#### Kansas Department of Agriculture Division of Water Resources

# Division of Water Resources PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: <b>50,686</b>	2. Status 0	Change Date:	3. Field Office:	4.	. GMD: <b>0</b>
5. Status: Approved Denied by	/ DWR/GMD		Dismiss by Request/F	ailure to I	Return
6. Enclosures: ⊠ Check Valve ⊠ N of C Form	n 🔲 V	Water Tube	☐ Driller Copy	⊠ M	leter
7a. Applicant(s) Person ID 6 New to system ☐ Add Seq# 1	<u>52981</u>	7c. Landowne New to sy			rson ID <u>63328</u> d Seq#
PRECISION FARMS 2595 GOLDFINCH RD HIAWATHA, KS 66434		G & O I 112 S 7 HIAWA		1	
7b. Landowner(s) Person ID 6 New to system □ Add Seq# _  7a.	52981	7d. Misc. New to sy	stem 🗌		rson ID d Seq#
7 a.					
8. WUR Correspondent Person ID 6 New to system Add Seq# Overlap File (s) WUC Agree Yes No	52981 Form □	9. Use of Wate	er: Changing? ☑ Groundwater ☐ REC	☐ Yes ☐ Surf ☐ DEV	ace Water
7a.		☐ STK ☐ HYD DRG ☐ IND SIC:	SED WTR PWR	□ DON □ ART OTHER: <u>-</u>	RECHRG
10. Completion Date: 12/31/2024 11. Pe	erfection Date	e: <b>12/31/20</b>	<b>)28</b> 12. E	Exp Date:	
13. Conservation Plan Required? ☐ Yes ☒ No Date Ro					
14. Water Level Measuring Device? ☐ Yes ☒ No D	ate to Comp	ly:	Date WLMI	) Installed	d:
12/27/2022 KKopp			Date Littered.	<b>1/10/20</b> 1/3/202 LMoody	By:

File No.	50,68	6		•	15. For	matio	n Cod	e: <b>18</b> 0	)		Drain <b>Rive</b>		asin: \$	SF B	Big No	emah	na (	County	: BR		Sp	ecial U	lse:		Stream:		
16. Poir	nts of Dive	rsion	1														17.	Rate	and Q	uantity	,						
MOD																			Autho	rized				Addition	al		
DEL ENT	PDIV		Qı	ualifie	r	S	Т	F	₹	ID	'N		'W					Rate gpm			antity af		Rate gpm		Quantity af	Ove	rlap PD Files
СНК	89178	3	NE N	w s	SE	2	2S	17	Έ	7	2,3	74	1,396	6 (6	Geo-C	tr)	·	800		1	57		800	)	157	ţ	60509
СНК	89180	)	NE N	IW S	E	2	2S	17	Έ	9	2,6	23 1	,422	(Ba	att 1 d	of 2)											
СНК	89179	)	NE N	W S	SE	2	2S	17	Έ	8	2,1	24	1,37	0 (B	att 1	of 2)											
18. Stora	age: Rate					N	F	Quai	ntity _					ac/ft	_ Δ	dditior	nal Ra	te				NF	- Add	itional Qu	antity		ac/ft
19. Limit	ation:				m	<b>g</b> /yr	at <b>8</b> (	<b>)0</b> g	pm (	1	1.78	rfs) wl	hen co	mbin	ed with	ı file nı	umber	(s) <b>5</b> (	0,509	9							
Limit	tation:				af	/yr at					gpm (				cfs) w	hen co	ombin	ed with	n file n	umber	(s)						
20. Mete	er Require	d? [	⊠ Yes	□ N	No		To I	oe inst	alled I	by		12	2/31/	202	4		D	ate Ac	cepta	ble Me	eter Ins	talled _					
21. Plac	e of Use							NE	1/4			NW	<b>V</b> 1/4			sw	<b>V</b> <sup>1</sup> / <sub>4</sub>			s	E1/4		Total	Owner	Chg?	NO	Overlap Files
MOD DEL	PUSE	c	_	D	ID		NE ¼	NW 1⁄4	SW ¼	SE 1/4	NE 1/4	NW ¼	SW 1/4	SE ¼	NE ¼	NW 1⁄4	SW 1/4	SE ¼	NE ¼	NW 1⁄4	SW 1⁄4	SE 1/4					
CHK :																			40	40			80	7a.	NO		none
CHK :	70674	2	2S	17	E 4																37	40	77	7c.	NO		none
Commer	nts:						<u> </u>				<u> </u>		<u>ı                                      </u>				<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	l	<u>I</u>			

# KANSAS DEPARTMENT OF AGRICULTURE Division of Water Resources

#### <u>M E M O R A N D U M</u>

TO: Files DATE: November 10, 2022

FROM: Lloyd Hemphill RE: Application, File No. 50,686

Precision Farms LLC has filed the referenced application to appropriate 157 acre-feet of groundwater at a rate of diversion of 800 gallons per minute for irrigation use. The proposed point of diversion is a battery of two wells with a geographic center located in the Northeast Quarter of the Northwest Quarter of the Southeast Quarter (NE¼ NW¼ SE¼) of Section 2, in Township 2 South, Range 17 East, Brown County, within the South Fork Big Nemaha River drainage basin. This point of diversion overlaps File No. 50,509 (Industrial Use), filed by Glacial Hills Agri Services, LLC. The application has been signed by a representative of the applicant, stating they have access to the point of diversion. The place of use is 157 acres in the Southeast Quarter of the same section, owned by Precision Farms LLC and G & O, INC, as described on the irrigation supplemental sheet. No other files will overlap this place of use. There will be no limitation of quantity with File No. 50,509 but the rate will be limited to 800 gallons per minute to meet the requirements for a battery of wells.

The requested quantity of water (157 acre-feet), is reasonable to irrigate the proposed 157 acres, based on the reasonable quantity for irrigation in Brown County (157 acres x 1 AF/acre = 157 AF), per K.A.R. 5-3-23. The requested rate is the maximum allowed for a battery of wells and is reasonable for this project.

The applicant identified one domestic well owner within one-half (1/2) mile of the proposed point of diversion, per K.A.R. 5-3-4. Shortly after the overlapping senior application was filed, an additional party (either a representative or customer of Public Wholesale Water Supply District #27) contacted DWR and requested that they be added to the notice list. PWWSD #27 owns wells (File No. 47,392) approximately 3/4 mile west of the proposed point of diversion. Two notification letters were sent, one to the domestic well owner and the other to PWWSD #27 on September 23, 2022. On September 30, 2022 and October 7, 2022 an unknown party posted a public notice regarding the project in the Hiawatha World newspaper. Numerous calls, letters, and e-mails were received with concerns about the project. correspondences and subsequent responses have been documented in the file. Most of these concerned citizens noted the proximity of the proposed wells to the existing public water supply wells. The various concerns generally included over-appropriation of the water supply or changes to the water table; deterioration of water quality by introduction of nitrates or other contaminants; increased nitrate content due to increased usage of water; and unreasonable impacts to public interest. Response letters were sent to all the concerned parties advising them that the proposed appropriation would be reviewed to make sure that it meets all applicable laws under the Kansas Water Appropriation Act. Safe yield and well spacing will be discussed later in this memo. Where appropriate, the concerned parties were advised that agricultural practices associated with this irrigation project may be subject to additional requirements (the application of agricultural chemicals is regulated by the Kansas Department of Agriculture Pesticide and Fertilizer Program and the KWAA requires that equipment is installed at the point of diversion to prevent backflow of chemicals into the water supply if any chemicals are injected into the irrigation system (K.A.R. 5-3-5c)). Additionally, KDA-DWR is not aware of a current nitrate problem that will be exacerbated by the proposed appropriation of water but, per KSA 82a-711, all applications shall be approved by the Chief Engineer unless the proposed use of water will impair existing water rights or prejudicially and unreasonably affect the public interest, including the unreasonable deterioration of the water quality at the water user's point of diversion beyond a reasonable economic limit.

