

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

JUL 06 2023

823

Submit To: CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502
http://agriculture.ks.gov/dwr

APPLICATION FOR APPROVAL TO
CHANGE THE PLACE OF USE, THE
POINT OF DIVERSION OR THE USE
MADE OF THE WATER UNDER AN
EXISTING WATER RIGHT

DEPT OF AGRICULTURE



State of Kansas

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule on signature page of application form.)

Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and /or place of use must accompany this application.

1. Application is hereby made for approval of the Chief Engineer to change the

- Place of Use
- (Check one or more) Point of Diversion
- Use Made of Water

File No. 17,990

2. Name of applicant: CITY OF QUINTER

Address: P.O. Box 555

City, State and Zip: QUINTER KANSAS 67752-0555

Phone Number: (785) 754-3821 E-mail address: jeremyblackwill@gmail.com

What is your relationship to the water right; owner tenant agent

Name of water use correspondent: SAME AS APPLICANT/OWNER

Address: _____

City, State and Zip: _____

Phone Number: () _____ E-mail address: _____

3. The change(s) proposed herein are desired for the following reasons (please be specific): AN IRRIGATION WATER RIGHT WAS PURCHASED IN 2019 AND THE CITY IS READY TO DRILL A NEW WELL AND PUMP BETTER QUALITY WATER TO THE CITY'S DISTRIBUTION SYSTEM.

The change(s) ~~was~~ (will be) completed by JUNE 30, 2024.

(Date) 7/7/2023
KAnderson

For Office Use Only:															
F.O. Code	<u>3</u>	GMD	<u>4</u>	Meets K.A.R. 5-5-1 (YES/NO)	<input type="checkbox"/>	Use	<u>IRR</u>	Source	<input type="checkbox"/>	County	<u>GO</u>	By	<u>ALB</u>	Date	<u>7/6/23</u>
Fee \$	<u>700</u>	TR #		Receipt Date	<u>7/6/2023</u>	Check #	<u>11029</u>								

6. The presently authorized point(s) of diversion (is) (are) ONE (1) IRRIGATION WELL
(Provide description and number of points)
7. The proposed point(s) of diversion (is) (are) ONE (1) MUNICIPAL WELL & PIPELINE.
(Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:** POIV = 32395 ID=1

One in the NW Quarter of the NW Quarter of the SW Quarter of Section 6, Township 12 South, Range 26 (W), in GOVE County, Kansas, 2,439 feet North 5,217 feet West of Southeast corner of section. Authorized Rate 175 GPM Authorized Quantity 119 AF

(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)

This point will not be changed This point will be changed as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the SW Quarter of the SW Quarter of the NW Quarter of Section 6, Township 12 South, Range 26 (W), in GOVE County, Kansas, 2,761 feet North 5,147 feet West of Southeast corner of section. Proposed Rate 175 GPM Proposed Quantity 33.619 mgd

This point is: Additional Well Geo Center List other water rights that will use this point _____

9. **Presently authorized point of diversion:**

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____

(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)

This point will not be changed This point will be changed as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____

This point is: Additional Well Geo Center List other water rights that will use this point _____

10. **Presently authorized point of diversion:**

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____

(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)

This point will not be changed This point will be changed as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____

This point is: Additional Well Geo Center List other water rights that will use this point _____

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11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. THE PREVIOUSLY AUTHORIZED IRRIGATION WELL WILL BE PLUGGED BY THE CITY OF QUINTER'S WATER WELL DRILLING CONTRACTOR.
- IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

12. The presently authorized use of water is for IRRIGATION purposes.
It is proposed that the use be changed to MUNICIPAL purposes.

13. If changing the place of use and/or use made of water, describe how the consumptive use will not be increased.
THE PROPOSED AUTHORIZED QUANTITY IS EQUAL TO THE QUANTITY SPECIFIED BY REGULATION K.A.R. 5-5-19

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(Please show any calculations here.)

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14. It is requested that the maximum annual quantity of water be reduced to 33.619 MG Y (~~200,000,000~~ million gallons).

15. It is requested that the maximum rate of diversion of water ~~be reduced to~~ REMAIN AT 175 gallons per minute (0.39 c.f.s.).

