# **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.



#### KANSAS DEPARTMENT OF AGRICULTURE

Jackie McClaskey, Secretary of Agriculture

#### **DIVISION OF WATER RESOURCES**

David W. Barfield, Chief Engineer

File Number 49877
This item to be completed by the Division of Water Resources.

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,

KS DEPT OF AGRICULTURE

JUL 2 1 2017

1320 Research Park Drive, Manhattan, Kansas 66502: Name of Applicant (Please Print): City of Mulvane, Kansas Address: 211 N. 2nd Avenue City: Mulvane State Kansas Zip Code 67110 Telephone Number: (316) 777-1143 2. The source of water is: ☐ surface water in (stream) groundwater in Arkansas River Basin - Arkansas River Alluvial Aquifer OR (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. The maximum quantity of water desired is \_\_\_\_\_\_ acre-feet OR \_\_\_\_205\_430 Million \_\_\_\_ gallons per calendar year, 3. to be diverted at a maximum rate of \_\_\_\_\_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. 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 (i) Dewatering (k) ☐ Hydraulic Dredging (I) 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.

DWR 1-100 (Revised 06/16/2014)

Meets K.A.R. 5-3-1 (YES) NO) Use MUN Fee \$ \( \mathred{U} \) TR #

For Office Use Only:

7/28/17 DW

Check #

Source G S County &

\_\_\_\_ Receipt Date

By Atw Date 7/2//

File No.	 	 	

Э.	The location of the proposed wells, pump sites of other works for diversion of water is.
	<b>Note:</b> For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.
	(A) One in the SW quarter of the SW quarter of the SW quarter of Section 36, more particularly
	described as being near a point 110 feet North and 4660 feet West of the Southeast corner of said
	section, in Township 29 South, Range 1E East/West (circle one), Sedgwick County, Kansas.
	(B) One in the quarter of the quarter of the quarter of Section, more particularly
	<ul> <li>described as being near a point feet North and feet West of the Southeast corner of said</li> </ul>
	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
6.	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.  The owner of the point of diversion, if other than the applicant is (please print):
	To a state of the last to the state of the s
	(name, address and telephone number)
	(name, address and telephone number)
	You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:
	I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.  Executed on
	The applicant must provide the required information or signature irrespective of whether they are the landowner.
	Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.
7.	The proposed project for diversion of water will consist of One well - Existing City of Mulvane Well No. 4  (number of wells, pumps or dams, etc.)
	and (was)(will be) completed (by) (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 July 1, 2017 (Mo/Day/Year)

9.	Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?  ☐ Yes ■ No If "yes", a check valve shall be required.
	All chemigation safety requirements must be met including a chemigation permit and reporting requirements.
10.	If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.
	Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? ☐ Yes ☐ No
	If yes, show the Water Structures permit number here
	If no, explain here why a Water Structures permit is not required
11.	The application <u>must</u> 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.  Overlap in point of diversion and place of use with Water Right No. 31869 - City of Mulvane Well No. 4
	This application will be offset by the quantity and rate held by Water Right Nos. 2724, 31869, and SU002
	Water Right Nos. 2724 and SU002 to be placed into inactive status with priority and standing preserved
	An additional offset application will be filed at the location of City of Mulvane Well No. 5, such that
	pumping from Mulvane City Wells No. 4 and 5 will not exceed 205.430 MGY (sum of SU002, 02424, and 31869)  RECEIVED