Precision Farms, LLC. Application, File No. 50,686 - Memorandum Page 2

Per K.A.R 5-4-4, the required well spacing for this aquifer (glacial deposits) is 1,320 feet from other non-domestic wells and 660 feet from domestic wells to prevent direct impairment. The nearest non-domestic point of diversion (File No. 50,151-IRR) is located approximately 3,439 away and the nearest domestic well is located at least 2,000 feet away (Paternoster). Therefore, the proposed wells meet well spacing criteria. The nearest PWWSD #27 well is located 3,646 feet away. The proposed spacing from existing wells is significantly greater than several other recent approvals in the same area. There are four existing well batteries used for irrigation in the section to the north (in the same aquifer source). The geographic centers are located 1,320 to 1,500 ft apart. The proposed well spacing meets K.A.R. 5-4-4 and no information has been provided to indicate that this application would result in impairment of any senior water rights.

Test hole logs were submitted with this application, which show a mixture of clay, sand, and gravel sporadically distributed throughout the subsurface, which is typical of glacial drift deposits. Depths to groundwater and saturated thicknesses are also highly variable over short lateral distances, contributing to a complex, heterogeneous aquifer. The log for this location shows 25 feet of silty clay at the surface, underlain by 53 feet of sand. Within the sand are layers of varying coarseness and a few clay layers, especially in the upper portion. Some gravel is shown along with the sand in deeper depths. This coarser layer is likely the primary producing zone of the aquifer. Underlying the sand is 27 feet of silty clay. Bedrock consisting of sandstone, shale, and limestone was reached at a depth of 105 feet. The test hole log reported a static water level of 14 feet depth, with a question mark noted. If this static water level is accurate the water level is above the top of the sand unit suggesting the aquifer may be under confining conditions, however many nearby well logs show some unsaturated sand which would suggest unconfined conditions. The safe yield of this aquifer will be analyzed with the best information available using the method described by K.A.R. 5-3-11 (unconfined aquifers).

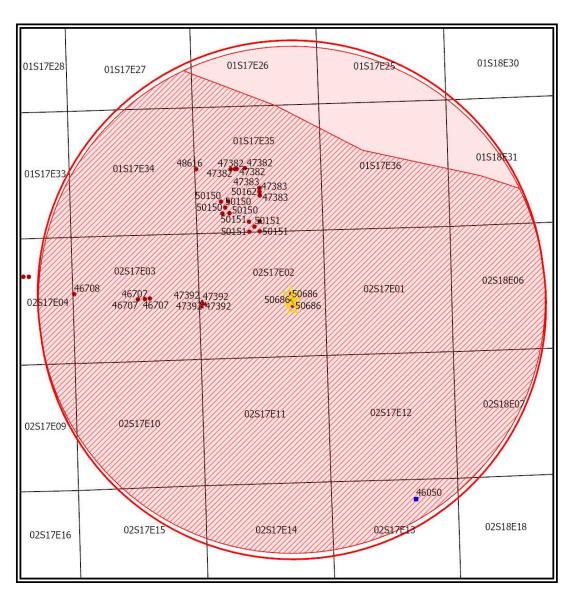
Safe yield is determined by the extent of the unconfined aquifer (glacial deposits) within a two-mile circle radius of the point of diversion, which establishes the area of consideration. The aquifer extent was determined based on a review of hydrologic data consistent with the methods used for senior water rights in the area. Well logs for numerous wells and test holes in the area were used to draw cross-sections and determine the aquifer saturated thickness. The well logs show that the sand and gravel deposits do not extend to the northern margin of the project area or are relatively thin. Therefore, for this application, the area of consideration was determined by excluding the northern portion of the two-mile circle where saturated sand and gravel deposits were less than 12 feet in thickness. A test hole log provided with the application shows a saturated sand thickness of 63 feet near the proposed point of diversion. The saturated sand thickness reaches 75 to 93 feet in the western portion of the two-mile circle (in the vicinity of the PWWSD #27 wells and a few irrigation wells). The safe yield area of consideration was 7,247 acres, potential recharge is 5.2 inches, 100% of recharge is available for appropriation, and safe yield was determined to be 3,140 acre-feet. Existing water rights have appropriated 1,838 acre-feet, providing a difference of 1,302 acre-feet available for appropriation. The application requesting 157 acre-feet complies with safe yield.

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

Based on the above discussion, reduced well spacing and safe yield criteria are met, approval will provide a reasonable quantity of water for irrigation, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced application be approved.

Lloyd Hemphill Environmental Scientist Topeka Field Office

# Safe Yield Report Sheet Water Right- A5068600 Point of Diversion in 02-02S-17E Footages from SE corner- 2,374 feet North 1,396 feet West



### **Analysis Results**

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 3,140.46 AF.

Total prior appropriations in the circle is 1,921.00 AF - 157 AF = 1,764 AF [before File Nos. 50,509 & 50,686]

Total quantity of water available for appropriation is 1,219.46 AF + 157 AF = 1,376.46 AF [before File Nos. 50,509 & 50,686]

There is sufficient water available for appropriation to cover Application, File Nos. 50,509 & 50,686 which propose 73.93 AF and 157 AF, respectively.

#### Safe Yield Variables

The area used for the analysis is set at 7,247 acres.

The potential annual recharge at the circle center is estimated to be 5.2 inches.

The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 24-OCT-2022 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 10 water rights and 29 points of diversion within the circle.

