 793-5512
P.O. Box 713, Great Bend, KS 67530

DRILLER'S TEST LOG

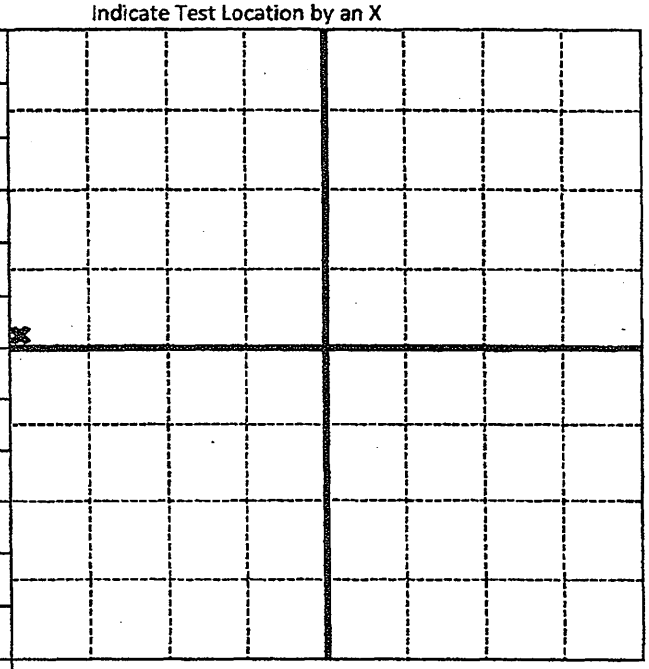
Customer Name: Knight Feed Yard Date: 6/4/2018

Address Test No: #1-18

County: Rice Quarter: NW Section: 24 Township: 19 Range: 8

Drilled Footage From	To		Description of Strata
0	3		Top soil
3	36		Tan clay w/ small caliche streaks
36	45		Dakota drift w/ some clay
45	59		Tan clay
59	70		Gray shale
70	70.5		Sandstone
70.5	72		Gray shale
72	76		Dark gray limestone rock
76	82		Sandstone (coarse)
82	110		Gray shale
110	125		Sandstone (clean coarse)
125	130		Gray shale

Indicate Test Location by an X



Static Water Level: _____ Ft

Remarks: Plugged test hole

Garmin GPS- Nad 83

Latitude: 38.3843 N

Longitude: 98.1646 W

Elevation:

Driller: Luis Luna

Spot Location: SW/ SW/ NW

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
Telephone (620) 792-2488 or (620) 793-5512
P.O. Box 713, Great Bend, KS 67530

DRILLER'S TEST LOG

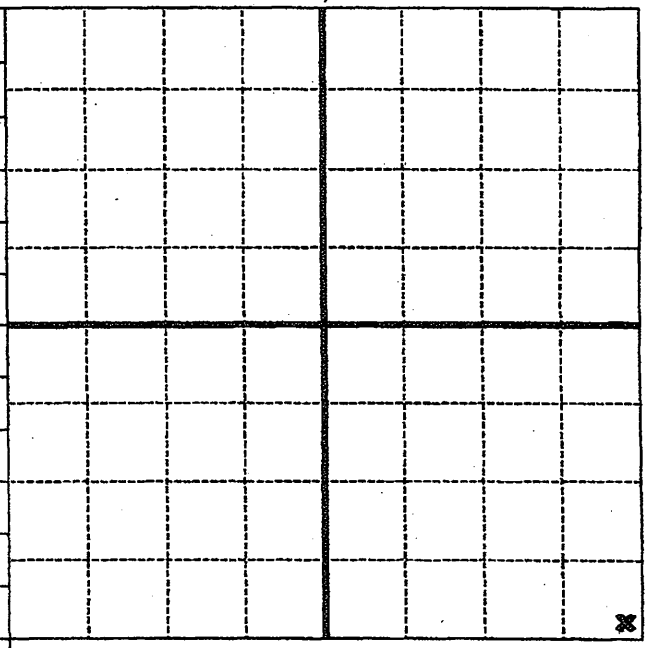
Customer Name: Knight Feed Yard Date: 6/1/2018

