

JUN 0 5 2023 1301 KS DEPT OF AGRICULTURE

KANSAS DEPARTMENT OF AGRICULTURE Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES Earl D. Lewis Jr., Chief Engineer

File Number 51048
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, Kansas 66502:

1.	Name of Applicant (Please P		Mannattan, Kansas 66502.	•
	Address: 2118 E. Longvie			
			State KS Z	ip Code <u>67501</u>
	Telephone Number: (620) 669-0032		
2.	The source of water is:	☐ surface water in	(stream)	
	OR		(stream) <u>nsas River Basin - Equus Bec</u> (drainage ba	ds Aquifer
	when water is released fron	n storage for use by water date we receive your app	vs established by law or may lassurance district members. lication, you will be sent the a	If your application is subject
3.	The maximum quantity of v	vater desired is 134.4	acre-feet OR	gallons per calendar year,
	to be diverted at a maximum	m rate of <u>800</u> ga	allons per minute OR	cubic feet per second.
	requested quantity of water	er under that priority nur f diversion and maximum	the requested maximum rate mber can <u>NOT</u> be increased quantity of water are appropri sion of Water Resources' requ	d. Please be certain your ate and reasonable for your
4.	The water is intended to be	appropriated for (Check u	se 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	(I) ☐ Fire Protection
	(m) ☐ Thermal Exchange	(n) ☐ Contamination R	emediation	
	YOU <u>MUST</u> COMPLETE AND AT SUBSTANTIATE YOUR REQUES	TACH ADDITIONAL DIVISION ST FOR THE AMOUNT OF WA	OF WATER RESOURCES FORM(S TER FOR THE INTENDED USE REF) PROVIDING INFORMATION TO FERENCED ABOVE.
F.O. 2	ice Use Only:GMD_2Meets K.A.R. 5	-3-1 (YES NO) Use IRR Fee \$	Source G/S County RI Receipt Date 4/5	N By <u>ALB</u> Date <u>6/6/23</u> /23 Check # <u>25/1</u>

Revised Version

File No.	JUN	0	5	2023
1 11C 14O.			_	

WATER RESOURCES RECEIVED

5.	The	location of the proposed wells, pump sites or other works for diversion of water is: KS DEPT OF AGRICULTURE
	Note	e: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, upless 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.
38639733phic	(A)	One in the SE quarter of the NE quarter of Section 20 , more particularly
BMMCenter er		described as being near a point 103310 feet North ant 11660 feet West of the Southeast corner of said
Battery of We		section, in Township 24 South, Range 5W East/West (circle one), Reno County, Kansas.
	(B)	One in the <u>SW</u> quarter of the <u>NE</u> quarter of the <u>NE</u> quarter of Section <u>20</u> , more particularly
		described as being near a point $4,010$ feet North and $1,260$ feet West of the Southeast corner of said
		section, in Township 24 South, Range 5 East/West (circle one), Reno County, Kansas.
	(C)	One in the NW quarter of the SE quarter of the NE quarter of Section 20 , more particularly
		described as being near a point 3.810 feet North and 1.260 feet West of the Southeast corner of said
		section, in Township 24 South, Range 5 East/West (circle one), Reno 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.
	than pum	attery of wells is defined as two or more wells connected to a common pump by a manifold; or not more four wells in the same local source of supply within a 300 foot radius circle which are being operated by ups not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a mon distribution system.
6.		owner of the point of diversion, if other than the applicant is (please print): SEP 2 3 2024 y J. & Wilma F. Keim, 2118 E. Longview Rd., Hutchinson, KS 67501 (620) 669-0032
		(name, address and telephone number) Stafford Field Office Division of Water Resources
		(name, address and telephone number)
	land	must provide evidence of legal access to, or control of, the point of diversion from the landowner or the lowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other ument 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
	land	applicant must provide the required information or signature irrespective of whether they are the downer. Failure to complete this portion of the application will cause it to be unacceptable for filing and the lication will be returned to the applicant.
7.	The	proposed project for diversion of water will consist of ene-well Battery of 2 wells
		(number of wells, pumps or dams, etc.) (was)(will be) completed (by) 5/1/2024
8.	The	(Month/Day/Year - each was or will be completed) first actual application of water for the proposed beneficial use was or is estimated to be 6/1/2024
0.	(Mo/l	Day/Year) 9/23/2024 EKF/DWR