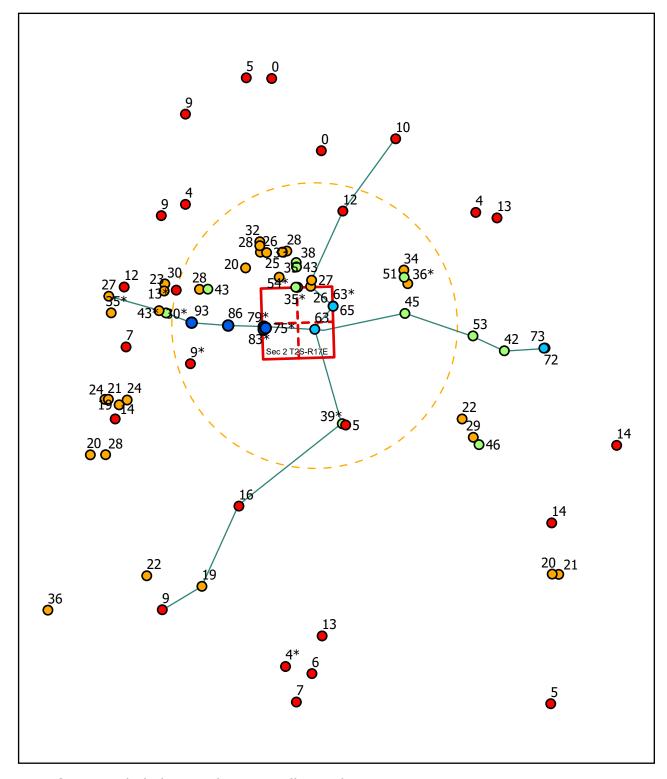
File Number	Use S7	Γ SR	Q4 Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 46708 00	IRR N	K G	SW	SW	NW	2890	5247	03	02	17E	12	WR	197.00	197.00	270.00	270.00
A 46707 00	IRR N	K G	NW	NW	SE	2598	2585	03	02	17E	3	WR	101.00	101.00	134.00	134.00
Same	IRR N	K G	NE	NW	SE	2599	1993	03	02	17E	4	WR				
Same	IRR N	K G	NW	NW	SE	2599	2289	03	02	17E	7	WR				
A 47382 00	IRR LI	R G	SE	SE	NW	2700	3208	35	01	17E	13	WR	160.00	160.00	400.00	400.00
Same	IRR LI	R G	SW	SE	NW	2671	3802	35	01	17E	14	WR				
Same	IRR LI	R G	SW	SE	NW	2682	3548	35	01	17E	16	WR				
Same	IRR LI	R G	SW	SE	NW	2674	3634	35	01	17E	17	WR				
A 47383 00		K G	SW	NW	SE	1697	2627	35	01	17E	9	WR	76.00	76.00	320.00	320.00
Same	IRR N	K G	SW	NW	SE	1851	2633	35	01	17E	10	WR				
Same	IRR N	K G	SW	NW	SE	1542	2621	35	01	17E	11	WR				
A 47392 00	MUN LO		NW	NW	SW	2344	5135	02	02	17E	3	WR	620.00	620.00		
Same	MUN LO	O G	NW	NW	SW	2441	5189	02	02	17E	4	WR				
Same	MUN LO	O G	NW	NW	SW	2217	5191	02	02	17E	5	WR				
Same	MUN LO	O G	NW	NW	SW	2328	5043	02	02	17E	6	WR				
A 48616 00		R G	SW	SW	NW	2718	5253	35	01	17E	1	WR	400.00	240.00	400.00	0.00
A 50150 00	IRR H	K G	NE	SW	SW	1080	4081	35	01	17E	18	WR	50.00	50.00	400.00	400.00
Same		K G	NW		SW	830	3912	35	01	17E	19	WR				
Same	IRR H	K G	SW			1330	3950	35	01	17E	20	WR				
Same		K G		NW		1330	4250	35	01	17E	24	WR				
Same	IRR H	K G	NE	SW	SW	830	4212	35	01	17E	25	WR				
A 50151 00	IRR H	K G	SE	SE	SW	243	2880	35	01	17E	21	WR	160.00	160.00	400.00	0.00
Same	IRR H	K G	SE	SE	SW	35	2660	35	01	17E	22	WR				
Same	IRR H	K G	SE	SE	SW	450	2660	35	01	17E	23	WR				

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
Same	IRR	HK	G		SE	SE	SW	450	3100	35	01	17E	26	WR				
Same	IRR	HK	G		SE	SE	SW	35	3100	35	01	17E	27	WR				
A 50162 00	IRR	LO	G		SW	NW	SE	1697	2627	35	01	17E	9	WR	160.00	160.00	320.00	0.00
Same	IRR	LO	G		SW	NW	SE	1851	2633	35	01	17E	10	WR				
Same	IRR	LO	G		SW	NW	SE	1542	2621	35	01	17E	11	WR				
A 50509 00	IND	AY	G		NE	NW	SE	2374	1396	02	02	17E	7	WR	100.00	100.00		
Same	IND	AY	G		NE	NW	SE	2124	1370	02	02	17E	8	WR				
Same	IND	AY	G		NE	NW	SE	2623	1422	02	02	17E	9	WR				
A 50686 00	IRR	AY	G		NE	NW	SE	2374	1396	02	02	17E	7	WR	157.00	157.00	157.00	157.00
Same	IRR	AY	G		NE	NW	SE	2124	1370	02	02	17E	8	WR				
Same	IRR	AY	G		NE	NW	SE	2623	1422	02	02	17E	9	WR				

## Limitations

Fil€	Number	Seq Num	Limitations	
A	48616 00	1	400 AF COM/W #47382	* 400 AF - 160 AF = 240 AF - OK
A	50162 00	1	800 GPM COM/W #47382	*rate limitation

# SATURATED SAND THICKNESS IN FEET

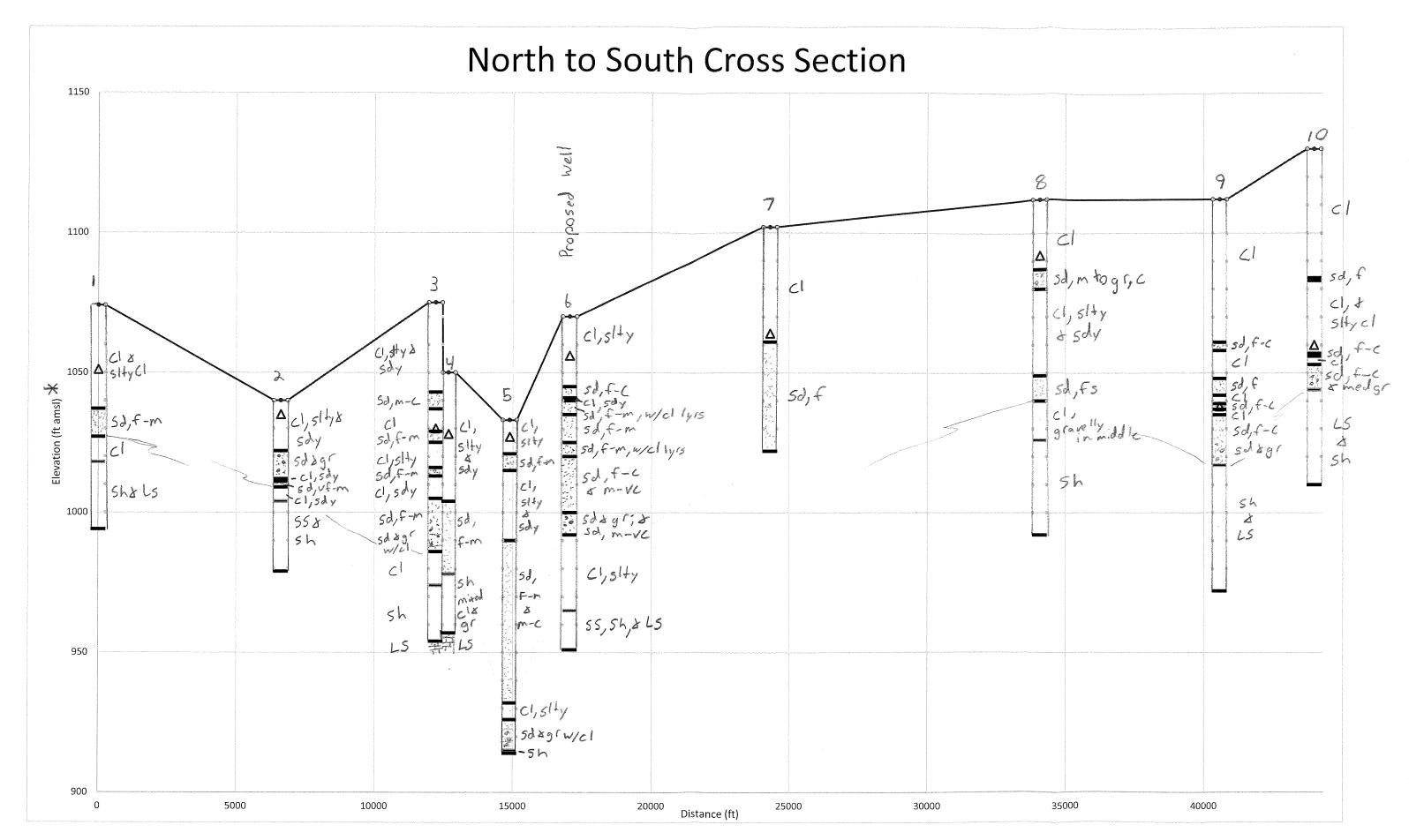


Data from test hole logs and water well completion reports.