Address Test No: #5-18

County: Rice Quarter: SE Section: 23 Township: 19 Range: 8

Drilled Footage From	To		Description of Strata
0	3		Top soil
3	56		Tan clay w/ small caliche streaks
56	58		Dakota drift
58	66		Yellow shale
66	73		Sandstone w/ ironated rock
73	79		Yellow shale
79	80		Iron pyrite
80	91		Gray shale
91	94		Iron pyrite

Indicate Test Location by an X



Static Water Level: _____ Ft

Remarks: Plugged test hole

Garmin GPS- Nad 83

Latitude: 38.3770 N

Longitude: 98.1656 W

Elevation:

Driller: Luis Luna

Spot Location: SE/ SE/ SE

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
Telephone (620) 792-2488 or (620) 793-5512
P.O. Box 713, Great Bend, KS 67530

50078

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.

DRILLER'S TEST LOG

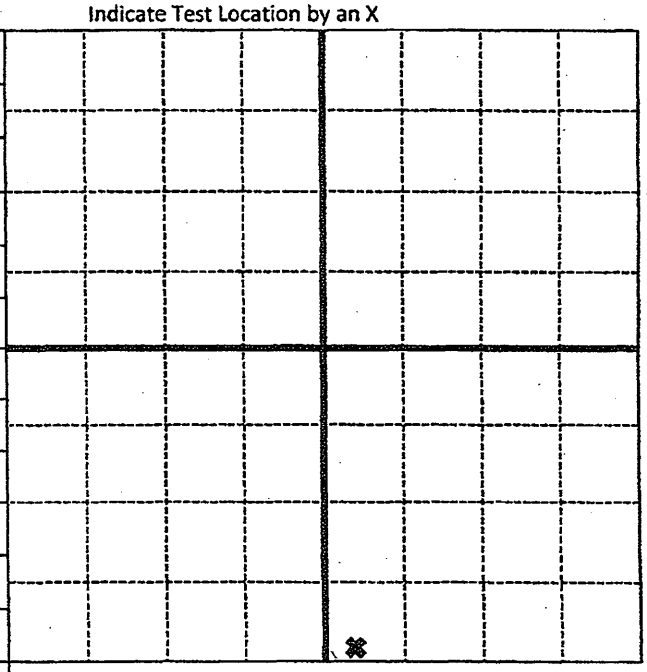
Customer Name: Knight Feed Yard Date: 5/30/2018

Address: Test No: #2-18

County: Rice Quarter: SE Section: 23 Township: 19 Range: 8

Drilled Footage From	To		Description of Strata
0	3		Top soil
3	43		Tan clay w/ small caliche streaks
43	46		Dakota drift w/ heavy clay
46	56		Yellow shale
56	57		Sandstone streak
57	65		Yellow shale
65	68		Sandstone w/ fire clay
68	74		Fire clay
74	78		Sandstone streak
78	89		Gray shale
89	92		Sandstone
92	93		Iron pyrite
93	105		Sandstone
105	106		Iron pyrite
106	115		Gray shale
115	118		Iron pyrite
118	120		Gray shale

Indicate Test Location by an X



Static Water Level: _____ Ft

Remarks: Plugged test hole

Garmin GPS- Nad 83

Latitude: 38.3770 N

Longitude: 98.1723 W

Elevation:

Driller: Luis Luna

Spot Location: SW/ SW/ SE

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
Telephone (620) 792-2488 or (620) 793-5512
P.O. Box 713, Great Bend, KS 67530

