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:
49,868 A	10/4/2017	**01**	**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) New to system ☐ Person ID **20750** Add Seq# _____

JEFFERSON RWD 10
9383 DELAWARE DR
OZAWKIE KS 66070

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

7a.

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

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

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

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: **12/31/2018** 11. Perfection Date: **12/31/2037** 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: **9/6/2017** By: **DWS**
Date Entered: 10/5/2017 By: CM

File No. **49,868 A**	15. Formation Code: **113**	Drainage Basin: DELAWARE RIVER	County: JF	Special Use:	Stream:

16. Points of Diversion

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

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
MOD	**39820**	**NW SE NE**	**19**	**9**	**18E**	**1**	**3395**	**824** (WEST WELL)	**400**	**15.0**	**400**	~~10.04~~ 10.039	**40,256**

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

19. Limitation: **22.5** MG/yr at _____ gpm (_____ cfs) when combined with file number(s) **40,255 & 40,256**

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

20. Meter Required? ☒ Yes ☐ No To be installed by **12/31/2018** 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	**5740**	**20**	**9**	**18E**	**1**	**WITHIN BOUNDARIES OF RWD 10, JF CO. & IMMEDIATE VICINITY**																	7a.	No	40,255; 40,256; And 49,868 B
√	**5345**	**31**	**9**	**18E**	**1**	**WITHIN THE BOUNDARIES OF OLD TOWN CAMPGROUND**																	7a.	No	40,255; 40,256; And 49,868 B

Comments:

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

TO: Files

DATE: September 6, 2017

FROM: Doug Schemm

RE: Application, File Nos. 49,868 A, and 49,868 B

Jefferson County RWD 10 has filed the referenced applications, each proposing to appropriate 15 million gallons of groundwater per calendar year at a diversion rate not to exceed 400 gallons per minute for municipal use from existing wells. The application forms were signed by a representative of the applicant, stating the District has access to the points of diversion. The wells are located within the Delaware River Basin.

Application, File No. 49,868 B will overlap in point of diversion with Water Right, File No. 40,255 (EAST WELL), which is authorized 6.51 million gallons at a diversion rate of 60 gallons per minute. The applicant did not identify any wells of any kind within one-half mile of the proposed point of diversion (other than his other nearby MUN supply well). No nearby well owner letters are required. This is an existing well that has been utilized for municipal use for many years. The requested quantity of water and rate of diversion are still relatively small, and there is no reason to believe that any senior water rights will be impaired with approval of this application. There are three other permitted groundwater rights within a two-mile radius according to the WRIS database, with the nearest of these being over 8,500 feet away. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be 1,320 feet to non-domestic wells and 660 feet to domestic wells, and spacing is met.

Application, File No. 49,868 A will overlap in point of diversion with Water Right, File No. 40,256 (WEST WELL), which is authorized 6.51 million gallons at a diversion rate of 60 gallons per minute. The applicant did not identify any wells of any kind within one-half mile of the proposed point of diversion (other than his other nearby MUN supply well). No nearby well owner letters are required. This is an existing well that has been utilized for municipal use for many years. The requested quantity of water and rate of diversion are still relatively small, and there is no reason to believe that any senior water rights will be impaired with approval of this application. There are three other permitted groundwater rights within a two-mile radius according to the WRIS database, with the nearest of these being over 8,100 feet away. Per the requirements in K.A.R. 5-4-4 for all other aquifers, the minimum well spacing should be 1,320 feet to non-domestic wells and 660 feet to domestic wells, and spacing is met.

The pending applications do not meet spacing of 1,320 feet to each other, being located approximately 979 feet apart. However, K.A.R. 5-4-4 provides that the spacing guidelines are not applicable if the required minimum well spacing criteria are not necessary to prevent direct impairment. There are several unique circumstances that should be considered in this specific instance regarding minimum well spacing.

- The wells for the municipal supply are operated as a system supplying water to the same water treatment facility, and are not likely to be separated or divided in any way in the future.
- The wells have been in place for many years with no known concerns. The wells are not typically pumped at the same time, and they are pumped based on water supply demands at the treatment facility, not on a continuous basis. This operational flexibility in pumping sources will provide for more efficient management of the source of supply.
- The wells are producing from a shallow alluvial aquifer, located adjacent to Perry Reservoir, and are likely to receive significant recharge from the Delaware River and Perry Reservoir during flood stage. Pumping tests conducted during processing of the senior files showed minimal drawdowns (3 to 4 feet), indicating little interference between the wells.

Therefore, per K.A.R. 5-4-4, the required minimum well spacing criteria is not necessary to prevent direct impairment in this specific instance, and the proposed well spacing is sufficient to prevent direct impairment and to protect the public interest. The wells comply with minimum well spacing criteria to all other wells.

Well logs from the KGS database for the senior files, show sand and gravel layer extending from 34 feet to 43 feet in one well log (static water level of 15 feet); and sand and gravel from 43 feet to 48 feet in the second well log, (static water level of 19 feet); with both ending on shale bedrock. Based on the well logs and the geographical location of the wells near the Delaware River, the source of water is the alluvial aquifer. Per K.A.R. 5-3-11, the area of consideration was based on the extent of this alluvial aquifer, which for File No. 49,868 A was determined to be 3,147 acres. Thus 3,147 acres x 5.4 inches of recharge x 100% recharge available / 12 provides a safe yield of 1,416.15 acre-feet. Prior appropriations total 131.66 acre-feet, leaving over 1,284 acre-feet available. For File No. 49,868 B area of consideration was determined to be 3,027 acres. Thus 3,027 acres x 5.4 inches of recharge x 100% recharge available / 12 provides a safe yield of 1,362.15 acre-feet. Prior appropriations total 177.69 acre-feet, leaving over 1,184 acre-feet available. Both applications comply with safe yield. Also note that these wells are located within the flood pool of Perry Reservoir and would likely gain additional recharge from the lake when at flood stage.

Note that Draft Certificates of Appropriation have been prepared for both senior files with a September 25, 2017 response date. If the certificates are issued as proposed, File No. 40,256 will be limited to 12.461 million gallons when combined with File No. 40,255.