\* Bedrock not noted on well log
 Map prepared by: LHH/TFO 11/4/2022



Scale: 1:85,000 0 0.5 1 2 Mile



\* Elevations are subject to error.

WATER WELL RECORD Form WWC-5 KSA 82a-1212 1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number County: BROWN SE 17E E/W Distance and direction from nearest town or city street address of well if located within city? Daryl Schooler 2 WATER WELL OWNER: RR#, St. Address, Box # : Rt. 2 Board of Agriculture, Division of Water Resources City, State, ZIP Code Hiawatha, KS 66434 Application Number: LOCATE WELL'S LOCATION WITH 4 DEPTH OF COMPLETED WELL ... 80. ..... ft. ELEVATION: AN "X" IN SECTION BOX: Pump test data: Well water was ...... ft. after ..... hours pumping ...... gpm NW --- NE --Est. Yield . 50 . . . . gpm: Well water was . . . . . . . . . ft. after . . . . . . hours pumping . . . . . . . . . . . . gpm Bore Hole Diameter ... 12."... in. to ... 9-52."... ft., and ... 8.3./4... in. to ... 52-80... ft. w Ē 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) SW . - SE -2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well ......... 1 Was a chemical/bacteriological sample submitted to Department? Yes...........No....X.....; If yes, mo/day/yr sample was sub-Water Well Disinfected? Yes X No CASING JOINTS: Glued . . X. . . Clamped . . . . . TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) 1 Steel 2 PVC 4 ABS 7 Fiberglass Threaded...... TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement 8 RMP (SR) 1 Steel 3 Stainless steel 5 Fiberglass 9 ABS 2 Brass 4 Galvanized steel 6 Concrete tile 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 3 Mill slot 6 Wire wrapped 9 Drilled holes 1 Continuous slot 4 Key punched 7 Torch cut 2 Louvered shutter SCREEN-PERFORATED INTERVALS: From...... ft. to ..... ft., From ..... ft. to ..... ft. GRAVEL PACK INTERVALS: ft., From From 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite What is the nearest source of possible contamination: 10 Livestock pens 14 Abandoned water well 15 Oil well/Gas well 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below) 2 Sewer lines 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage Direction from well? How many feet? 250 PLUGGING INTERVALS west FROM LITHOLOGIC LOG FROM Top Soil 0 12 Brown Clay 12 16 Grey Clay 16 22 Brown Clay 22 30 Yellow Clay, Silty 30 37 Grev Clav 37 47 Sand, Medium & Fine-Brown 47 56 Grey Clay 56 66 Grev Shale 66 67 GreyLimestone 67 79 Grey Shale 79 80 Grey Limestone CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) . . . . 10-14-93 . . . . . . . . . . . . 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//r) under the business name of STRADER DRILLING CO., INC. by (signature) INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department

of Health and Environment, Bureau of Water, Topeka, Kansas 65620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