16. The application must include either a topographic map or detailed plat. A U.S. Geological Survey Topographic Map, scale 1:24,000, is available through the Kansas Geological Survey, 1930 Constant Avenue, University of Kansas, Lawrence, Kansas 66047-3726 (www.usgs.gov). The map should show the location of the presently authorized point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. The presently authorized place of use should also be shown. Identify the center of the section, the section lines and the section corners and show the appropriate section, township, and range numbers on the map. In addition the following information must also be shown on the map.

- a. If a change in the location of the point(s) of diversion is proposed, show:
 - 1) The location of the proposed point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. Please be certain that the information shown on the map agrees with the information shown in Paragraph Nos. 9, 10 and 11 of the application.
 - 2) If the source of supply is groundwater, please show the location of existing water wells of any kind, including domestic wells, within 1/2 mile of the proposed well or wells. Identify each well as to its use and furnish name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please indicate so on the map.
 - 3) If the source of supply is surface water, the names and mailing addresses of all landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- b. If a change in the place of use is desired, show the proposed place of use by crosshatching on the map. Please be certain that the information shown on the map agrees with the information shown in Paragraph No. 5 of the application.

17. Attach documentation to show the change(s) proposed herein will not impair existing water rights and relates to the same local source of supply as to which the water right relates. This information may include statements, plats, geology reports, well logs, test hole logs, and other information as necessary information to show the above. Additional comments may be made below.

THE RELOCATION OF THE AUTHORIZED WELL BY 330 FEET KEEPS THE POINT OF DIVERSION IN THE SAME LOCAL SOURCE OF SUPPLY.

18. If the proposed change(s) does not meet all applicable rules and regulations of the Kansas Water Appropriation Act, please identify the rules and regulations for which you request a waiver. State the reason why a waiver is needed and why the request should be granted. Attach documentation showing that granting the request will not impair existing water rights and will not prejudicially and unreasonably affect the public interest.

NO WAIVERS ARE NEEDED OR REQUESTED.

Any use of water that is not as authorized by the water right or permit to authorize water **before** the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse. If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.

If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use as identified herein, or that I represent all such owners and am authorized to make this application on their behalf, and declare further that the statements contained herein are true, correct, and complete. By filing this application I authorize the chief engineer to permanently reduce the quantity of water and/or rate of diversion as specified in sections 14 and 15 of this application.

Dated at QUINTER KS, Kansas, this 26 day of JUNE, 2023.



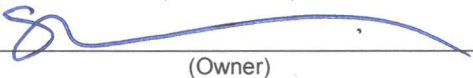
(Owner)

(Spouse)

Jeremy Blackwill

(Please Print)

(Please Print)



(Owner)

(Spouse) **WATER RESOURCES RECEIVED**

Sue Marcher

(Please Print)

(Please Print) **JUL 06 2023**

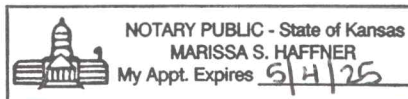
(Owner)

(Spouse) **KS DEPT OF AGRICULTURE**

(Please Print)

(Please Print)

State of Kansas }
County of Gove } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 26th day of June, 2023.



Notary Public

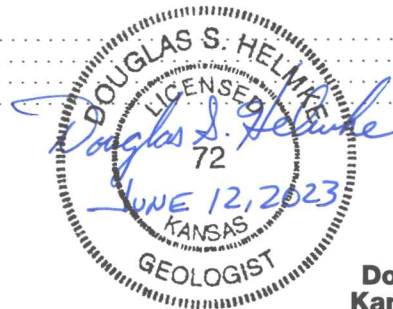
My Commission Expires May 4, 2025

FEE SCHEDULE

Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

- (1) Application to change a point of diversion 300 feet or less \$100
- (2) Application to change a point of diversion more than 300 feet \$200
- (3) Application to change the place of use \$200
- (4) Application to change the use made of the water \$300