DRILLER'S TEST LOG

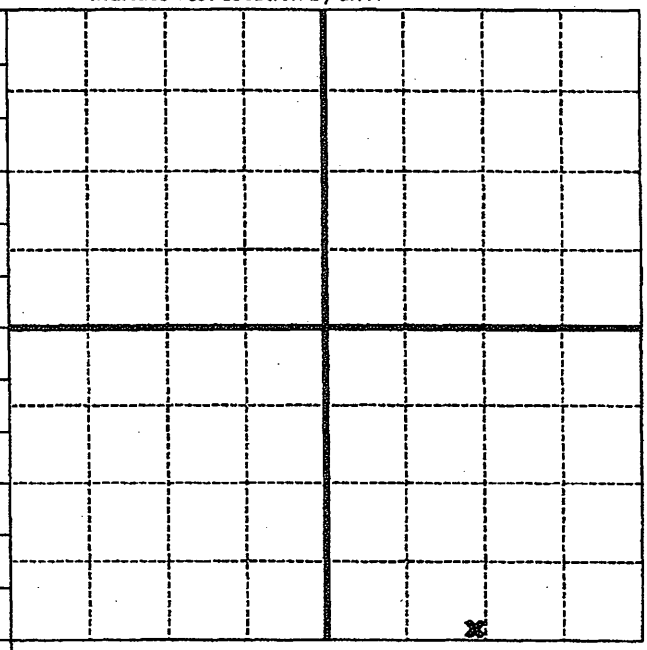
Customer Name: Knight Feed Yard Date: 6/1/2018

Address Test No: #6-18

County: Rice Quarter: SE Section: 23 Township: 19 Range: 8

Drilled Footage From	To		Description of Strata
0	3		Top soil
3	42		Tan clay w/ small caliche streaks
42	44		Ironated rock
44	70		Yellow shale
70	71		Sandstone
71	78		Yellow shale
78	81		Sandstone
81	90		Fire clay
90	105		Gray shale
105	118		Sandstone- clean coarse
118	118.5		Iron pyrite
118.5	127		Sandstone- coarse
127	135		Gray shale

Indicate Test Location by an X



Static Water Level: _____ Ft

Remarks:

Garmin GPS- Nad 83

Latitude: 38.3769 N

Longitude: 98.1696 W

Elevation:

Driller: Luis Luna

Spot Location: SE/ SW/ SE

ROSENCRANTZ-BEMIS EQUIPMENT CO., INC
Telephone (620) 792-2488 or (620) 793-5512
P.O. Box 713, Great Bend, KS 67530

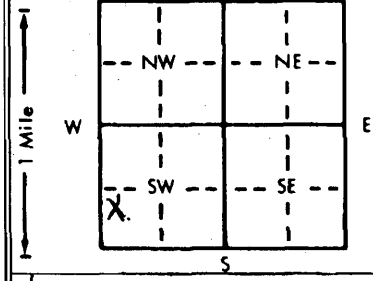
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Rice | Fraction: nw ¼ sw ¼ sw ¼ | Section Number: 25 | Township Number: T 19 S | Range Number: R 8 E/W

Distance and direction from nearest town or city street address of well if located within city?
1 east 1½ north of Lyons, ks.

2 WATER WELL OWNER: Violet Stockham
RR#, St. Address, Box # : Lyons, Ks. 67554
City, State, ZIP Code :
Board of Agriculture, Division of Water Resources
Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 65 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. 18 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 20 ft. below land surface measured on mo/day/yr 10-11-84
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield na gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 10 in. to 65 ft., and in. to ft.
WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes hth No

5 TYPE OF BLANK CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued X Clamped Welded Threaded
Blank casing diameter 5 in. to 45 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 18 in., weight lbs./ft. Wall thickness or gauge No. .258

TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 45 ft. to 65 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 10 ft. to 65 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout Intervals: From 0 ft. to 10 ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? north west How many feet? 73

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	5	Dark top soil			
5	47	Soft tan clay			
47	67	Tan clay with broken rock and sand rock			
67	68	Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10-11-84 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 134 This Water Well Record was completed on (mo/day/yr) 11-29-84
under the business name of Rosencrantz-Bemis by (signature) Tom Dodson

INSTRUCTIONS: Use typewriter or ball point pen, *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R E/W SEC. ¼ ¼ ¼

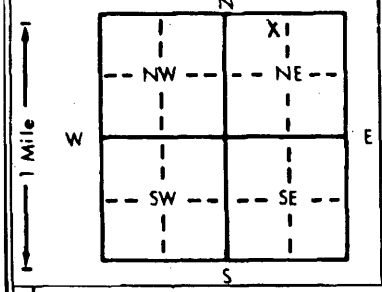
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Rice | Fraction: NE ¼ NW ¼ NE ¼ | Section Number: 14 | Township Number: T 19 S | Range Number: R 8 E/W

Distance and direction from nearest town or city street address of well if located within city?
3½ north 3/4 east of Lyons