The applicant has exceeded their authorized quantity in the past, and approval of these new applications will provide the District with additional water and prevent over-pumping issues in the future. The applicant has estimated population to grow to 585 within the next 20 years. Using an average of 100 gpcd, (which is an average value for small public water suppliers), provides an estimated quantity of water as follows: Population of 585 x 100 gpcd x 365 days = 21.4 million gallons.

Note that the authorized place of use includes the Old Town Campground. Per information from the their website, this campground has 63 camping sites, which typically operate throughout the spring and summer months, although obviously not at full capacity at all times. Assuming 2 people per campsite, 50% full, and the U.S. EPA report that the average person uses 100 gallons of water per day. Therefore, an estimate of water usage at the campground is 63 campers x 100 gpcd x 180 days = 1.1 million gallons. This provides an estimated total projected need of 22.5 million gallons (21.4 mgy + 1.1 mgy). As noted above, the senior files combined total is 12.461 million gallons. Therefore, these new approvals will be limited to 22.5 million gallons when combined with the senior files, providing 10.039 million gallons additional water.

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 these permits, a check valve will also need to be installed.

Katie Tietsort, Water Commissioner of the Topeka Field Office, recommended approval of the referenced applications in a September 6, 2017 discussion. Based on the above discussion, the additional quantity of water will help the applicant meet future water demands, and approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced new applications be approved.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700

Kansas
Department of Agriculture
agriculture.ks.gov

900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 6, 2017

JEFFERSON RWD 10
% PATRICK A BARNES
9383 DELAWARE DR
OZAWKIE KS 66070

FILE COPY

Re: Appropriation of Water, File Nos. 49,868 A and 49,868 B

Dear Mr. Barnes:

There are enclosed permits to appropriate water 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. Water meters are required 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.

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,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, 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. 49,868 A** of the applicant

JEFFERSON RWD 10
9383 DELAWARE DR
OZAWKIE KS 66070

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 12, 2017.**

2. That the water sought to be appropriated shall be used for municipal use within the boundaries of Rural Water District No. 10, Jefferson County, Kansas and the immediate vicinity, and within the boundaries of Old Town Campground, Jefferson County, Kansas.

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located in the Northwest Quarter of the Southeast Quarter of the Northeast Quarter (NW¼ SE¼ NE¼) of Section 19, more particularly described as being near a point 3,395 feet North and 824 feet West of the Southeast corner of said section, in Township 9 South, Range 18 East, Jefferson 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 **400 gallons per minute** (0.89 c.f.s.) and to a quantity not to exceed **15 million gallons** (46.03 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, 2018** 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, 2037** 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 re-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 the 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 the permit holder shall submit a progress report to the office of the Chief Engineer by March 1, following the tenth full calendar year after the permit was issued. The progress report must be submitted on a form prescribed by the Chief Engineer, and shall compare annual water use projected in the original application with the actual annual water use for the prior 10 years. The progress report must document compliance with the approved conservation plan, contain sufficient details to determine the extent of perfection of the water right during the previous ten years, and demonstrate how the water right, in association with other water rights, meets the municipal use need.

18. That the quantity of water approved under this permit is further limited to the quantity which combined with Water Right, File Nos. 40,255 and 40,256, will provide a **total not to exceed 22.5 million gallons** of water per calendar year for municipal 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 4th day of October, 2017, in Topeka, Shawnee 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 4th day of October, 2017, 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, 2018

Notary Public

CERTIFICATE OF SERVICE

On this 6th day of October, 2017, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,868 A, dated October 4, 2017 was mailed postage prepaid, first class, US mail to the following:

JEFFERSON RWD 10
9383 DELAWARE DR
OZAWKIE KS 66070

With photocopies to:

Topeka Field Office

Danielle Wilson

Division of Water Resources

Overlap with File #40,256 well

APPLICATION COMPLETE
7/12/17
Reviewer DWS

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

WATER RESOURCES RECEIVED
JUL 12 2017
10:31
KS DEPT OF AGRICULTURE

File Number 49868 A
This item to be completed by the Division of Water Resources.

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

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

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

1. Name of Applicant (Please Print): JEFFERSON COUNTY RWD 10

   Address: 9383 DELAWARE DR

   City: OZAWKIE State: KS Zip Code 66070

   Telephone Number: (620) 848-9840

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

   OR ☒ groundwater in DELAWARE RIVER BASIN (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 46.03 acre-feet OR **15 Million** gallons per calendar year, to be diverted at a maximum rate of **400** 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. 1 GMD ○ Meets K.A.R. 5-3-1 (YES) / NO) Use MUN Source GW County JF By AJW Date 7/12/17
Code REG Fee $ 200 TR # _____ Receipt Date 7/12/17 Check # 4973

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

SCANNED
7/19/2017 LCM

* Modified as per Draft Certificate.
DWS/DWR 8/30/17

File No. 49,868-A

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.

WEST WELL * (A) One in the **NW** quarter of the **SE** quarter of the **NE** quarter of Section 19, more particularly described as being near a point ~~3,369~~ 3395 feet North and ~~851~~ 824 feet West of the Southeast corner of said section, in Township 9 South, Range 18 EAST, JEFFERSON 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 (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 6-15, 2017 Pat A Bo
Applicant's Signature

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) EXISTING WELL (1991)
(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 2017.
(Mo/Day/Year)

File No. 49868A

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 WELL

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 ½ 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 ½ mile, please advise us.

(c) 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.

(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.

File No. 40,256 OVERLAPS IN PD AND PU. File No. 40,255 OL in PU only.

File No. 49,868-A

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	1991			
Total depth of well	49			
Depth to water bearing formation	35			
Depth to static water level	14			
Depth to bottom of pump intake pipe	39			

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 _____, Kansas, this _____ day of _____ (month), 2016 (year).

Pat A Barnes
(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: 11/17/2016

Applicant's Name JEFFERSON RWD #10
(Please Print)

MUNICIPAL (PUBLIC WATER SUPPLY) APPLICATION SUPPLEMENTAL INFORMATION SHEET

Application File Number
49,868-A
(assigned by DWR)

SECTION 1: PRESENT WATER USE SUMMARY (IF NO PREVIOUS MUNICIPAL WATER USE HAS BEEN UTILIZED, PROCEED TO SECTION 3)
NOTE: WORKSHEET FOR WATER PUMPED, PURCHASED, AND SOLD BY YOUR WATER DISTRIBUTION SYSTEM.