			<del></del>	WELL RECORD F	orm WWC-5	KSA 82			
1 LOCAT	ION OF WATE	ER WELL:	Fraction	a a		on Numbe			Range Number
County:	Brown		SE 1/4	SW 1/4 SW		25	Т	1 s	R 17 (E) (AX
Distance a	and direction f	rom nearest town	or city street add	ess of well if located	within city?				
5	miles Ea	st and 1 mi	le north o	f Padonia, KS					
2 WATE	R WELL OWN	IER: Randy	Fee						
	Address, Box	# Oklahoma	City Area	Indian Health	Service		Board o	of Agriculture, [	Division of Water Resources
				lahoma, OK 7			Applica	tion Number:	
						# ELEV			
P AN "X"	' IN SECTION								
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	1	E							mping gpm
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ž w	1	,   w	ELL WATER TO		5 Public water		8 Air condition	-	Injection well
17	, I	!	1 Domestic						Other (Specify below)
	SW	35	2 Irrigation						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	X	i I w	/as a chemical/ba	cteriological sample si	ubmitted to De	partment?	YesNo	X; If yes,	mo/day/yr sample was sub
I L	ς ,		itted				ater Well Disinfe		
5 TYPE	OF BLANK C	ASING USED:		Wrought iron	8 Concre	te tile	CASING	JOINTS: Glue	1 X , Clamped
1 S		3 RMP (SR)		S Asbestos-Cement					ed . ,
2 P		4 ABS		7 Fiberglass			- ··, <i></i>	Threa	aded
2 -	VC	4 ABS		1 # Dia	in to		ft Dia	,,,,	in. to ft.
Blank cas	sing diameter		18 :-		8/13			ee or gauge N	o SDR. 21
	-			i., weight					
į .		PERFORATION I		_ <del>_</del> .	7 PV			Asbestos-ceme	
	iteel	3 Stainless s		5 Fiberglass		P (SR)			
1	irass	4 Galvanized		6 Concrete tile	9 ABS	='		None used (or	
SCREEN	OR PERFOR	ATION OPENINGS	S ARE:		d wrapped			-	11 None (open hole)
1 C	Continuous slot			6 Wire v			9 Drilled hol	•	
1	ouvered shutte	•	punched	7 Torch					
SCREEN	-PERFORATE	D INTERVALS:	From 21.	ft to	71.7	ft F	rom	ft. 1	o
									_
			From	ft. to		ft., F	rom	ft. 1	toft.
	GRAVEL PAG	CK INTERVALS:	From	ft. to		ft., F	rom	ft. t	toft.
	GRAVEL PAG		From	ft. to	61	ft., F ft., F ft., F	rom rom	ft. ft. ft. ft. ft. ft	toft. to <u>ft.</u>
6 GROL	JT MATERIAL	CK INTERVALS:	From		3 Bento	ft., F ft., F ft., F	rom rom	ft. f	to ft.
6 GROL	JT MATERIAL	CK INTERVALS:	From		3 Bento	ft., F ft., F ft., F	rom rom	ft. f	to ft.
Grout Inte	JT MATERIAL ervals: Fron	CK INTERVALS:	From		3 Bento	ft., Fft., F ft., F nite	rom rom		toft. to <u>ft.</u>
Grout Into	JT MATERIAL ervals: Fron the nearest so	CK INTERVALS:  1 Neat cer	From	ft. to ft. to ft. to  Cement groutft., From	3 Bento	to	rom		to .ftft. to .ft.
Grout Into What is t	JT MATERIAL ervals: Fron the nearest so Septic tank	CK INTERVALS:  1 Neat cer  1t.  1 urce of possible cor  4 Lateral	From	ft. to ft. to ft. to  Cement grout ft., From 7 Pit privy	3 Bento	ft., Fft., F ft., F nite to 10 Liv	rom		to ft. to ft
Grout Into What is t 1 S 2 S	JT MATERIAL ervals: Fron the nearest so Septic tank Sewer lines	: 1 Neat cer  1 Neat cer  1 Neat cer  1 Neat cer  1 Lateral  5 Cess p	From	Cement grout  ft., From  7 Pit privy 8 Sewage lage	3 Bento	ft., Fft.,	rom		to ft. to ft
Grout Into What is t 1 S 2 S 3 V	JT MATERIAL ervals: Fron the nearest so Septic tank Sewer lines Vatertight sew	CK INTERVALS:  1 Neat cer  1t.  1 urce of possible cor  4 Lateral	From	ft. to ft. to ft. to  Cement grout ft., From 7 Pit privy	3 Bento	ft., Fft., Fft., Fft., Fft. Fft. Fft.,	rom		to
Grout Into What is t 1 S 2 S 3 V Direction	JT MATERIAL ervals: From the nearest so Septic tank Sewer lines Natertight sewer I from well?	: 1 Neat cer  1 Neat cer  1 Neat cer  1 Neat cer  1 Lateral  5 Cess p	From	ft. to 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	ft., Fft., Fft., Fft., Fft. Fft. Fft.,	rom		to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM	JT MATERIAL ervals: From the nearest so Septic tank Sewer lines Watertight sew tom well? TO	the center of th	From	ft. to 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM	UT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sewer from well?	1 Neat cere of possible constructed of possible constructed for the second seco	From	ft. to 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0	UT MATERIAL ervals: From the nearest so Septic tank Gewer lines Watertight sew of from well?	ck INTERVALS:  1 Neat cer  1 Neat cer  1 Neat cer  2 Lateral  5 Cess per lines 6 Seepage  No Sample  silt & cl	From	ft. to 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5	JT MATERIAL ervals: From the nearest so Septic tank Sewer lines Watertight sew of from well?  TO  5  13	ck INTERVALS:  1 Neat cer  1 Neat cer  1 Neat cer  2 Lateral  5 Cess p  2 er lines 6 Seepag  No Sample  3 sandy cla	From	ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sewer from well?  TO  5  13  168  28	CK INTERVALS:  1 Neat cer  1 Neat cer  1 Neat cer  2 Lateral  5 Cess p  2 er lines 6 Seepag  No Sample  3 sandy cla  5 sand & gr	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Natertight sewer from well?  TO  5  13  168  28	No Sample sandy classandy	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31	No Sample sand & gr	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO  5  13  188  28  29  31  36	No Sample sandy classandy	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO  5  13  188  28  29  31  36	No Sample sandy classandy	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36	JT MATERIAL rervals: From the nearest so Septic tank Sewer lines Watertight sew from well?  TO 5 13 168 28 29 31 36 41	No Sample sandy classandy classandstone	From	ft. to ft. to ft. to ft. to ft. to Cement groutft., From 7 Pit privy 8 Sewage lago 9 Feedyard	3 Bento ft.	toft., F  ft., F  ft., F  nite  to  10 Liv  11 Fu  12 Fe  13 Ins  How r	rom	n	to ft. to ft.  . ft. to ft.  . bandoned water well  oil well/Gas well  other (specify below)
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36 41	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sew of from well?  TO 5 13 168 28 29 31 36 41 61	No Sample silt & cl sandy clasandy clasandstone shale - c	From	t. to  ft. to  ft. to  ft. to  Cement grout  ft., From  7 Pit privy  8 Sewage lago  9 Feedyard  DG	3 Bento ft.	10 Liv 11 Fu 12 Fe 13 Ins How r	rom		to ft. to ft. to ft ft. to
Grout Into What is t 1 S 2 S 3 V Direction FROM 0 5 13 18 28 29 31 36 41	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sew of from well?  TO 5 13 168 28 29 31 36 41 61	No Sample silt & cl sandy clasandy clasandy clasandy clasandy clasandy clasandy clasandy clasande - procession control of the	From	t. to  ft. to  ft. to  ft. to  ft. to  Cement grout  ft., From  7 Pit privy  8 Sewage lago  9 Feedyard  OG  ish brn  ON: This water well w	3 Bento ft.	10 Liv 11 Fu 12 Fe 13 Ins How r	rom	ft.	to ft. to
Grout Intervention of the second seco	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sew of from well?  TO 5 13 168 28 29 31 36 41 61 61	No Sample silt & cl sandy clasandy clas	From	t. to  ft. to  ft. to  ft. to  ft. to  Cement grout  ft., From  7 Pit privy  8 Sewage lago  9 Feedyard  OG  ish brn  ON: This water well w	3 Bento ft.	tt., F.  ft., F.  ft., F.  ft., F.  nite  to	rom	ft.	to ft. to
Grout Intervention of the second seco	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sewer from well?  TO  5  13  18  28  29  31  36  41  61  TRACTOR'S Good on (mo/day, Well Contractor)	No Sample silt & clasandy clas	From	the to the total fith to total fith to total fith to the fith to t	3 Bento ft.	tt., F  ft., F  ft., F  nite  to	rom	14 A 15 C None, k  PLUGGING  (3) plugged ur the best of my k )	to ft. to
Grout Intervention	JT MATERIAL Pervals: From the nearest so Septic tank Sewer lines Watertight sewer from well? TO 5 13 168 28 29 31 36 41 61  TRACTOR'S Good on (mo/day, Well Contractor) the business na	No Sample silt & clasand & grandy clasandy clasa	From	ish brn  This water well w  Company  Th. to  ft. to  ft. to  Cement grout  ft., From  Pit privy  Sewage lago  Feedyard  Feedyard	3 Bento Th.  The soon  FROM  FROM  as (1) constru	tt., F  ft., F  ft., F  ft., F  nite  to	rom	(3) plugged ur ne best of my k	to ft. to