Make check payable to **Kansas Department of Agriculture.**

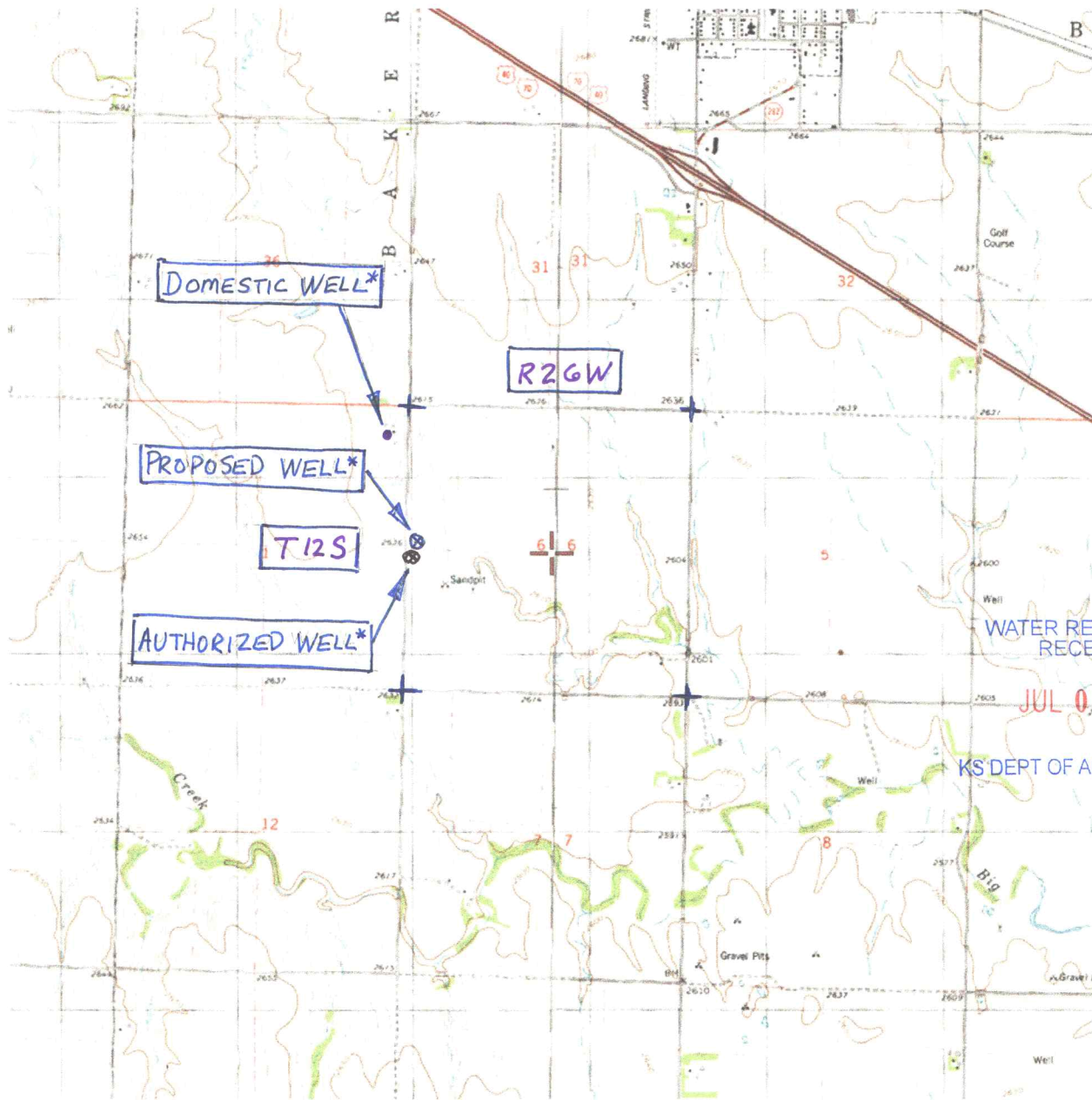


\$700

Please send a copy of all correspondence, including application acknowledgment letter, to:

Douglas S. Helmke, P.G.
Kansas Rural Water Assn.
6847 SE 29th Street
Tecumseh, Kansas 66542-9571

Water Right, File No. 17,990
 Application for Change in Place of Use, Point of Diversion and Use Made of Water



- Legend**
- ⊗ Irrigation Well
 - ⊗ Municipal Well
 - Domestic Well
- * SEE REVERSE FOR MORE INFORMATION

All wells of every kind within 1/2-mile of the proposed point of diversion have been plotted.

Dmit Pruss
 (Signature)



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Domestic Well Owner
Ken G & Connie Hill
2491 County Road 70
Quinter, KS 67752-6066

Authorized Well Location / PDIV 32395-1
NW NW SW 6 - 12 - 26W
2,439'N x 5,217'W

Proposed Well Location / PDIV _____
SW SW NW 6 - 12 - 26W
2,761'N x 5,147'W

Applicant's Name CITY OF QUINTER
(Please Print)

MUNICIPAL (PUBLIC WATER SUPPLY) APPLICATION SUPPLEMENTAL INFORMATION SHEET

Application File Number
17,990
(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.