2 WATER WELL OWNER: Jack Janssen
RR#, St. Address, Box # : Box 626
City, State, ZIP Code : Lyons, Ks. 67554
Board of Agriculture, Division of Water Resources Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 90 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. 27 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 40 ft. below land surface measured on mo/day/yr 2-19-82
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield NA gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 11 in. to 90 ft., and in. to ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
(1) Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well
Was a chemical/bacteriological sample submitted to Department? Yes No X; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes HTH No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
(2) PVC 4 ABS 7 Fiberglass Threaded
Blank casing diameter 5 in. to 60 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 18 in., weight lbs./ft. Wall thickness or gauge No. .258

TYPE OF SCREEN OR PERFORATION MATERIAL: (7) PVC 10 Asbestos-cement
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify)
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped (8) Saw cut 11 None (open hole)
1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 60 ft. to 90 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 10 ft. to 95 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: (1) Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout Intervals: From 0 ft. to 10 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination:
(8) Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
13 Insecticide storage
Direction from well? South west How many feet? 150'

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	Top soil			
3	7	Brown clay			
7	25	Gray clay			
25	40	Red brown clay, w/some broken rock			
40	60	Red Brown clay			
60	83	Red Brown silty clay			
83	90	Clay, sand & gravel, broken rock			
90	93	Clay			
93	95	Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 2-19-82 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 134 This Water Well Record was completed on (mo/day/yr) 3-27-82
under the business name of Rosencrantz-Bemis Ent. by (signature) Lora Dodson

INSTRUCTIONS: Use typewriter or ball point pen, *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T 19 R 8 E(W) SEC. 14 NE ¼ NW ¼ NE ¼

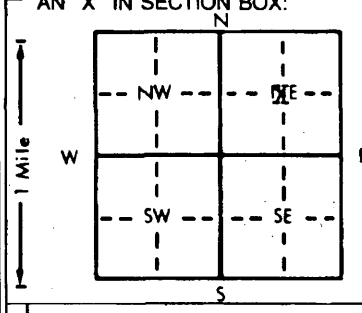
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Rice | Fraction: C ¼ NE ¼ ¼ | Section Number: 27 | Township Number: T 19 S | Range Number: R 8W E/W

Distance and direction from nearest town or city street address of well if located within city?
2 N 3/4 E of Lyons, Kansas

2 WATER WELL OWNER: Roy Dressler
RR#, St. Address, Box # : Route 1
City, State, ZIP Code : Lyons, Ks. 67554
Board of Agriculture, Division of Water Resources
Application Number: None

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL 90 ft. ELEVATION: Unknown
Depth(s) Groundwater Encountered 1. 46 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 46 ft. below land surface measured on mo/day/yr 7/18/83
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield 20 gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 8 in. to 90 ft., and in. to ft.
WELL WATER TO BE USED AS: 1 ~~Domestic~~ 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below)
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 BLANK CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below)
CASING JOINTS: Glued Clamped Welded Threaded
Blank casing diameter 5 in. to 50 ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface 12 in., weight 2.8 lbs./ft. Wall thickness or gauge No. Sch. 40
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) 11 None (open hole)
SCREEN-PERFORATED INTERVALS: From 50 ft. to 90 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 10 ft. to 90 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
Grout Intervals: From 0 ft. to 10 ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)
Direction from well? North How many feet? 150

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	40	Clay			
40	60	Sand Rock			
60	90	Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 7/18/83 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 186 This Water Well Record was completed on (mo/day/yr) 9/6/83 under the business name of Kellys Water Well Service by (signature)

INSTRUCTIONS: Use typewriter or ball point pen, *PLEASE PRESS FIRMLY* and *PRINT* clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T 19 R 8 E/W SEC. 27 C ¼ NE ¼ ¼

STATE OF KANSAS

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

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TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

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

8/1/2018

KNIGHT FEEDLOT, INC
1768 AVENUE J
LYONS, KS 67554

RE: Application, File No. **50093**

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,

Kristen A Baum

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

1:12,000

KNIGHT FEEDLOT INC - SITE MAP

File #'s 50,093 + 50,094

Proposed Place of Use

All known wells within 1/2 mile have been identified.