WATER RESOURCES RECEIVED

See Revised Version Received 9/23/2024

5.	The	location of the proposed wells, pump sites or other works for diversion of water is: KS DEPT OF AGRICULTURE
	Note	e: 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 NW quarter of the SE quarter of the NE quarter of Section 20 , more particularly
		described as being near a point 3910 feet North and 1260 feet West of the Southeast corner of said
		section, in Township 24 South, Range 5W East/West (circle one), Reno 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)	
	(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.
	wells	e source of supply is groundwater, a separate application shall be filed for each proposed well or battery of s, except that a single application may include up to four wells within a circle with a quarter (¼) mile radius e same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per
	than pum	attery of wells is defined as two or more wells connected to a common pump by a manifold; or not more four wells in the same local source of supply within a 300 foot radius circle which are being operated by ps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a mon distribution system.
ŝ.	The	owner of the point of diversion, if other than the applicant is (please print):
	Lero	y J. & Wilma F. Keim, 2118 E. Longview Rd., Hutchinson, KS 67501 (620) 669-0032
		(name, address and telephone number)
		(name, address and telephone number)
	land	must provide evidence of legal access to, or control of, the point of diversion from the landowner or the owner's authorized representative. Provide a copy of a recorded deed, lease, easement or other ument 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-/ , 2023. Applicant's Signature
	land	applicant must provide the required information or signature irrespective of whether they are the owner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the ication will be returned to the applicant.
7.	The	proposed project for diversion of water will consist of one well
		(number of wells, pumps or dams, etc.) (was)(will be) completed (by) 5/1/2024
0		(Month/Day/Year - each was or will be completed)
٥.	(Mo/E	first actual application of water for the proposed beneficial use was or is estimated to be 6/1/2024

	KS DEPT OF AGRICULTURE
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 NA
	If no, explain here why a Water Structures permit is not required NA
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. None



File No. JUN 0 5 2023

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 a	s completed	☐ Drillers	log attached				
	Well location as shown in p	paragraph	(A)	(B)	(C)	Applicant requests a 60-operiod to conduct test drilling and submit the log				
	Date Drilled									
	Total depth of well									
	Depth to water bearing for	mation								
	Depth to static water level									
	Depth to bottom of pump in	ntake pipe								
14.	The relationship of the applowner		osed place wi	here the water	will be used	is that of				
	(owner, tenant, agent or otherwis	se)								
15.	The owner(s) of the property where the water is used, if other than the applicant, is (please print): Leroy J. & Wilma F. Keim, 2118 E. Longview Rd., Hutchinson, KS 67501 (620) 669-0032 (name, address and telephone number)									
		(name, addr	ress and telep	ohone 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 <u>Halstead</u>	, Kansas	s, this _	day of	(month)	,2023 (year)				
	May 1	l'ar								
	(Applicant Signatu	re)								
Ву	,									
	(Agent or Officer Sign	ature)	_							
_	(Agent or Officer - Pleas	se Print)	_							
Assiste	d by B. Barton			drogeologi	stDate:_6	6/1/2023				

JUN 0 5 2023

FEE SCHEDULE

KS DEPT OF AGRICULTURE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE	
0-250	\$200.00	
More than 250	\$200.00	plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