2022

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Below Explanation)
64.301	—	—	—	58.632	5.041	0.628
TOTAL WATER = Columns 1 + 2		ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6				UNACCOUNTED FOR WATER

UNACCOUNTED FOR WATER = TOTAL WATER - ACCOUNTED FOR WATER

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- 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	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Above Explanation)
20 years ago 2003	84.083	—	—	.054	76.905	3.117	4.007
15 years ago 2008	70.100	—	—	—	55.778	3.465	10.789
10 years ago 2013	67.315	—	—	—	60.306	3.325	3.684
5 years ago 2018	43.801	—	—	—	36.621	2.103	5.077
	TOTAL WATER = Columns 1 + 2		ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6				UNACCOUNTED FOR WATER

SECTION 3: PROJECTED FUTURE WATER NEEDS

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

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Explanation on other side)
Year 5	70,000	-	-	0,000	58,000	5,000	7,000
Year 10	90,000	-	-	17,000	60,000	5,000	8,000
Year 15	110,000	-	-	34,000	62,000	5,000	9,000
Year 20	130,000	-	-	50,000	65,000	5,000	10,000
	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 2003	1,000
15 years ago 2008	920
10 years ago 2013	931
5 years ago 2018	950
Last Year 2022	540

PROJECTED FUTURE POPULATION

ESTIMATE FUTURE POPULATION AND SUBSTANTIATE NUMBERS ON SEPARATE ATTACHMENTS

NEXT 20 YEARS	POPULATION
Year 5 2028	600
Year 10 2033	625
Year 15 2038	650
Year 20 2043	675

Provide number of current active service connections:

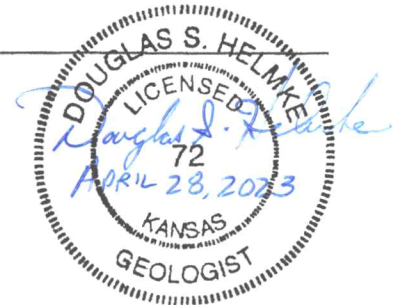
476 Residential - Industrial - Other (specify) _____
64 Commercial - Pasture/ Stockwater/ Feedlot 540 Total

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

$$\frac{64.301}{\text{Amount of water in Columns 5, 6, and 7 of Section 1}} \div \frac{540}{\text{Population from Last Year of Section 4}} \div 365 \text{ Days/Year} = 326 \text{ GALLONS PER PERSON PER DAY.}$$



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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):

MUNICIPAL USE WITHIN THE CITY OF QUINTER & IMMEDIATE VICINITY.

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

TERRANE RESOURCES CO.
LITHOLOGIC LOG AND WELL DESIGN

PROJECT: Quinter PWS

DATE: 28 Oct 22 BORING I.D. TW 1-22

DRLG CONTR: Aguz Pump

DRLG METHOD MR

PRJ GEO Wed Water

CREW Von Dill

LOCATION 6" Test Reamed to 11"

DATE	TIME	DEPTHS	FORMATION	WELL SCHEMATIC
28 Oct	08:30		Mixing Cel	WATER RESOURCES RECEIVED
	08:50			JUL 06 2023
		0-6	Topsoil	KS DEPT OF AGRICULTURE
		6-17	Clay, gray/tan much w/ sand	
		17-20	Sand w/ UC, tan, w/ some clay	
		20-28	StC, w/ UC, argosic, tan, w/ clay streaks	
		28-37	Clay, tan, w/ w/ UC sand	
		37-44	StC, w/ UC, red-tan, argosic, w/ some pebbles	
		44-46	Cemented StC (mortar beds?)	
		46-50	StC, w/ UC, w/ some pebbles & clay streaks	
		50-52	StC, cemented, hard, clay streaks, white	
		52-60	Clay, soft sandy	
		60-68	Sand, w/ UC, clayey, less clay w/ depth	
		68-71	Sandstone, cemented, white, firm	
		71-76	StC, w/ UC, w/ pebbles, white/tan Switched to rock bit	
		76-77	Ls, Mass Agate, rocks, green w/ depth	
		77-82	Weathered shale (ochre) to gray shale Reamed hole to 76'	
	11:25			
		66-76	Screen 10' .032 slot	
		+2-66	Casing	
	12:05			
		60-76'	Gravel pack	
		13-60'	Grout, chips 3/8 355ks	
	12:50		Cut casing & began bailing	
		2-13'	Grout	
	13:40		Bailing ceased, little sand & starting to clear. Placed 3 gal Chlorine w/ water Plan to start pumping on Monday	