Column 1 Raw Water Diverted Under Your Rights	Column 2 Water Purchased From All Sources	Column 3 Water Sold to Other Public Water Suppliers	Column 4 Water Sold to Your Industrial, Stock, and Bulk Customers	Column 5 Water Sold to Your Residential and Commercial Customers	Column 6 Other Metered Water	Column 7 Remaining Water Used (See Below Explanation)
TOTAL WATER = Columns 1 + 2		**ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6**				**UNACCOUNTED FOR WATER**

UNACCOUNTED FOR WATER = TOTAL WATER - ACCOUNTED FOR WATER

Column 1: The amount of raw water diverted from all of your points of diversion.

Column 2: The amount of water purchased wholesale from all other public water supply systems or the Kansas Water Office.

Column 3: The amount of water sold wholesale to all other public water supply systems.

Column 4: The amount of water sold retail to all industrial, pasture, stockwater, feedlot, and bulk water service connections. Include the amount of water sold to all farmsteads using at least 200,000 gallons of water per year.

Column 5: The amount of water sold retail to your residential and commercial customers and to industries and farmsteads using less than 200,000 gallons of water per year.

Column 6: The amount of water used that is metered at individual service connections and supplied free, such as for public service, treatment processes, and connections receiving free water.

Column 7: The amount of remaining water used. The gallons reported in this column are found by adding the numbers in Columns 1 and 2 and subtracting the numbers in Columns 3, 4, 5, and 6.

UNACCOUNTED FOR WATER

Use the following to calculate your distribution system's Unaccounted For Water:
Start with the amount in Column 1 and add the amount in Column 2, then subtract the amounts in Columns 3, 4, 5, and 6 leaving an amount of water representing your unaccounted for water to enter in Column 7.

Use the following to calculate the percent Unaccounted For Water versus the Total Water of your system:

$$\text{Percent Unaccounted For Water} = \frac{\text{Unaccounted For Water}}{\text{Total Water (Columns 1,2)}} \times 100$$

If this number exceeds 20%, please explain the large amount of unaccounted for water and describe any steps being taken to reduce it.

SECTION 2: PAST WATER USE
COMPLETE THE FOLLOWING TABLE FROM YOUR PAST WATER USE RECORDS.

	Column 1 Raw Water Diverted Under Your Rights	Column 2 Water Purchased From All Sources	Column 3 Water Sold to Other Public Water Suppliers	Column 4 Water Sold to Your Industrial, Stock, and Bulk Customers	Column 5 Water Sold to Your Residential and Commercial Customers	Column 6 Other Metered Water	Column 7 Remaining Water Used (See Above Explanation)
20 years ago							
15 years ago							
10 years ago							
5 years ago							
	TOTAL WATER = Columns 1 + 2		**ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6**				**UNACCOUNTED FOR WATER**

49868A

SECTION 3: PROJECTED FUTURE WATER NEEDS

PLEASE COMPLETE THE FOLLOWING TABLE SHOWING YOUR FUTURE WATER REQUIREMENTS FOR THE NEXT 20 YEARS:

	Column 1 Raw Water Diverted Under Your Rights	Column 2 Water Purchased From All Sources	Column 3 Water Sold to Other Public Water Suppliers	Column 4 Water Sold to Your Industrial, Stock, and Bulk Customers	Column 5 Water Sold to Your Residential and Commercial Customers	Column 6 Other Metered Water	Column 7 Remaining Water Used (See Explanation on other side)
Year 5		0	0	0	9000000	14000,000	
Year 10		0	0	0	13000000	16 000, 000	
Year 15		0	0	0	15000000	18 000,000	
Year 20		0	0	0	18 000 000	20000,000	
	TOTAL WATER = Columns 1 + 2		**ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6**				**UNACCOUNTED FOR WATER**

SECTION 4: POPULATION AND SERVICE CONNECTIONS

ESTIMATE THE NUMBER OF PERSONS DIRECTLY SERVED BY YOUR WATER DISTRIBUTION SYSTEM

PAST POPULATION - PROVIDE INFORMATION BELOW:
(CENSUS BUREAU INFORMATION)

LAST 20 YEARS	POPULATION
20 years ago	150
15 years ago	287
10 years ago	300
5 years ago	380
Last Year	416

PROJECTED FUTURE POPULATION

ESTIMATE FUTURE POPULATION AND SUBSTANTIATE NUMBERS ON SEPARATE ATTACHMENTS

NEXT 20 YEARS	POPULATION
Year 5	496
Year 10	525
Year 15	560
Year 20	585

Provide number of current active service connections:

107 Residential — 0 Industrial — _____ Other (specify) _____

4 Commercial — 0 Pasture/ Stockwater/ Feedlot — _____ **Total**

* 585 x 100 gpcd (Small mun Avg.) x 365 =
21.4 mgy

DWS/DWR
8/30/17

SECTION 5: PRESENT GALLONS PER PERSON PER DAY

CALCULATE YOUR GALLONS PER PERSON PER DAY

Water in Columns 5, 6, and 7 ÷ Population ÷ 365 Days/Year = Gallons per Person per Day

_____ ÷ _____ ÷ 365 Days/Year = _____ GALLONS PER PERSON PER DAY.

Amount of water in Columns 5, 6, and 7 of Section 1 — Population from Last Year of Section 4

SECTION 6: AREA TO BE SERVED

Describe the area to be served or provide the legal description of the location where the water is to be used including any other city of water supply system (i.e. Rural Water District): _____

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

#49,868-A
meets safe yield

Analysis Results

The selected PD is in an area to new appropriations.
The safe yield, based on the variables listed below is 1,416.15 AF.
Total prior appropriation in the circle is 223.72 AF. - 92.06 = 131.66
Total quantity of water available for appropriation is ~~1,192.43~~ 1284.5 AF.