JUN 0 5 2023

IRRIGATION USE SUPPLEMENTAL SHEET

KS DEPT OF AGRICULTURE

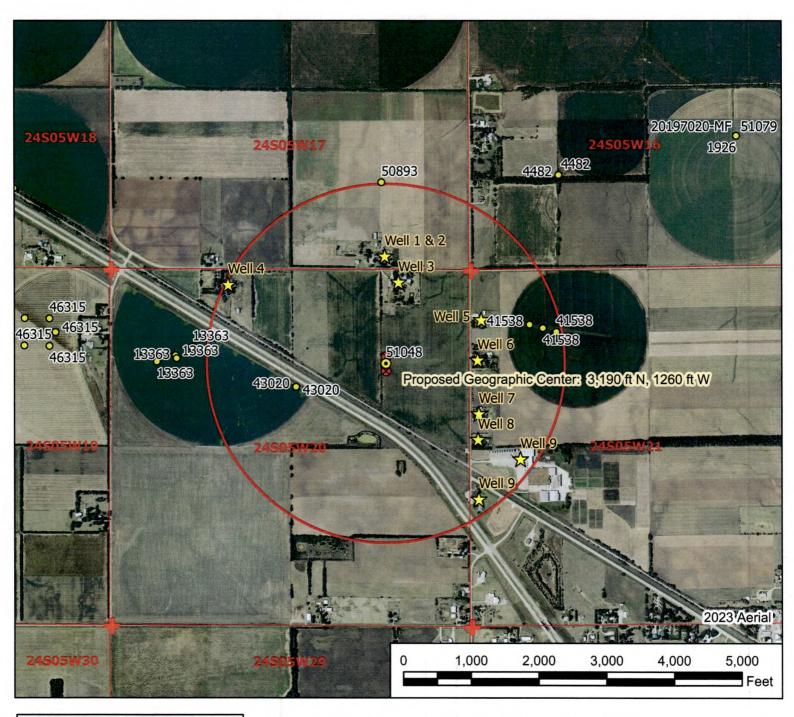
							Fil	le No.											
			Nam	e of A	Appli	cant (Pleas	e Prin	t): <u>L</u>	eroy J	. Kei	n							
1. P d	lease esigna	supplate the	ly the e actu	name al nur	e and	addr of acı	ess of	f each be irr	land	owne I in ea	r, the ach fo	legal rty ac	descr re trac	ription et or f	n of t	he lai onal p	nds to ortion	be in there	rigated, and of:
Land	owne	r of F	Recor																
				ADL)KES	S: <u>21</u>	18 E.	Long	view	Ka., I	Hutch	inson.	, K5 c	0/301					
S	T	R		NE			_	NW				SW				SE		ar.	TOTAL
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20	24S	5W	32	23	9	32				\dashv				\dashv					96
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Land	lowne	r of I	Recor	d l	NAM	E:													
				ADI	ORES	S:													
	т	D		NE	Ε1/4			NV	N 1/4			SV	V1/4			SI	Ε1/4		TOTAL
S	Т	R	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	TOTAL
																_	_		



2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed supplemental sheets as needed. KS DEPT OF AGRICULTURE Indicate the soils in the field(s) and their intake rates: Soil Percent Intake Irrigation Name of field Rate Design (%)(in/hr) Group Penalosa silt loam 63 0.00 - 0.063 32 7 Avans loam 0.60 - 2.00Farnum & Funmar loams 5 0.20 - 0.605 100 % Total: Estimate the average land slope in the field(s): 3 % Estimate the maximum land slope in the field(s): Type of irrigation system you propose to use (check one): Center pivot Center pivot - LEPA "Big gun" sprinkler Gravity system (furrows) ____ Gravity system (borders) Sideroll sprinkler Other, please describe: Subsurface Drip Irrigation d. System design features: i. Describe how you will control tailwater: Will schedule and apply irrigation to eliminate run-off For sprinkler systems: Not Applicable (1)Estimate the operating pressure at the distribution system: _____ psi (2)What is the sprinkler package design rate? _____ gpm (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? (4) Please include a copy of the sprinkler package design information. e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Wheat, Soybeans, Corn, Cotton Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation). Owner will check soil moisture and crop needs

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

1-1. 9-23-24



Legend Water Appropriation Proposed Point of Diversion Proposed Geographic Center Domestic Well Section Corner Section Line Half Mile Circle Proposed Place of Use

Application, File No. 51048

Revised Application Map 20-24S-5W // Reno County

proposed points of diversion have been shown.