WATER '	WEL	L RECORD	Form WV	VC-5			r Resources App. No		
		OF WATER WELL:	Fraction NE ¼ SE ¼ SW	W SE W	Section	n Number 35	Township No. T 1 S	Range N R 17	lumber ☑E □W
County:	Brow	n Idress of Well Location;			Global		System (GPS) in		
from ne	arest to	wn or intersection: If at	owner's address, check	here Z.	Latitue	de:39,9.15	4330	(in dec	imal degrees)
		le West & 1/8 North of			Longit	tude: <del>:</del> 95.47	61160	(in dec	imal degrees)
7,500.	,, , , ,,,,,				Elevat	ion:	4, ☑ NAD 83, ☐	 NAD 27	
2 WATE	RWE	LL OWNER: Howard	I Farms Inc.		Collect	ion Method:			
RR#, S	treet A	ddress, Box #: 1606 28			<b>☑</b> G	PS unit (Mal	ke/Model: Garmin	12xi	)
City, St	tate, ZI	P Code : Hiawath	na, KS 66434		Fet A	igital Map/Ph	oto, 🔲 Topographic 3 m, 🔽 3-5 m, 🔲	Map, [_]	Land Survey
3 LOCAT	E WEI	т. Т						J-13 III, [	1/13/11
WITH		IN 4 DEPTH OF	COMPLETED WELI	. 95		ft.			_
SECTIO		C: Depth(s) Ground	dwater Encountered IC WATER LEVEL. 4	(1). <del>4</del>	ft.	(2). <i>1</i> .V	ft. (	3) / 00/	ft.
r———	N T T		test data: Well water						
	'		gpm. Well water	was	ft.	after	hours pum	ping	gpm
w NW -	-  NE	Bore Hole Diam	neter 1.4in. to .9	<b>95</b> i	ft., and	in	. to	ft.	
"	+-+		TO BE USED AS:						
sw -			☐ Feedlot ☐ ☐ ☐ ☐ ☐ Industrial ☐ ☐	Jii field wat	er supply	vien □ M	ewatering U	лner (Spe	city below)
	<u>  X</u>	Was a chemical	/bacteriological sample	submitted to	Departi	ment?	Yes 🗹 No	***********	
	S	If yes, mo	day/yr sample was sub	mitted					
1	mile	Water well disir	nfected? 🔽 Yes 🔲	No					
5 TYPE C	OF CA	SING USED:   Stee	I PVC 🗆 C	Other		*************	******		
CASING	IOINT	S FO Glued □ Clar	mned 🗍 Welded 📗	☐ Threade	d				
Casing	diamete	or 8 in. to .95	ft., Diameter	in.	to	#., E	Diameter	in. to	ft.
Casing	height a	bove land surface24 EN OR PERFORATION	in., weight	.Y,XŸ	los./π	., wan uni	ckness or gauge N	0Y.YAA	A
	teel		PVC	Г	Other (S	pecify)			
B	rass	Galvanized Steel	None used (open he	ole)					
SCREEN	OR PE	RFORATION OPENING	GS ARE:	<b>-</b>	F7 5 "			,	
	ontinuo	us slot  Mill slot  Shutter  Key punched	Gauze wrapped	☐ Torch cut ☐ Saw cut		lled holes er (specify)	∐ None (open hol	e)	
SCREEN	ouvered _PFRF(	ORATED INTERVALS:	From	1. to95		. ft., From	ft.	to	ft.
			From	ft. to		. ft., From .	ft.	to	ft.
	GRAVE	EL PACK INTERVALS:							
			From	ft. to		. ft., From .	fl.	to	ft.
6 GROU' Grout Inte	T MAI	TERIAL: Neat cem	ent Cement grout of	M Bento	nite L	Otner A	From	ft to	ft
What is th	rvais: e neare	st source of possible cont	amination:				_		
	eptic tan	ık 🔲 Lateral li	nes 🔲 Pit privy				e storage 🗹 Oti	ner (specify	y below)
I □ S	ewer lin	es 🔲 Cesspool	Sewage lagoon	Fuel stora		☐ Abandone ☐ Oil well/g	<b>A</b> 1	e - Open	Field
		nt sewer lines Seepage	pit reedyard	·			gas wen		
FROM	TO TO	LITHOLOG		FROM	TO		.OG (cont.) or PLU	JGGING	INTERVALS
0 4		no sample		70	75	sand F-M			
	11	clay silty brown		75	89		ravel w/intermitte	nt clay	
11 1	18	clay sandy brown		89	101	clay gray			
	32	clay sandy light brown		101	112	shale oliv			
	38	sand M-C		112 121	121	shale gra			
	46	clay light brown		121		limestone			***
	50 59	sand F-M brown clay silty gray							
	52	sand F-M brown							
62	70	clay sandy brown							
7 CONTI	PACTO	DR'S OR LANDOWNE	R'S CERTIFICATIO	N: This wa	ter well v	was 🛭 const	tructed, reconst	ructed, or	plugged
under my	inriedic	tion and was completed a	on (mo/dav/year) .1.1/9	6/2009 e	ınd this r	ecord is true	to the best of my	kpevaledg	eand belief.
Kansas W	ater W	ell Contractor's License 1	No. $.7.79$ This $^{1}$	Water Well I	Record w	as complete	d on (mo/day/gear	XXX.15X.	2009
under the	busines	ss name ofQrill-Well Use typewriter or ball point pe	DIFACE PRECE FIRM	Y and PRINT	Dy (S	ase fill is blen	to and check the roll	ct answers	Send three copies
(white blue	nink\ to	n Koncos Department of Healt	h and Environment, Bureau	of Water, Geo	logy Section	on. 1000 SW J	lackson St., Muite 420.	Topeka, Ka	ansas 66612-1367.
Telephone 7	785-296-	5522. Send one copy to WA	TER WELL OWNER and	retain one for	your reco	rds. Include f	ee of \$5.00 for each	constructed	well. Visit us at
http://www.l KSA 82a-1		ov/waterwell/index.html.		***	C	heck: KW	hite Copy, B	lue Conv	☐ Pink Copy
NOW OTA-I	414				-	LALI-ALI		PJ,	Copj

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SCRUTT.	S.	
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WATER	R WEL	L RECORD	Form W	WC-5	Divisi	ion of Wate	er Resources Ann No	97,383
1 LOC	ATION (	OF WATER WELL:	Fraction		Decreoit	HAITINGI	Township 140.	Ivanike mannoer
	ty: Brow	n ddress of Well Location;			Global P	A Color Color of Chester (1994)	T 1 S g System (GPS) in	R 17 DE W
		wn or intersection: If at			Latitude	:39,914	11.83	(in decimal degrees)
		t of 280th and Nightha			Longitud	de: <del>-</del> 95.47	7640	(in decimal degrees)
10 mg 2			The state of the s		Elevatio	n: Jugu. Tiwas s	4, 🗹 NAD 83, 🔲	 NAD 27
			i Farms Inc.	400	Collectio	n Method:		
	Street A State, ZI	ddress, Box #: 1606 28						.12xl) c Map, □ Land Survey
City,	State, Z1	r Code · Hiawath	na, KS 66434		Est. Accı	itai Map/Fi iracy: □ <	<3 m, 🗹 3-5 m, 🗌	5-15 m,
WITE SECT	ATE WEI I AN "X" TION BOX N	IN 4 DEPTH OF Depth(s) Groun WELL'S STAT Pump	COMPLETED WEL dwater Encountered IC WATER LEVEL	(1).46 22ft. er was	ft. below lan ft. ai	(2).7.7 d surface fter	ft, ( measured on mo/d hours pump	oing gpm
w	/   NE	Bore Hole Diam	5gpm. Well wate neter 14in. to It TO BE USED AS:	80 Public wat	t., and er supply	in □ G	. toeothermal 🔲 I	ft.
sw	/ SE X- S	✓ Irrigation Was a chemical		Domestic-lave submitted to	vn & garde Departme	en 🗌 M ent? 📋	onitoring well	······································
1	1 mile		nfected? Yes 🗆					
Casing Casing TYPE Casing TYPE Casing	g diamete g height a DF SCRE Steel Brass N OR PE Continuor Louvered N-PERFO GRAVE UT MAT ttervals: the neare Septic tan Sewer lin Watertigh	Galvanized Steel CRFORATION OPENING IS slot Mill slot shutter Key punched ORATED INTERVALS: CL PACK INTERVALS: CERIAL: Neat cem From 5	ft., Diameter	in, 5.39  Torch cut Saw cut ft. to80 ft. to Bento  Livestock Fuel storag Fertilizer's	Drilled Drilled Other (Spe	Wall this cify)  d holes (specify)  t., From  t., From  t., From  t., From  the first from  Other  Insecticid Abandone   Oil well/g  60'	None (open hol  None (open hol  ft.  ft.  ft.  ft.  ft.  Roa  water well  as well  Roa	e) to ft.
PROM 0	6	no sample	JIC LOG	110111	-10	2,,,,,,,,	. <u></u>	
6	22	clay silty brown						
<u>22</u>	26	clay sandy brown					550511/5	<u> </u>
26 38	38 46	clay silty gray clay sandy brown			3 3		RECEIVE	U
46	59	sand F-M brown					AUG <b>26</b> 20	109
59	72	sand M brown						
7 <u>2</u>	76	shale brown		1			TOPEKA FIELD DIVISION OF WATER RES	OFFICE CKIRCE)
76 93	93	mixed clay and gravel limestone	yıay				DIABOUT OF ANY COLUMN	
7 CON'I under m Kansas	y jurisdio Water Wo	DR'S OR LANDOWNE tion and was completed tell Contractor's License I is name ofDrill-Wall Use typewriter or ball point pe	on (mo/day/year) .9.7/3 No7.79 This LC	.7/2009 a Water Well I	nd this rece lecord was by (sig	ord is true complete nature)	te the best of my land on (mo/day/year	knowledge and belief. 07/28/2009
(white, blue Telephone http://www	ue, pink) to 2785-296-1 w.kdheks.ge	Use typewriter or ball point peop Kansas Department of Health 5522. Send one copy to WA by/waterwell/index.html.	h and Environment Rureau	of Water (ieo	ogy Section, your records	. Include <u>f</u>	ce of \$500 for each	constructed well. Visit us
KSA 82a	-1212				Che	ck: ∐ W	иние Сору, 🔲 В	lue Copy, A Pink Coj SCANNED