Safe Yield Variables

The area used for the analysis is set at 3147 acres.
Potential annual recharge of the area is estimated to be 5.4 inches.
The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 09-AUG-2017 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 7 water right(s) and 5 point(s) 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	Tacres	Nacres
A 11421 00	MUN	NK	G		SW	NE	SE	0	0	25	09	17E	1	WR	50.54	50.54		
Same	MUN	NK	G		SW	NE	SE	0	0	25	09	17E	2	WR				
A 33255 00	MUN	NK	G		NW	NE	SE	2335	881	25	09	17E	3	WR	18.11	3.41		
A 38926 00	MUN	NK	G		NW	NE	SE	2335	881	25	09	17E	3	WR	55.85	37.75		
A *40255 00	MUN	MM	G		SW	SW	NW	3072	5223	20	09	18E	1	WR	19.98	19.98		
A *40256 00	MUN	MM	G		NW	SE	NE	3369	851	19	09	18E	1	WR	19.98	19.98		
A 49868 A	MUN	AY	G		NW	SE	NE	3369	851	19	09	18E	1	WR	46.03	46.03		
A 49868 B	MUN	AY	G		SW	SW	NW	3072	5223	20	09	18E	1	WR	46.03	46.03		

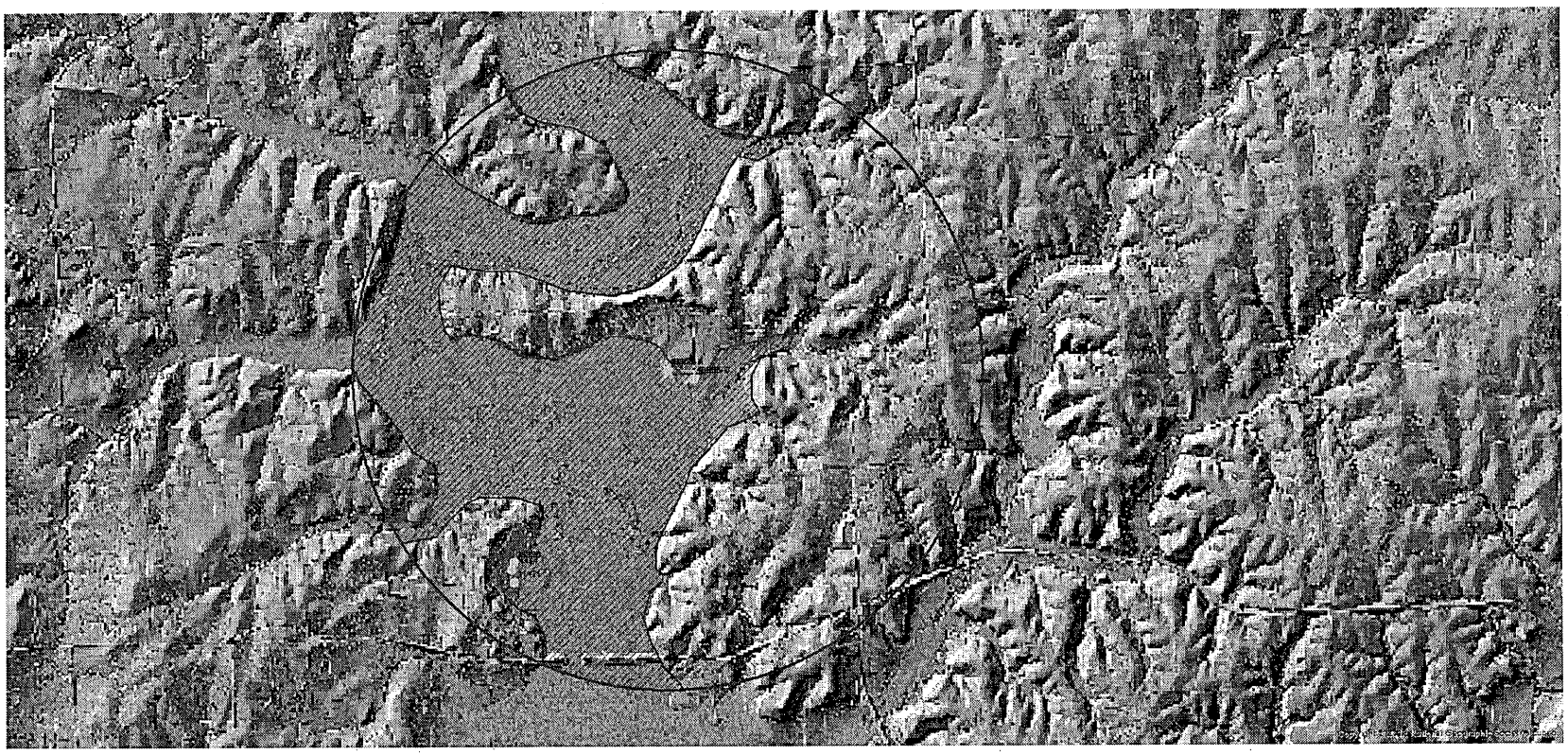
Adjacent wells in same 2-mile circle limitations are valid.

* Note: Draft Certificates on Senior Files

92.06

Safe Yield Report Sheet
Water Right- A49868A
Point of Diversion in NESENW 19-9S-18E 1 (39820)

==========



==========

Report Date Wednesday, August 9 2017

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49868 A

##########

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49868 A MUN

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

3369 Feet North and 851 Feet West of the Southeast Corner of Section 19 T 9S R 18E

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__ 11421	00 MUN	NK	G	8754	--	SW	NE	SE	-----	-----	25	9	17E	1		50.54	50.54	AF
Same				8754	--	SW	NE	SE	-----	-----	25	9	17E	2				
A__ 33255	00 MUN	NK	G	8156	--	NW	NE	SE	2335	881	25	9	17E	3		18.11	3.41	AF
A__ 38926	00 MUN	NK	G	8156	--	NW	NE	SE	2335	881	25	9	17E	3		55.85	37.75	AF
A__ 40255	00 MUN	MM	G	979	--	SW	SW	NW	3072	5223	20	9	18E	1		19.98	19.98	AF
A__ 40256	00 MUN	MM	G	0	--	NW	SE	NE	3369	851	19	9	18E	1		19.98	19.98	AF
A__ 49868 A	MUN	AY	G	0	--	NW	SE	NE	3369	851	19	9	18E	1		46.03	46.03	AF
A__ 49868 B	MUN	AY	G	979	--	SW	SW	NW	3072	5223	20	9	18E	1		46.03	46.03	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	92.07	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	39.96	.00
Total Certified Amount (AF) =	91.69	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	223.72	.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:

3369 Feet North and 851 Feet West of the Southeast Corner of Section 19 T 9S R 18E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number Use ST SR

A__ 11421 00 MUN NK G

> CITY OF OZAWKIE

> CITY CLERK

> PO BOX 120 515 KIOWA

> OZAWKIE KS 66070

>----------

A__ 33255 00 MUN NK G

> CITY OF OZAWKIE

> CITY CLERK

> PO BOX 120 515 KIOWA

> OZAWKIE KS 66070

>----------

A__ 38926 00 MUN NK G

> CITY OF OZAWKIE

> CITY CLERK

> PO BOX 120 515 KIOWA

```
>  OZAWKIE KS 66070
>---------------------------------------
A__    40255 00 MUN MM G
>    JEFFERSON RWD 10
>
>  9383 DELAWARE DR
>  OZAWKIE KS 66070
>---------------------------------------
A__    40256 00 MUN MM G
>    JEFFERSON RWD 10
>
>  9383 DELAWARE DR
>  OZAWKIE KS 66070
>---------------------------------------
A__    49868 A  MUN AY G
>    JEFFERSON RWD 10
>
>  9383 DELAWARE DR
>  OZAWKIE KS 66070
>---------------------------------------
A__    49868 B  MUN AY G
>    JEFFERSON RWD 10
>
>  9383 DELAWARE DR
>  OZAWKIE KS 66070
>---------------------------------------
```

==========

##########

Recreation.gov
EXPLORE YOUR AMERICA

Sa

OLD TOWN, KS

70 Ratings

Details | Map | List | Availability | Photos

Overview

Old Town Campground is situated on Perry Lake in the lush Kansas forest. The campground is popular with those who enjoy fishing and peaceful, quiet camping.

Natural Features:

Perry Lake Dam was completed in 1966 to help with flood control for the Missouri and Mississippi Rivers. Today, the lake boasts 160 miles of shoreline and 11,150 surface acres of water, creating countless recreational activities for visitors, and earning it the nickname "paradise on the plains."

The campground is surrounded by the lake on one side and a dense canopy of forest on the other, making it ideal for those wishing to enjoy the best of both environments.

Recreation:

Perry lake has a reputation for being one of the best sailing lakes in the region; however, boaters of all types will enjoy the many opportunities offered here, whether it's sailing, power boating or canoeing.

Perry Lake offers excellent fishing: White crappie, flathead catfish, walleye, white bass, channel catfish and sauger are in abundance throughout the lake.

In addition to the vast lake, the area has approximately 21,600 acres of public land dedicated to wildlife management: turkey, deer, quail, pheasant, rabbit, squirrel, duck and geese are all found on these federal lands.

Facilities:

Old Town Campground features grassy, wide-open spaces along the shoreline. The non-electric sites are located in these areas, and additional electric sites are located in a shady loop, set back from the lake.

A large group picnic shelter and playground make the area ideal for large parties or family functions.

Nearby Attractions:

For hikers, the nearby 29-mile Perry Lake loop trail offers a range of terrain and difficulty from easy, gentle slopes in the south to rugged, varying elevation changes in the north.

Activities and Amenities

Within Facility

- Biking
- Boat Ramp
- Boating
- Drinking Water
- Dump Station

Book Now

- Electric Hookups
- Fire Rings
- Fishing
- Flush Toilets
- Hiking
- Playground
- Showers
- Trails

Know Before You Go

- Each campsite is allowed either three tents or one RV type vehicle and two tents, if applicable.
- No individual water hookups
- Due to the spread of invasive insects like the Emerald Ash Borer, firewood from outside the area is not permitted. Visitors to Perry Lake may only bring and burn firewood originating from Jefferson County, Kansas. For more information please contact the Perry Lake Project Office at 785-597-5144.
- **Don't Move Firewood:** Protect your forests from tree-killing pests by buying your firewood locally and burning it on-site. Visit Dontmovefirewood.org for further information.

Getting There:

GPS Info. (Latitude, Longitude):
39.225, -95.4375
39°13'30"N, 95°26'15"W

From Ozawkie, Kansas, travel 1.5 miles east on KS-92 and follow signs to the campground.

Contact Information:

Mailing Address:

OLD TOWN
10419 PERRY PARK DRIVE
PERRY KS 66073-9717

Phone Number:

Information: (785)876-3146

Season Dates

Booking Window

Fees and Cancellation

Visitor Photos

Log In and Be the First to Upload a Photo

Additional Information

Kansas State Tourism

Kansas State Road Conditions

Book Now

Recreation.gov
EXPLORE YOUR AMERICA

Save

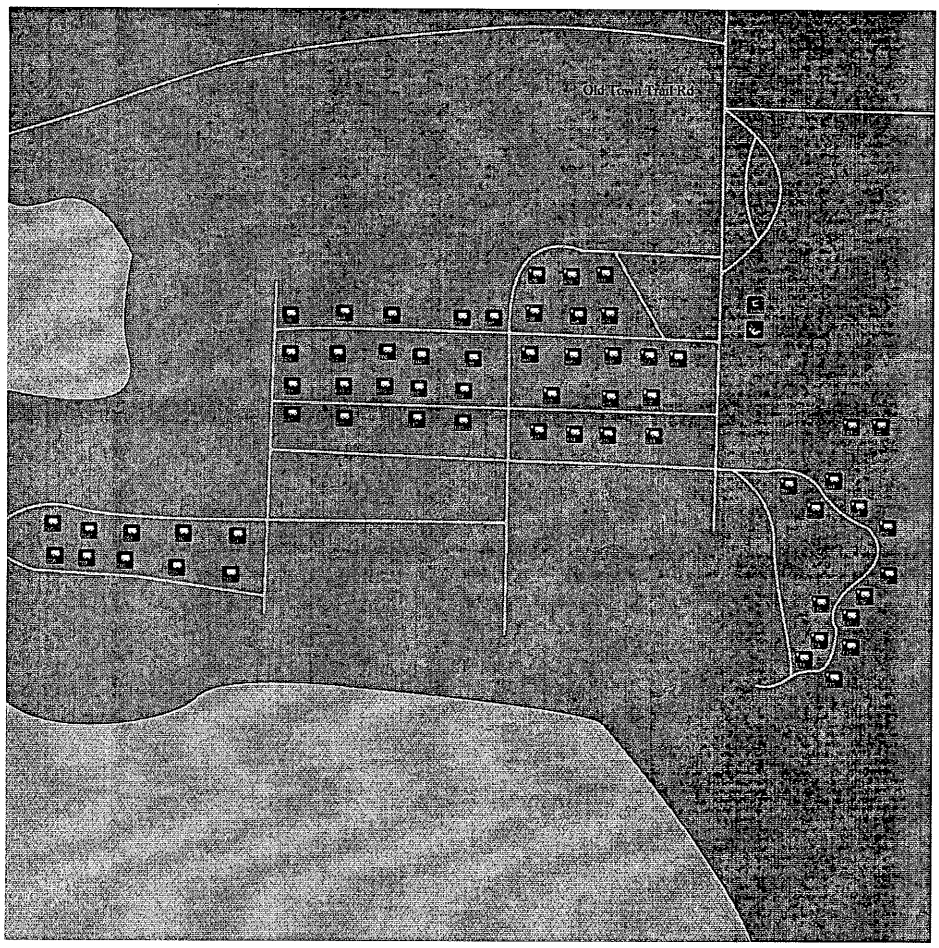
OLD TOWN, KS

Details | Map | List | Availability | Photos

Site Search Results: 1-63 of 63

62 campsites

Available online Unavailable online



Site Search Results: 1-63 of 63

** Arrival dates earlier than the online-reservation-window may also be available at the facility.

Recreation.gov
EXPLORE YOUR AMERICA

49,868-A
pd/Pu overlap

THE STATE OF KANSAS

DRAFT

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

CERTIFICATE OF APPROPRIATION FOR BENEFICIAL USE OF WATER

WATER RIGHT, **File No. 40,256**

PRIORITY DATE **March 15, 1991**

WHEREAS, It has been determined by the undersigned that construction of the appropriation diversion works has been completed, that water has been used for beneficial purposes and that the appropriation right has been perfected, all in conformity with the conditions of approval of the application pursuant to the water right referred to above and in conformity with the laws of the State of Kansas.

NOW, THEREFORE, Be It Known that DAVID W. BARFIELD, the duly appointed, qualified and acting Chief Engineer of the Division of Water Resources of the Kansas Department of Agriculture, by authority of the laws of the State of Kansas, and particularly K.S.A. 82a-714, does hereby certify that, subject to vested rights and prior appropriation rights, the appropriator is entitled to make use of groundwater to be withdrawn by means of a well (a.k.a. West Well) located in the Northwest Quarter of the Southeast Quarter of the Northeast Quarter (NW¼ SE¼ NE¼) of Section 19, more particularly described as being near a point 3,395 feet North and 824 feet West of the Southeast corner of said section, in Township 9 South, Range 18 East, Jefferson County, Kansas, at a diversion rate not in excess of **60 gallons per minute (0.13 c.f.s.)** and a quantity not to exceed **6.51 million gallons (20 acre-feet)** of water per calendar year for **municipal use** within the boundaries of Rural Water District No. 10, Jefferson County, Kansas and the immediate vicinity, and within the boundaries of Old Town Campground, Jefferson County, Kansas.

This appropriation right is further limited to a quantity of water which when combined with the water right set forth in the Certificate of Appropriation issued pursuant to File No. 40,255, will provide a total quantity not to exceed **12.461 million gallons (38.24 acre-feet)** of water per calendar year for municipal use at the location described herein.

(over)

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

1 LOCATION OF WATER WELL: County: Jefferson | Fraction: [redacted] NW NE DAB [redacted] 1/4 [redacted] 1/4 SE 1/4 | Section Number: 25 | Township Number: T 9 S | Range Number: R 17 E W

Distance and direction from nearest town or city? N.E. PART - Town | Street address of well if located within city? NO address

2 WATER WELL OWNER: OZAWKIE City Well #3
RR#, St. Address, Box #:
City, State, ZIP Code: OZAWKIE, KANSAS 66070
Board of Agriculture, Division of Water Resources Application Number:

3 DEPTH OF COMPLETED WELL 59 ft. Bore Hole Diameter 18 in. to ft., and in. to ft.

Well Water to be used as: 1 Domestic 3 Feedlot 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)

Well's static water level 19 ft. below land surface measured on [redacted] JAN month 22 day 1980 year

Pump Test Data: 100 gpm Est. Yield → [redacted] gpm: Well water was 40 ft. after 6 hours pumping 102 gpm; Well water was ft. after hours pumping gpm

4 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 dia 12 3/4 in. to 0-45 ft., Dia 12 3/4 in. to 54-59 ft., Dia in. to ft.

Casing height above land surface 24 in., weight 49.56 [redacted] lbs./ft. Wall thickness or gauge No [redacted] .325

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: Johnson 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-Perforation Dia 12 in. to ft., Dia in. to ft., Dia in to ft.

Screen-Perforated Intervals: From 45 ft. to 54 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

Gravel Pack Intervals: From 20 ft. to 59 ft., From ft. to ft.
From ft. to ft., From ft. to ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other

Grouted Intervals: From 0 ft. to 20 ft., From ft. to ft., From ft. to ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Lateral lines 4 Cess pool 5 Seepage pit 6 Pit privy 7 Sewage lagoon 8 Feed yard 9 Livestock pens 10 Fuel storage 11 Fertilizer storage 12 Insecticide storage 13 Watertight sewer lines 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well W How many feet 900? Water Well Disinfected? Yes ✓ No

Was a chemical/bacteriological sample submitted to Department? Yes ✓ No: If yes, date sample was submitted month day 1981 year: Pump Installed? Yes ✓ No

If Yes: Pump Manufacturer's name Jacuzzi Model No 10SLC4-T2 HP 1.0 Volts 230

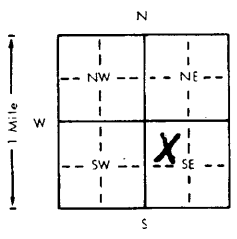
Depth of Pump Intake 50 ft. Pumps Capacity rated at 90 gal./min.