To the best of my knowledge, all groundwater wells within one half mile of the

SEP 2 3 2024

Stafford Field Office Division of Water Resources

2. K. 9-23-24

File No. 51048 New Application Nearby Well Owners-Revised

<u>Domestic Well 1 & 2 and</u>
<u>Pending Application, File No. 50893</u>
LEROY J & WILMA F KEIM -- Applicant
2118 E LONGVIEW DR
HUTCHINSON, KS 67501

<u>Domestic Well 3</u> BARRY L & SARA A ECKHOFF 2213 E LONG VIEW RD HUTCHINSON, KS 67501

Domestic Well 4
CLINT BONTRAGER
1707 E LONGVIEW RD
HUTCHINSON KS 67501

Domestic Well 5 NATHAN YODER 8704 S HALSTEAD ST HUTCHINSON, KS 67501

Domestic Well 6
DENNIS & CAROL HERSHBERGER
8812 S HALSTEAD ST
HUTCHINSON, KS 67501

<u>Domestic Well 7</u> GARY S & BARBARA AN BONTRAGER 9010 S HALSTEAD ST HUTCHINSON, KS 67501

Domestic Well 8 LEONARD STAUFFER 8100 S HALSTEAD ST HUTCHINSON, KS 67501

Domestic Well 9
GERALD L KNEPP
9110 S HALSTEAD ST
HUTCHINSON, KS 67501

Domestic Well 10 KAUFFMAN SEEDS INC 9218 S HALSTEAD ST HUTCHINSON, KS 67501

Domestic Well 11 WAGGONERS INC 9316 S HALSTEAD ST HUTCHINSON, KS 67501

Water Right, File No. 43020 TIMOTHY L REV TRUST SWEIGART 4621 WILDWOOD RD HESSTON, KS 67062

Water Right, File No. 41538
VERNON H & ARLENE K BONTRAGER TR
8705 S SAND CREEK RD
HUTCHINSON KS 67501-8705

RECEIVED

SEP 2 3 2024

Stafford Field Office Division of Water Resources

Application Map - File No. ____



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

Signature	Date
New Application	Water wells within 1/2 mile of proposed point of diversion include: (type use, owner, address)
Application No To Change: Point of Diversion	See attached sheet for details
Place of Use	WATER RESOURCES RECEIVED
Use Made of Water	JUN 0 5 2023
Proposed Point of Diversion Existing Points of Diversion Proposed Place of Use	3) KS DEPT OF AGRICULTURE See 9/23/24 Revised Map for PD Location
Authorized Place of Use	Completed By GMD2 Sta

WATER RESOURCES RECEIVED

Well owners within ½ mile

JUN 0 5 2023

 Irrigation/Recreational Water Right No. 43020 Timothy L. Sweigart Rev. Trust 4621 Wildwood Rd. Hesston, KS 67062

 Irrigation Water Right No. 41538 – Battery of 2 wells Vernon H. & Arlene K. Bontrager Trusts 8705 S. Sand Creek Rd. Hutchinson, KS 67501-8705