Hiawatha 11-05 Division of Water Resources App. No. Form WWC-5 WATER WELL RECORD Section Number Township No. 1 LOCATION OF WATER WELL: Range Number Fraction NW 1/4 NW 1/4 SW 1/4 NW 1/4 2 R 17 T S County: Brown Street/Rural Address of Well Location; if unknown, distance & direction Global Positioning System (GPS) information: Latitude: ..39.909972..... (in decimal degrees) from nearest town or intersection: If at owner's address, check here . Longitude: -95.470666 (in decimal degrees) 1463' South of 280th & Nighthawk Rd. East sid of road. Elevation: 1033 Datum: \( \backslash\) WGS 84. \( \backslash\) NAD 83. \( \backslash\) NAD 27 WATER WELL OWNER: City of Hiawatha Collection Method: RR#, Street Address, Box #: 701 Oregon St. City, State, ZIP Code Hiawatha, KS 66434 LOCATE WELL 4 DEPTH OF COMPLETED WELL 99 ft. WITH AN "X" IN SECTION BOX: Pump test data: Well water was.....ft. after......hours pumping......gpm EST. YIELD......gpm. Well water was......ft. after...... hours pumping....... gpm - NE - -NW -Bore Hole Diameter 6......in. to .....ft., and ......in. to .....ft. WELL WATER TO BE USED AS: Public water supply Geothermal Injection well Oil field water supply Dewatering Other (Specify below) ☐ Feedlot SW - --- SE --☐ Domestic-lawn & garden ☑ Monitoring well ..... ☐ Industrial ☐ Irrigation Was a chemical/bacteriological sample submitted to Department? 

Yes 

No If yes, mo/day/yr sample was submitted..... S |-----1 mile-----| Water well disinfected? Yes No ☐ Steel V PVC ☐ Other ..... 5 TYPE OF CASING USED: TYPE OF SCREEN OR PERFORATION MATERIAL: ☐ Stainless Steel ☐ Galvanized Steel ✓ PVC☐ None used (open hole) ☐ Steel ☐ Brass Other (Specify) ..... SCREEN OR PERFORATION OPENINGS ARE: Gauze wrapped ☐ Torch cut ☐ Drilled holes None (open hole) Louvered shutter Key punched Saw cut Other (specify) ..... ☐ Wire wrapped From ...... ft. to ..... ft., From ..... ft. to ..... ft. What is the nearest source of possible contamination: Other (specify below) ☐ Insecticide storage ☐ Lateral lines ☐ Pit privy Livestock pens Septic tank ☐ Fuel storage ☐ Abandoned water well ☐ Pertilizer storage ☐ Oil well/gas well ☐ Sewage lagoon Cesspool ☐ Sewer lines ☐ Watertight sewer lines ☐ Seepage pit ☐ Feedyard Distance from well ..... Direction from well West LITHO. LOG (cont.) or PLUGGING INTERVALS LITHOLOGIC LOG FROM TO FROM TO 101 107 silty clay gray no sample dirty sand & gravel, w/clay gray 107 118 clay silty dark brown 12 119 118 shale dark gray 18 sand F-M brown 12 30 clay silty gray 18 clay silty sandy gray 43 30 sand F-M 60 43 sand M-C 65 60 sand F-M 80 65 90 sand M-C 80 sand F-M 101 90 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was 

✓ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo/day/year) .05/02/2011.... and this record is true to the best of my/knowledge and belief. Kansas Water Well Contractor's License No. 7.79...... This Water Well Record was completed on (mo/day/lygar) .06/21/2011 under the business name of ...Drill-Well, LLC.

INSTRUCTIONS: Use typewriter or ball point pen.

PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html. Check: White Copy, Blue Copy, Pink Copy

KSA 82a-1212

EW7/NS-6 1070 **Precision Farms** 2021-10-22 21-1 "best spot" N 39 54' 19.5" W95 28' 32.5" 5-25 silty clay brown 25-29 sand F-C brown 29-30 sandy clay brown 30-35 sand F-M brown with clay layers 35-45 sand F-M brown 45-50 sand F-M brown with clay layers 50-55 sand F-C brown 55-60 sand M-vc brown 60-70 sand F-C brown 70-75 sand and gravel brown 75-78 sand M-VC brown 78-97 silty clay gray 97-105 silty clay grayish brown 105-110 sand stone gray 110-119 shale gray 119 limestone lost water from 50-78 SWL 14'? EW8 21-2 650' east of 21-1 1071 N 39 54' 18.6" w 95 28' 24.2" 5-14 sandy clay brown 14-19 silty clay brown 19-41 silty clay gray 41 limestone 21-3 along North fence 500' north of 21-1 N 39 54' 24.4" W95 28' 32.5" 5-23 silty clay brown 23-34 sandy clay brown 34-38 sand F-M cemented 38-46 hard clay brown 46-50 sand VF-M brown 50-55 sand F-M brown with clay layers 55-65 sand F-M brown 65-90 sand VF-M brown with clay layers 90-101 sand F-M brown with clay layers 101-103 shale black 103-115 shale gray

stopped

ABB

Kansas Department of Health and Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