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Table 1: Average GPCD for public water suppliers by region and size, 2013-2017

Region ¹	Year					Average
	2013	2014	2015	2016	2017	
1	275	258	239	245	213	246
2	238	224	209	205	184	212
3	218	209	207	193	186	202
4	175	160	151	141	154	156
5	133	121	121	111	114	120
6ML	129	133	128	126	132	130
6S	116	120	124	111	109	116
7L	120	127	121	120	119	121
7M	94	95	90	91	92	92
7S	84	83	78	80	79	81
8L	115	116	105	108	103	109
8M	88	89	85	84	83	86
8S	72	72	71	69	71	71
Kansas³	111	110	106	103	102	106

¹Large suppliers (L) serve 10,000 persons or more. Medium (M) suppliers serve 500 to 9,999 persons. Small (S) suppliers serve fewer than 500 persons.

²Medium and large are combined because of limited number of systems in region

³State-wide GPCD is computed as the average of public-water supplier's GPCDs specified for use in a regional average

Table 2: Average GPCD for public water suppliers by Regional Planning Area, 2013-2017

Source-water Regional Planning Area	Year					Average
	2013	2014	2015	2016	2017	
Cimarron (Ci)	236	238	193	190	183	208
Equus-Walnut (Ew)	93	95	88	85	87	90
Great Bend Prairie (Gb)	130	123	121	111	116	120
Kansas (Ks)	89	89	85	88	84	87
Marais Des Cygnes (Mc)	80	79	77	77	76	78
Missouri (Mo)	97	92	88	87	90	91
Neosho (Ne)	87	87	85	86	83	85
Red Hills (Rh)	134	132	128	120	117	126
Smoky Hill-Saline (Ss)	104	106	106	100	103	104
Solomon-Republican (Sr)	134	137	131	124	130	131
Upper Arkansas (Ua)	207	192	182	185	175	188
Upper Republican (Ur)	259	239	247	230	211	237
Upper Smoky Hill (Us)	241	236	216	204	195	218
Verdigris (Ve)	80	83	77	80	80	80
Kansas¹	111	110	106	103	102	106

¹State-wide GPCD is computed as the average of public-water suppliers' GPCDs specified for use in a regional average

TABLE 6
PROJECTED WATER DEMAND IN THOUSANDS OF GALLONS
BY COUNTY BY PUBLIC WATER SUPPLIER BY SELECTED YEAR
2000, 2010, 2020, 2030 and 2040