Type of pump: (1 Submersible) 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on Jan month 22 day 1981 year and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182

This Water Well Record was completed on Feb month 2 day 1981 year under the business name of Strader Drlg. Co. Inc. by (signature) Dale Ashren

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



ELEVATION: 912

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	Top Soil			
3	28	Clay, brown			
28	36	Silty Clay, brown			
36	46	Fine Sand, brown, clean			
46	53	" " Course Sand, clean			
53	59	Shale, gray			

Depth(s) Groundwater Encountered 1. 36 ft. 2. ft. 3. ft. 4. ft. (Use a second sheet if needed)

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, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T 9 H 17 E W SEC. 25 NE 1/4 NE 1/4 SE 1/4

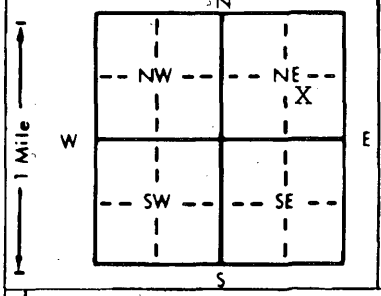
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: JEFFERSON | Fraction: NW ¼ SE ¼ NE ¼ | Section Number: 19 | Township Number: T 9 S | Range Number: R 18E E/W

Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: Jefferson Co. RWD #10
RR#, St. Address, Box # : P.O. Box 138 WELL #1 - West
City, State, ZIP Code : Ozawkie, KS 66070
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 45' ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 14'-9" ft. below land surface measured on mo/day/yr 9-03-91
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 24" in. to 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 Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes X 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 X Threaded
Blank casing diameter 8" in. to 0-39 ft., Dia 8" in. to 44-45 ft., Dia in. to ft.
Casing height above land surface 24" in., weight 28.55 lbs./ft. Wall thickness or gauge No. .322
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel | 2 Brass | 3 Stainless steel Johnson | 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 39 ft. to 44 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 20 ft. to 45 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 6 ft. to 20 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? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Top Soil			
3	34	Clay-Brown			
34	38	Fine Sand-Brown			
38	43	FS-CS-Med-Gravel-Brown			
43	48	Shale-Grey			
48		Limestone-Grey			

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) 9-03-91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 9-3-91
under the business name of STRADER DRILLING CO., INC. by (signature) Dale Strader

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, Bureau of Water, Topeka, Kansas 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

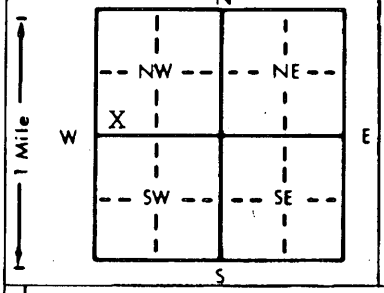
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: JEFFERSON	Fraction: SW ¼ SW ¼ NW ¼	Section Number: 20	Township Number: T 9 S	Range Number: R 18E E/W

Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: Jefferson Co. RWD #10
RR#, St. Address, Box # : P.O. Box 138 WELL #2 - East
City, State, ZIP Code : Ozawkie, KS 66070
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 50 ft. ELEVATION:
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 19' ft. below land surface measured on mo/day/yr 9-05-91
Pump test data: Well water was ft. after hours pumping gpm
Est. Yield gpm: Well water was ft. after hours pumping gpm
Bore Hole Diameter 24" in. to 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 Monitoring well
Was a chemical/bacteriological sample submitted to Department? Yes No; If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes X No

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded X
2 PVC 4 ABS 7 Fiberglass Threaded
Blank casing diameter 8" in. to 0-44 ft., Dia 8" in. to 49-50 ft., Dia in. to ft.
Casing height above land surface 24" in., weight 28.55 lbs./ft. Wall thickness or gauge No. .322

TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement
1 Steel 3 Stainless steel Johnson 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 44 ft. to 50 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 24 ft. to 50 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 6 ft. to 24 ft., From ft. to ft., From ft. to ft.
What is the nearest source of possible contamination:
1 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? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Top Soil			
3	43	Clay-Brown			
43	48	FS-CS-Some Med Gravel			
48	50	Shale-Grey			

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) 9-05-91 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182 This Water Well Record was completed on (mo/day/yr) 10-3-91
under the business name of STRADER DRILLING CO., INC. by (signature) Dale Strader

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, Bureau of Water, Topeka, Kansas 66620-7320. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

MEMORANDUM

TO: Files

DATE: May 30, 1991

FROM: William J. Gilliland

RE: Appropriation of Water
File Nos. 40,255; 40,256
& 16,608

Rural Water District No. 10, Jefferson County, Kansas, has filed the above referenced applications to appropriate groundwater for municipal use within the area served by the District. The District has been using surface water from Lake Perry under Appropriation of Water, File No. 16,608. K.D.H.E. has told the District to obtain a different source of water because they are unable to adequately treat the lake water in the existing treatment facility.

The District has requested that File No. 16,608 be dismissed, but that it not be dismissed until the end of this year; to allow completion of the process of getting permits from the U.S. Government and construction. This request appears reasonable and can be accomplished with a Findings and Order for a dismissal date of December 31, 1991. Dismissal of File No. 16,608 will remove 71.52 MGY (219.5 AG) from the books, of which only a maximum of 49.1 AF had been reported used.

The source of supply will be alluvium and terrace material of the Delaware River Valley. The proposed wells are located within the flood pool of Perry Reservoir and recharge to the wells can be expected from the lake. Transmissivity was estimated from graphic plots of test hole pumping tests; TW #4 was T = 22,630 g.p.d.f. and TH #2 was T = 6,336 g.p.d.f. Both wells should yield the requested 60 g.p.m.