- Domestic Well Applicant's Leroy J. & Wilma F. Keim 2118 E. Longview Rd. Hutchinson, KS 67501
- Domestic Well Applicant's Leroy J. & Wilma F. Keim 2118 E. Longview Rd. Hutchinson, KS 67501
- Domestic Well Barry L. & Sara A. Eckoff 2213 E. Longview Rd. Hutchinson, KS 67501
- Domestic Well Clint Bontrager
 1707 E. Longview Rd. Hutchinson, KS 67501
- 7) Domestic Well Nathan Yoder 8704 S. Halstead St. Hutchinson, KS 67501
- Domestic Well Dennis & Carol Hershberger 8812 S. Halstead St. Hutchinson, KS 67501
- Domestic Well Gary S. & Barbara An Bontrager
 9010 S. Halstead St. Hutchinson, KS 67501
- Domestic Well Gerald L. Knepp
 9110 S. Halstead St. Hutchinson, KS 67501-9262
- 11) Domestic Well Waggoners, Inc.9316 S. Halstead St. Hutchinson, KS 67501-9028

KS DEPT OF AGRICULTURE

Kansas Department of Agriculture **Division of Water Resources** Earl D. Lewis, Jr., Chief Engineer 1320 Research Park Drive Manhattan, Kansas 66502

WATER RESOURCES RECEIVED

JUN 0 5 2023

KS DEPT OF AGRICULTURE

	File No				
	Minimum Desirable Streamflow				
I understand that a Minimum Desirable Stre the legislature for the source of supply to which the	amflow requirement has been established by above referenced application applies.				
I understand that diversion of water pursuant to this application will be subject to regulation ny 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 his 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. Signature of Applicant					
State of Kansas) County of ARVEY)	(Print Applicant's Name)				

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this <u>IST</u> day of <u>JUNE</u>, 20<u>23</u>.

Re:

Application

My Commission Expires: 06/21/2026

NOTARY PUBLIC - State of Kansas

REBECCA WILSON

My Appt. Exp. 06/21/2021

WATER RESOURCES RECEIVED

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

JUN 0 5 2023

KS DEPT OF AGRICULTURE

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

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 p	oaragraph	(A)	(B)	(C)	Applicant requests a 60-operiod to conduct test drilling and submit the log		
	Date Drilled		7/24/202	<u> </u>	,			
	Total depth of well		85'					
	Depth to water bearing for	mation	45'					
	Depth to static water level		561			1 23		
	Depth to bottom of pump in	ntake pipe	MA					
14.	The relationship of the appliowner (owner, tenant, agent or otherwise)		osed place wh	ere the water v	vill be used i	s that of		
15.	The owner(s) of the property where the water is used, if other than the applicant, is (please print): Leroy J. & Wilma F. Keim, 2118 E. Longview Rd., Hutchinson, KS 67501 (620) 669-0032 (name, address and telephone number)							
		(name, add	ress and telep	hone number)				
16.	The undersigned states that that this application is subm			ve is true to the	e best of his	her knowledge and		
	Dated at <u>Halstead</u>	, Kansa	s, thisc	lay of	(month)	,2023 . (year)		
	(Applicant Signatu	(re)						
<u>By</u>	(Agent or Officer Sign	ature)						
_	(Agent or Officer - Pleas	se Print)						
Assiste	_{d by} B. Barton			drogeologis	t Date: 6	6/1/2023		

Darling Drilling CompanyTelephone (620) 662-7901 3916 W. 56th Ave. Hutchinson, Ks. 67501

DRILLER'S TEST LOG

Date: 8/1/2023 Name: Leroy Keim

Address: 2118 E. Longview Rd. Hutchinson, KS 67501

County: Reno

Quarter: NE Section: 20 Township: 24S Range: 5W

DRILLED FOOTAGE From To **DESCRIPTION OF STRATA** 0 3 Top soil 3 12 Dark tan clay 12 45 Tan clay 45 52 Tan clay/fine sand 70/30 52 75 Small sand 75 80 Tan clay 80 83 Tan clay/small sand mix 83 85 Red shale Static water level: 56ft Depth of well: 85ft Type & size of casing: 5" 160# Plain: 0 to: 65ft Perf: 65ft to: 85ft Gravel pack intervals: 20ft to: 85ft Grout material: **Contamination:** Direction from well: Casing above surface: Bore hole: 7" Remarks: Est. 175-200GPM