County ID	Name of Public Water Supplier	Year				
		2000	2010	2020	2030	2040
FI	East Side Trailer Park	2,289	2,289	2,289	2,289	2,289
FI	Finney RWD #01	96,159	111,135	126,071	141,047	155,983
FI	Garden City	1,938,021	2,156,119	2,374,218	2,592,068	2,810,167
FI	Hilltop Trailer Park	5,689	5,689	5,689	5,689	5,689
FI	Holcomb	118,065	156,846	195,627	234,408	273,189
FI	H-Park	2,441	2,441	2,441	2,441	2,441
FI	Johnson Subdivision	2,026	2,026	2,026	2,026	2,026
FI	Towns River View	13,271	13,271	13,271	13,271	13,271
FI	Whatley's Trailer Park	1,060	1,060	1,060	1,060	1,060
FO	Bucklin	92,205	94,738	97,144	99,551	102,084
FO	Dodge City	1,670,960	1,832,640	1,994,321	2,156,001	2,317,681
FO	Ford	40,256	43,997	47,738	51,480	55,221
FO	Spearville	50,697	53,035	55,373	57,711	60,049
FR	Franklin RWD #01	46,679	62,336	77,993	93,609	109,266
FR	Franklin RWD #02	11,957	13,133	14,308	15,483	16,659
FR	Franklin RWD #03	2,861	3,204	3,546	3,888	4,231
FR	Franklin RWD #04	70,626	93,504	116,383	139,261	162,140
FR	Franklin RWD #05	28,867	33,927	39,032	44,090	49,149
FR	Franklin RWD #06	73,132	74,866	76,560	78,293	80,067
FR	Franklin RWD #07	2,991	3,372	3,807	4,242	4,677
FR	Lane	5,970	6,499	7,028	7,558	8,087
FR	Ottawa	498,703	571,776	644,849	717,922	790,995
FR	Pomona	29,405	31,406	33,375	35,343	37,312
FR	Princeton	6,858	7,592	8,327	9,062	9,797
FR	Rantoul	6,380	7,223	8,094	8,937	9,781
FR	Richmond	21,762	22,558	23,354	24,149	24,945
FR	Wellsville	53,545	57,376	61,177	65,008	68,809
FR	Williamsburg	14,119	14,441	14,763	15,131	15,453
GE	Geary RWD #01	6,320	6,320	6,320	6,320	6,320
GE	Geary RWD #02	3,632	4,335	4,999	5,663	6,327
GE	Geary RWD #04	25,665	32,533	39,343	46,152	52,987
GE	Grandview Plaza	46,757	48,290	49,786	51,319	52,816
GE	Junction City	1,117,357	1,157,602	1,197,899	1,238,196	1,278,442
GE	Milford	18,852	18,326	17,800	17,275	16,749
GE	Miller Mobile Home Park	2,468	2,468	2,468	2,468	2,468
GH	Bogue	13,935	13,935	14,004	14,073	14,073
GH	Hill City	112,757	101,427	91,325	82,179	73,988
GH	Morland	20,762	18,930	17,273	15,790	14,394
GL	Horace	10,841	11,503	12,226	12,888	13,611
GL	Tribune	81,329	77,295	73,356	69,322	65,288
GO	Gove City	7,303	6,962	6,689	6,348	6,006
GO	Grainfield	33,025	32,361	31,697	31,032	30,368
GO	Grinnell	30,628	29,719	28,720	27,720	26,811

TABLE 6
PROJECTED WATER DEMAND IN THOUSANDS OF GALLONS
BY COUNTY BY PUBLIC WATER SUPPLIER BY SELECTED YEAR
2000, 2010, 2020, 2030 and 2040

County ID	Name of Public Water Supplier	Year				
		2000	2010	2020	2030	2040
GO	Park	9,272	9,082	8,955	8,764	8,637
GO	Quinter	84,488	88,177	91,951	95,725	99,413
GT	Ulysses	529,595	603,651	677,791	751,931	826,071
GW	Eureka	125,875	115,527	105,179	94,831	84,484
GW	Fall River	3,980	4,014	4,083	4,117	4,152
GW	Greenwood RWD #01	36,314	38,692	41,038	43,349	45,726
GW	Greenwood RWD #02	30,972	36,508	42,045	47,582	53,146
GW	Greenwood RWD #03	8,710	11,104	13,528	15,953	18,377
GW	Hamilton	9,283	9,520	9,786	10,023	10,289
GW	Madison	45,771	46,156	46,494	46,879	47,265
GW	Severy	18,409	19,473	20,577	21,681	22,745
GW	Virgil	2,729	2,534	2,306	2,079	1,884
GY	Cimarron	161,048	175,226	189,313	203,492	217,670
GY	Copeland	53,924	57,886	61,849	65,639	69,601
GY	Ensign	21,865	21,751	21,637	21,523	21,409
GY	Ingalls	25,295	26,098	26,901	27,704	28,507
GY	Montezuma	79,738	94,834	109,931	125,027	140,124
HG	Hanston	18,489	17,285	16,080	14,876	13,671
HG	Jetmore	66,046	67,461	68,801	70,141	71,482
HM	Coolidge	9,290	8,738	8,094	7,450	6,899
HM	Hamilton RWD #01	3,300	3,574	3,851	4,091	4,333
HM	Syracuse	175,361	180,247	185,027	189,806	194,692
HP	Anthony	187,164	177,383	167,603	157,748	147,968
HP	Attica	46,777	42,128	37,915	34,138	30,725
HP	Bluff City	3,080	3,080	3,080	3,080	3,080
HP	Harper	112,826	110,641	108,525	106,410	104,294
HP	Harper RWD #01	5,624	5,507	5,272	5,155	5,038
HP	Harper RWD #02	23,897	23,897	23,897	23,897	23,897
HP	Harper RWD #03	1,530	1,530	1,530	1,530	1,530
HP	Harper RWD #04	11,402	11,028	10,653	10,242	9,868
HP	Harper RWD #05	14,540	14,899	15,193	15,545	15,838
HS	Satanta	120,912	135,614	150,315	165,117	179,818
HS	Sublette	146,140	155,373	164,606	173,839	183,072
HV	Burrton	36,330	37,258	38,187	39,154	40,083
HV	Halstead	113,552	116,453	119,355	122,257	125,213
HV	Harvey RWD #01	96,392	123,447	150,465	177,487	204,582
HV	Harvey RWD #02	1,505	2,006	2,508	3,009	3,511
HV	Hesston	247,817	293,869	339,988	386,040	432,092
HV	Newton	746,234	786,512	826,749	866,986	907,264
HV	North Newton	59,240	71,796	84,352	96,944	109,500
HV	Sedgwick	60,789	62,587	64,468	66,308	68,106
HV	Walton	9,233	9,301	9,369	9,437	9,505
JA	Circleville	4,409	4,409	4,351	4,351	4,292