JUL 2 1 2017

13.	Furnish the following well inthese not been completed, given					oundwater. If the well
	Information below is from:	☐ Test holes	□ Well	as completed	Drillers	log attached
	Well location as shown in pa	aragraph No.	(A)	(B)	(C)	(D)
	Date Drilled	_				
	Total depth of well					
	Depth to water bearing form	nation				
	Depth to static water level					
	Depth to bottom of pump in	take pipe				
14.	The relationship of the a  Owner  (owner, tenant, agent or otherwise)	se)				
15.	The owner(s) of the propert	y where the wate	r is used, if	other than the	applicant, is ( <sub>l</sub>	olease print):
		(name, addr	ess and tel	ephone numbe	r)	· · · · · · · · · · · · · · · · · · ·
		(name, addr	ess and tel	ephone numbe	r)	
16.	The undersigned states that this application is submitted		set forth abo	ve is true to the	best of his/he	er knowledge and that
	Dated at 17 July (ity of Mu	1788 , Kansas Ivano	s, this <u>17</u>	day of	(month)	, 2017 (year)
	(Applicant Signatu	ire)				
<u>B</u> )	(Agent or Officer Sign	nature)				
_	(Agent or Officer - Plea	se Print)				
Assiste	ed by				Date: _	

(office/title)

File No.

Applicant's Name	City of Mulvane
.,	(Please Print)

## MUNICIPAL (PUBLIC WATER SUPPLY) APPLICATION SUPPLEMENTAL INFORMATION SHEET

A	pplication File Number	er
	(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	Column 2	Column 3	Column 4 Water Sold to Your	Column 5 Water Sold to Your	Calumn 6	Column 7
Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Industrial, Stock, and Bulk Customers	Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Below Explanation)
8,735,000 gal	179,991,000 gal	None	N/A	N/A	N/A	N/A
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:

Percent Unaccounted =

<u>Unaccounted For Water</u> x 100

For Wate

Total Water (Columns 1,2)

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

#### SECTION 22 PAST WATER USE

COMPLETE THE FOLLOWING TABLE FROM YOUR PAST WATER USE RECORDS.

	TOTAL WATER	Columns 1 + 2	A	CCOUNTED FOR WATER	= Columns 3 + 4 + 5 + 6		UNACCOUNTED FOR WATER
5 years ago		176,000,000 gai	None	N/A	N/A	N/A	N/A
10 years ago <sup>33</sup>		176,000,000 gai	None	N/A	N/A	N/A	N/A
15 years ago		189,000,000 gai	None	N/A	N/A	N/A	N/A
20 grans ago.		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
RESON DEIVE	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)
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7

#### SECTION 3: PROJECTED FUTURE WATER NEEDS

Year 20

ļ.	LEASE COMPLETE THE	FOLLOWING TABLE	E SHOWING TOOK FUTUR	E WATER REQUIREMEN	15 FOR THE NEXT 20 TEAD	<del>3</del> 5:	
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
				Water Sold to Your	Water Sold to Your		
	Raw Water Diverted	Water Purchased	Water Sold to Other	Industrial, Stock, and	Residential and	Other	Remaining Water Used
	Under Your Rights	From All Sources	Public Water Suppliers	Bulk Customers	Commercial Customers	Metered Water	(See Explanation on other side)
Year 5							
Year 10							
Year 15							

ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6

Offset Water Right Application, there will be no new net quantity or appropriations for the City as part of this application 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)

TOTAL WATER = Columns 1 + 2

LAST 20 YEARS	POPULATION
20 years ago	5,132
15 years ago	5,208
10 years ago	5,782
5 years ago	6,138
Last Year	6,316

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

### PROJECTED FUTURE POPULATION ESTIMATE FUTURE POPULATION AND SUBSTANTIATE NUMBERS ON SEPARATE ATTACHMENTS

UNACCOUNTED FOR WATER

NEXT 20 YEARS	POPULATION
Year 5	6,800
Year 10	7,440
Year 15	8,015
Year 20	8,634

ride number of current active :	service (	connections:			
Resid	dential		Industrial		Other (specify)
	mercial		Pasture/ Stockwater/ Feedlot		Total .
TION 5: PRESENT GALLONS CALCULATE YOL		RSON PER DAY ONS PER PERSON PER	DAY		
			s/Year = Gallons per Person p	er Day	
188,726,000	÷	6,316	÷ 365 Days/Year =	82	GALLONS PER PERSON PER DAY.
Amount of water in Columns 5, 6, and 7 of Section 1	_	Population from Last Year of Section 4			
J. 3000011 1					
TION 6: AREA TO BE SERVE	D				