The applicant has requested a waiver of the spacing requirements of Administrative Policy No. 85-4, because the two wells are located approximately 1,000 feet apart. The proximity of the wells to the lake and results of drawdown during pumping test indicates that the well interference will be minimal. The District has also stated that the wells will not be pumped at the same time. It therefore, appears reasonable to waive the spacing requirement of 1,320 feet between wells.

The District has applied to the U. S. Corps of Engineers for easement and authorization to locate the wells within the flood pool area. These are being processed at the Kansas City Office. A limitation should be included in the permit, making them subject to obtaining the required easements and authorization.

The District has requested a total of 13.03 MGY (40 AF) at a total combined rate of 120 g.p.m. They report a maximum number of 65 service meters, at 3.8 persons/meter, this would indicate about 245 persons served. A high use of 16 MG was reported by the District for 1984, which may be related to the problems with the system.

(Continued)

49868A

(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application
File No. 49,868 A

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

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

Pat A Barnes
Signature of Applicant

Patrick A Barnes
(Print Applicant's Name)

State of Kansas)
) ss
County of Shawnee)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 15 day of June, 2017.

Notary Public

My Commission Expires: 4/28/21

STATE OF KANSAS NOTARY PUBLIC
ANN M. MURPHY
My Appointment Expires
April 28, 2021

WATER RESOURCES
RECEIVED
JUL 12 2017
KS DEPT OF AGRICULTURE

DWR 1-100.171 (Revised 03/27/2008)

SCANNED

MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River
Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

1320 Research Park Drive
Manhattan, Kansas 66502
Jackie McClaskey, Secretary

Kansas
Department of Agriculture

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

July 14, 2017

FILE COPY

JEFFERSON COUNTY RWD 10
9383 DELAWARE DR
OZAWKIE KS 66070

RE: Application
File No. 49868 A

Dear Sir or Madam:

Your application for permit to appropriate water in 19-9S-18E in Jefferson County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed $500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A Baum

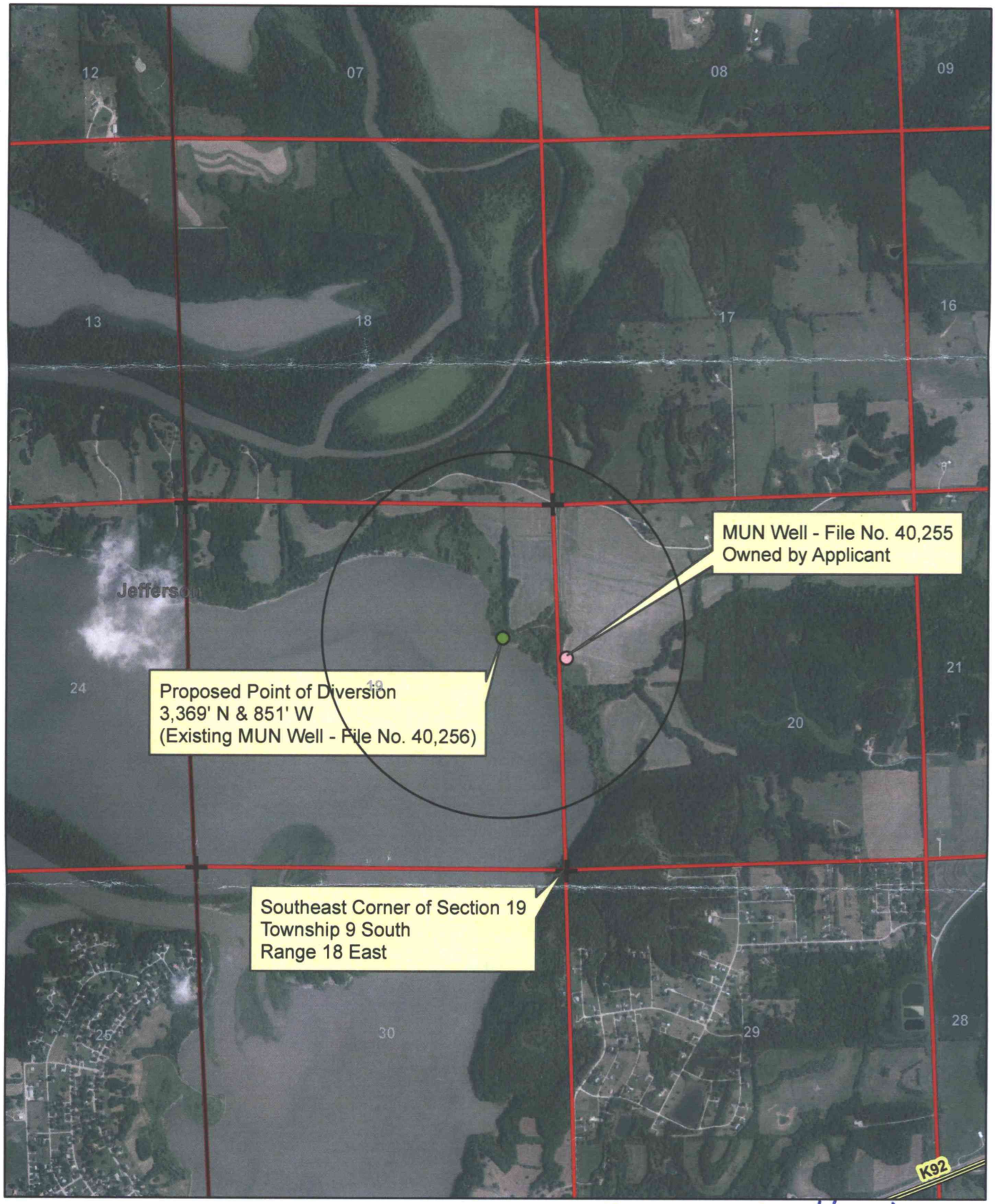
Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

SCANNED

49868A

Jefferson County RWD #10
Section 19, Township 9 South, Range 18 East
Jefferson County



N

1:24,000

○ Existing Well

● Proposed Point of Diversion

No wells within 1/2 mile

All known well owners within one-half mile of the proposed point of diversion are shown on this map.

Peter A Barnes