TABLE 5
 POPULATION ESTIMATES & PROJECTIONS FOR CITIES BY COUNTY BY SELECTED YEAR
 1990, 2000, 2010, 2020, 2030 and 2040
 KS DEPT OF AGRICULTURE

County ID	Name of City	Year					
		1990	2000	2010	2020	2030	2040
FR	Ottawa	10,667	12,421	14,241	16,061	17,881	19,701
FR	Pomona	835	894	956	1,018	1,080	1,142
FR	Princeton	275	308	341	374	407	440
FR	Rantoul	200	227	257	288	318	348
FR	Richmond	528	547	567	587	607	627
FR	Wellsville	1,563	1,669	1,796	1,923	2,050	2,177
FR	Williamsburg	261	278	285	292	300	307
	Balance of County	7,418	8,325	9,237	10,147	11,057	11,968
	Total	21,994	24,933	27,968	31,003	34,038	37,073
GE	Grandview Plaza	1,233	1,281	1,323	1,364	1,406	1,447
GE	Junction City	20,642	21,711	22,493	23,276	24,059	24,841
GE	Milford	579	538	523	508	493	478
	Balance of County	8,194	7,910	7,954	7,998	8,041	8,086
	Total	30,648	31,440	32,293	33,146	33,999	34,852
GH	Bogue	182	180	182	183	184	185
GH	Hill City	1,835	1,652	1,486	1,338	1,204	1,084
GH	Morland	234	211	190	171	154	138
	Balance of County	1,292	1,163	1,047	942	848	763
	Total	3,543	3,206	2,905	2,634	2,390	2,170
GL	Horace	168	180	191	203	214	226
GL	Tribune	918	867	824	782	739	696
	Balance of County	688	721	772	820	870	920
	Total	1,774	1,768	1,787	1,805	1,823	1,842
GO	Gove City	103	98	93	89	84	79
GO	Grainfield	357	348	341	334	327	320
GO	Grinnell	348	337	327	316	305	295
GO	Park	150	146	143	141	138	136
GO	Quinter	945	985	1,028	1,072	1,116	1,159
	Balance of County	1,328	1,195	1,076	968	871	784
	Total	3,231	3,109	3,008	2,920	2,841	2,773
GT	Ulysses	5,474	6,336	7,222	8,109	8,996	9,883
	Balance of County	1,685	1,663	1,497	1,347	1,212	1,091
	Total	7,159	7,999	8,719	9,456	10,208	10,974
GW	Climax	57	57	51	46	42	37
GW	Eureka	2,974	2,737	2,512	2,287	2,062	1,837
GW	Fall River	113	116	117	119	120	121
GW	Hamilton	301	314	322	331	339	348
GW	Madison	845	864	872	879	887	895

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WATER RESOURCES DEPT OF AGRICULTURE