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

# Jo BUS 189.

WATER WELL RECORD KSA 82a-1201-1215 Kansas Department of Health ond Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

<del></del>	7 =			Τ.		<del></del>	peka, Kunsa		
1. Location of well:	County Fraction		Section number			Township number Range number			
	SEAGWICK	SW 1/4 SW 1/45'U	<b>J</b> 1/4	30	6	1 29			EAT
2. Distance and direction from nearest town or city:  Mile WEST of Mulvane  Street address of well location if in city:			1	ner af well	:	City of Mulvane			
Street address of well location if in city:				r street:		Mulvane, Kansas 67110			
4 1 - 4- 14E 11VII		St. val. — -	City, s	tate, zip c	ode:	6. Bore hole dia. 38	- Complet		
4. Lacate with "X"	N	Sketch map:				Well depth 53 ft.	n. Complet	15/8	0
						7 Cable tool Rotary Driven Dug			
NW	NE					Hallow rod Jette	<u> Воге</u>	d X Reven	rse rotary
* w	L L	Well No. 4				8. Use: Domestic			
						Lawn			
sw	SE					9. Casing: Material Ste			
X '						Threaded Welded			
	S Mile ————————————————————————————————————					RMP PVC Dia.12 in. to 46 ft. do	¦Weight. opth!Wall Th	ickness: inc	hes or
5. Type and color of material				From	То	Dia in. ta ft. de	pth gage N	<u> 330</u>	2
·//				+		10. Screen: Manufacturer's			
Top soil				0	2	Typ S.S. Wire	Wr <sub>Dia.</sub>	12"	
Sandy clay				2	12	Slot/gauze	Length _	10	
Bandy Clay						Set betweenft.	ft. and and	ردو	ft.
Fine san	ıd			12	20			erial <i>186</i>	1/2
Med. sand & gravel				20	53	11. Static water level: mo./dgy/yr. Bft. below land surface Date 44/5/80			
Blue clay & shale				53	55	12. Pumping level below Ja	nd surfaces:		
	4	1				# ft. after #	hrs. pumpir		
						Estimated maximum yield —			g.p.m. _g.p.m.
						13. Water sample submitted	:		/day/yr.
						Yes X No	Date		
				+ - +		14. Well head completion: Pitless adapter	36_ Inc	ches above o	arode
						15. Well grouted? Ges			
						With: Neat cement _	🗶 Bentoni	te <u>X</u> (	Concrete
					$\neg \neg$	Depth: From ft. to			
				<del>  </del>		16. Nearest source of possibility of the source of possibility of the source of the so	North	Type #	ou se
						Well disinfected upon comp			No
						17. Pump: Manufacturer's name	_X Not	t installed	,
				┼┤		Model number	НР	Vol	rs
						Length of drop pipe	ft. capa	icity	g.p.m.
					)	Type: Submersible	_	Turbine	
				1		Jet	_	Recipro	cating
	T	I sheet if needed)				Centrifugal		Other	<sup>8</sup>
18. Elevation:	19. Remarks:	•				20. Water well contractor's This well was drilled under			report
						is true to the best of my kno	wledge and	belief.	
Topography:						Layne Weste	rn Co		LO2
Hill Slope						Business name Wichit Address	a Ka	nsas	
Upland				*		Signed	trace	Date A	4/14/80
Valley						- WATER	Presentative RESOU ECEIVED	<del>  (                                    </del>	+

Forward the white, blue and pink copies to the Department of Health and Environment

JUL 2 1 2017



July 11, 2017

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

KS DEPT OF AGRICULTURE

105 I 2 JUL

NATER RESOURCES

Re: City of Mulvane Offset Water Right Applications – Municipal Wells 4 & 5

Dear Mr. Barfield:

The City of Mulvane (City) currently has three wells on the east side of the Arkansas River (Wells 1 through 3 authorized by Water Right Nos 02724 and SU002) and two wells located on the west side of the Arkansas River (Wells 4 and 5 authorized by Water Right No. 41869) directly west of the City. When combined the City has water rights for these wells of 205 Million Gallons per Year. The recent drought and growing municipal demand from domestic, industrial, and commercial users has initiated a supplemental review of existing water resources and infrastructure to ensure systems and water rights are prepared to meet future requirements.

A review of the existing municipal wells and raw water collection system indicates that the Wells east of the Arkansas River (Wells 1 through 3) would require replacement or rehabilitation to renew their value to the City. In addition, the quality of water produced from Wells 1 through 3 requires advanced treatment, such that a raw water line would need to be extended underneath the Arkansas River to reach the recently constructed Reverse Osmosis Water Treatment Plant (ROWTP). During meetings with the Division of Water Resources (DWR) to discuss alternatives and options to redevelopment of Wells 1 through 3, it was identified that Wells 4 and 5 could potentially be utilized to withdrawal the full 205MGY of existing water rights through filing of a new offset water rights application.

The enclosed offset water rights applications have been filed at the locations of existing City Wells 4 and 5 and are anticipated to have the following conditions:

- The maximum requested quantity of 205.430 MGY can be pumped out of either Well No. 4 or Well No. 5 however combined pumping from Wells 4 and 5 will not exceed 205.430 MGY.
- The quantity of water requested will be offset by not utilizing existing City Wells 1 through 3 authorized by Water Right Nos. 02724 and Sumner County Vested Right Number 2.
- Wells 1 through 3 authorized by Water Right Nos. 02724 and Sumner County Vested Right Number 2 will remain active water rights and in good standing with DWR.



David Barfield Kansas Department of Agriculture, July 11, 2017 Page 2

#### **Aquifer Pump Testing**

DWR has indicated that supplemental information regarding the aquifer in the area would be useful for examining any expected impacts from long term operation of City Wells 4 and 5. On February 3<sup>rd</sup> 2015 the City initiated a pump test on City Well No. 5 to obtain information on long term projected drawdown and to calculate local aquifer parameters:

- City Well No. 5 was pumped at a constant rate of 500gpm for 25 Hours and was then allowed to fully recover for 26 hours.
- City Well No. 4 is located approximately 500 feet east of Well No. 5 was not pumped during the test to serve as an observation well.
- Depth to water was recorded at both City Well Nos. 4 and 5 during pumping and recovery.
- City Well No. 5 experienced a maximum drawdown value of only five (5) feet exhibiting a very high specific capacity of 100gpm/ft.
- City Well No. 5 reached stabilization within the first 12 hours of operation.
- City Well No. 5 exhibited an unconfined aquifer response to pumping.
- City Well No. 5 recovered to pre-pump test water levels at the end of the recovery period at a depth to water of 15.60 feet.
- City Well No. 4 experienced a maximum drawdown value of only 0.2 feet.
- City Well No. 4 recovered to pre-pump test water levels at the end of the recovery period at a depth to water of 16.0 feet.

Further analysis was completed on the pump test data and on water well completion logs in the area to provide an enhanced estimate of aquifer parameters:

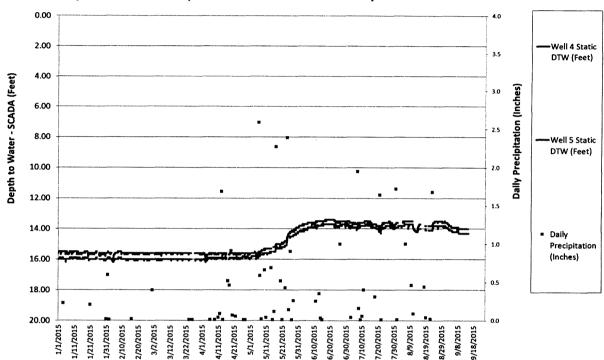
- The aquifer exhibits an approximate saturated thickness of 40 feet (depth to water of 15 feet below ground surface, and 55 feet below ground surface to underlying shale bedrock)
- The hydraulic conductivity (K) of the aguifer is 1,000 to 1,500 feet per day
- The calculated transmissivity (T) of the aguifer is between 40,000 to 60,000 ft<sup>2</sup>/day
- The specific yield of the aquifer (Sy) is 0.14 to 0.20 consistent with the drillers logs of medium to coarse sands and gravels

Utilizing the lowest estimated aquifer parameters (K=1,000 ft/day and Sy=0.14) drawdown can be projected at various distances utilizing a full rate and quantity scenario under the proposed applications (205.430MG or 630.44AF). Based on 285 days of operation at a constant rate of 500gpm the following table estimates the maximum drawdown expected at various distances:



David Barfield Kansas Department of Agriculture, July 11, 2017 Page 4

City Well Nos. 4 & 5- Depth to Water vs River Flow & Precipitation



We would be happy to work with your staff to develop any additional information that would assist in processing the enclosed applications, please feel free to contact our office should you have any questions.

Sincerely,

Daniel Clement

Staff Hydrogeologist

DWC/dwc

KS DEPT OF AGRICULTURE

105 I 2 JUL

WATER PESCHALD
WEDGENALD

Enclosures



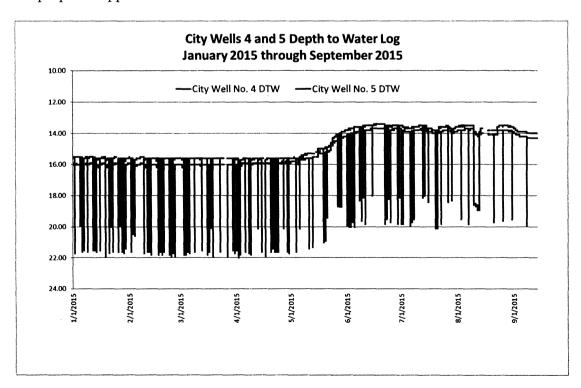
David Barfield Kansas Department of Agriculture, July 11, 2017 Page 3

Distance (ft)	Drawdown (ft)				
100	1.8				
500	1.2				
1000	0.97				
1320	0.90				
2640	0.60				
3960	< 0.50				

Based on the results of the pump test analysis the expected impacts to the aquifer and surrounding water rights from long term operation of City Wells 4 and 5 will be minimal. Any potential impact to the immediate surrounding aquifer will be further mitigated by the anticipated intermittent operation of both City Wells 4 and 5.

#### **Groundwater Level Monitoring**

The City maintains logs of depth to water in existing City Wells 4 and 5 utilizing the SCADA system integrated within the recently constructed ROWTP. Well operations and depth to water logs for 2015 have been included below as graphs to illustrate the consistency of the pump test results, the high rechargeability of the aquifer, and the negligible impact to surrounding wells from the proposed applications.



1320 Research Park Drive Manhattan, Kansas 66502



Phone: (785) 564-6700 Fax: (785) 564-6777 Email: ksag@kda.ks.gov

www.agriculture.ks.gov Sam Brownback, Governor

Jackie McClaskey, Secretary

July 25, 2017

CITY OF MULVANE 211 N 2ND AVE MULVANE KS 67110

FILE COPY

RE: Application File No. 49877

Dear Sir or Madam:

Your application for permit to appropriate water in 36-20S-1E in Sedgwick 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

New Applications Unit Supervisor Water Appropriation Program

ristenaBaum

BAT: dlw

pc: STAFFORD Field Office

**GMD** 