Table 3: Gallons per capita per day by public water supplier – continued

Public Water Supplier	DWR ID	EPA Water System Number	GPCD Region ¹	Source water RPA	Gallons per capita-day					Average (2013 – 17)	In Regional Average
					2013	2014	2015	2016	2017		
Parsons	13488	KS2009914	8L	Ne	134	153	128	119	107	128	Y
Pawnee Rock	31008	KS2000916	6S	Gb	110	72	62	64	66 ²	75	Y
Paxico	13551	KS2019705	7S	Ks	68	66	65	66	72	68	Y
Peabody	13561	KS2011509	7M	Ne	138	91	104	90	79	100	Y
Perry	20928	KS2008720	8M	Ks	81	66	66	72	64	70	Y
Peru	13688	KS2001906	7S	Ve	60 ²	62	54	69 ²	58 ²	60	Y
Phillips Co. RWD #01	15236	KS2014709	5	Sr	133	149 ²	173 ²	162 ²	129	149	Y
Phillipsburg	13808	KS2014706	5	Sr	141	147	177	160	154	156	Y
Pittsburg	13876	KS2003705	8L	Ne	102	100	98	100	96	99	Y
Plains	19243	KS2011903	3	Ci	250	241	214	209	226 ²	228	Y
Plainville	13883	KS2016301	5	Ss	118	110	126	147 ²	114 ²	123	Y
Pleasanton	13889	KS2010704	8M	Mc	114	104	79	80	79	91	Y
Pomona	13946	KS2005907	8M	Mc	77	62	72	83	71	73	Y
Portis	13980	KS2014104	6S	Sr	92	106 ²	124 ²	100 ²	111 ²	106	Y
Pottawatomie Co. RWD #01	15237	KS2014912	7M	Ks	107	97	86	91	95	95	Y
Pottawatomie Co. RWD #02	21005	KS2014906	7M	Ks	113	81	80	85	88	89	Y
Pottawatomie Co. RWD #03	34075	KS2014904	7M	Ks	103	91	77	84	86	88	Y
Pottawatomie Co. RWD #04	50614	KS2014922	7M	Ks	110	115 ²	109 ²	98	102	107	Y
Potwin	14009	KS2001518	7S	Ew	61	54	63	70	49	59	Y
Prairie View	14043	KS2014704	5	Sr	143	198	153	128	120	148	Y
Pratt	14050	KS2015103	6ML	Gb	186	220	228	217	232	217	Y
Prescott	22619	KS2010705	8S	Mc	71	63	65	na	56	64	Y
Preston	14074	KS2015102	6S	Gb	74	83	77	64	67	73	Y
Pretty Prairie	14078	KS2015501	6ML	Ew	92	96	97	90	85	92	Y
Princeton	14125	KS2005912	8S	Mc	77	84	82	78	77	80	Y
Protection	14152	KS2003302	5	Rh	176	164	187	165	184	175	Y
Quenemo	14200	KS2013913	7S	Mc	na	57	55	52	47	53	Y
Quinter	14220	KS2006305	3	Ur	198	183	192	156	147	175	Y
Randall	14294	KS2008901	6S	Sr	160 ²	141 ²	144 ²	97 ²	77 ²	124	Y
Randolph	14309	KS2016126	7S	Ks	93	76	81	78	81	82	Y
Ransom	14322	KS2013501	4	Ss	114	99	119	92	83	102	Y
Rantoul	14323	KS2005902	8S	Mc	52	57	66	53	60	58	Y
Raymond	14383	KS2015901	6S	Gb	115 ²	134 ²	120 ²	113 ²	139 ²	124	Y
Reading	14386	KS2011114	7S	Mc	na	56 ²	54 ²	na	na	55	Y

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AP History Report
City of Quinter (QUINTR)

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KS DEPT OF AGRICULTURE

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AP Code / Vendor		Product Type				Disc/Ded Amount	Original Amount	
Type / Invoice # / Description	Tran Date	GL Date	Dsc Date	Due Date				
APMA / KDOA-CEDWS / Kansas Department Of Agriculture								
Invoice - KDOA-17990 /								
	06/26/2023	06/26/2023	06/26/2023	06/26/2023		\$0.00	\$700.00	
Line	Type	Dis	Stock/Desc/Cost Code	GL Expense Acct / Job - Phase	Exp Date	Quantity	Unit Cost	Ext. Cost
1	Dir Exp		dwr 1-120 application	6100004170	06/26/2023	1.0000	700.0000	700.00
Totals For Vendor								
APMA / KDOA-CEDWS / Kansas Department Of Agriculture						Net Adjustment		\$700.00
						Invoice		\$700.00