	County	Fraction	Section	number	Township number	Range number	
1. Location of well:	Brown	NW 1/4 NW 1/4 NE 1/4	2		_	R 17	ŒW
2. Distance and dire	ction from nearest town or city: 2			: Ro	best Davis		
Street address of well	location if in city: Kicu		or street:	code: 🕏	viouatha, Ks	6643	4
4. Locate with "X" i	in section below:	Sketch map:			6. Bore hole dia. 10 in Well depth 100 ft.	Completion date —	
_		Co. Rol.			7 Cable tool		
1 1 1 1	NE	[Bra]			Hollow rod Jetted		
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sw	Y SF		an		Lawn O	il field water Oth	her .
	{	X effects	JA"		9. Casing: Material Pucc Threaded Welded	_ISurface36	in.
5		of water	A Dreigh	70	RMP PVC@/Lee Dia. 5 in. to 60 ft. dep		
5. Type and color of		,	From	То	Diain. toft. dep		
		<u> </u>		<u></u>	10. Screen: Manufacturer's	mpCO	
lep	Soil		0	3	Type Rue	length 20	
Brow	on Clay		3	10	Set between 5) 27-72	_ft. and 50 45-52	<u>5</u> ft.
Tan	Clay		10	25	Gravel pack? Y Size ro		7060
	med Sand to Co	re Grovel	25	32	11. Static water level: <u>クの</u> ft. below land su		/day/yr.
•	silly Clay		32	39	12. Pumping level below lan	d surfaces: Dirt	=3t
_	un Sily Clay		39	46	ft. after Estimated maximum yield	hrs. pumping	
	med. Sandy Clay	1	46	50	13. Water sample submitted:	mo.	/day/yr.
	Clay		50	63	Yes No 14. Well head completion:	TO PCOP	
/	y Fine Sund		63	72	Pitless adapter  15. Well grouted? Ves	36 Inches above	grade
1 .	1 Clay		72	75	With: Neat cement Per Property	Bentonite	Concrete
. ,	Gravely Clay		75	28	16. Nearest source of possib		+5 D
Curr	Cale .		78		Well disinfected upon compl		No
0	11.		86	100	17. Pump:  Manufacturer's name	➤ Not installed	~   ~ <del> </del> ~
for hon	1 shore		100		Model number	HP Vol	- 0
					Length of drop pipe	- If capacity	_g.p.m.   < <b>(</b>
					Submersible Jet	Turbine Recipro	
	(Use a second	sheet if needed)			Centrifugal	Other	——   %   b
18. Elevation:	19. Remarks:	all Clah			20. Water well contractor's This well was drilled under	my jurisdiction and this	report
Topography:	OWNER TO IN	5120			is true to the best of my kno	wledge and belief.	182 313
— ніп					Business name Address A 7 Hol	Ton 125 Lie	ense No.
Slope Upland Valley					Signed Dale C	presentative Date	10-18-18
valley				,			<b>♂</b> '

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

BR = 1024 = 1090

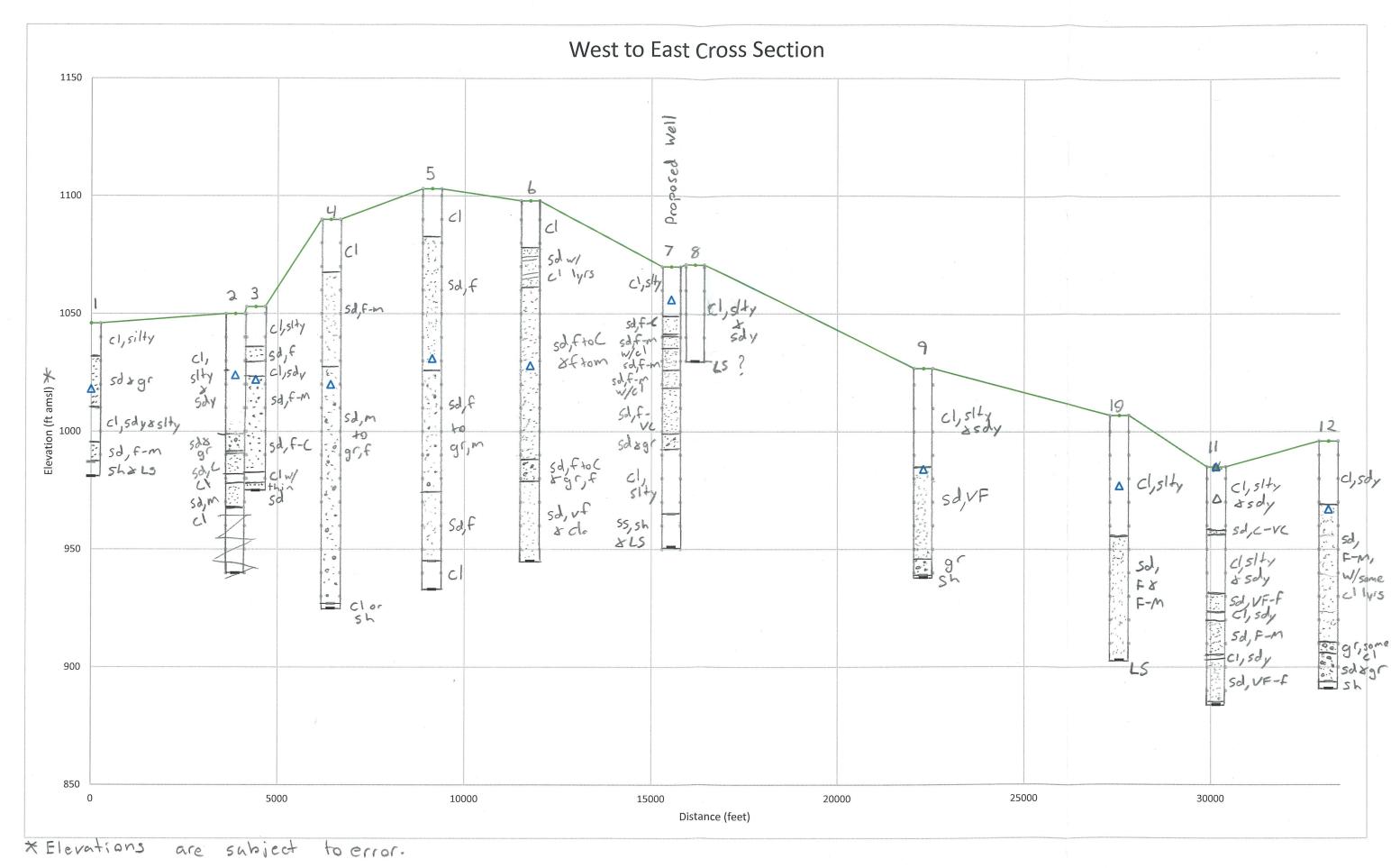
Form WWC-5

KGS Hydrology Water Well Database Query

# Scan of WWC5 Form

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Mater Villo Discheded? Yes X   No		!!!	! ! !								
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Sing height above land surface.   24"   in, weight   2,82	2 PV	C	4 ABS	0 77	/ Fibergiass	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	90-119		IIII	:	
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2 Brass	YPE OF	SCREEN OF	PERFORATIO	N MATERIAL:							
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1 Continuous slot	2 Bra	iss	4 Galvaniz	zed steel	6 Concrete tile	9 AB	S	12 Non	e used (op	en hole)	
2   Louvered shutter   4   Key punched   7   Torch cut   10 Other (specify)	CREEN (	OR PERFOR	ATION OPENIN	IGS ARE:	5 Gai	uzed wrapped		8 Saw cut		11 None (op	en hole)
RREEN-PERFORATED INTERVALS:   From.   1.19	1 Co	ntinuous slot	. 3 M	fill slot	6 Wir	e wrapped		9 Drilled holes			
REEN-PERFORATED INTERVALS: From	2 Lou	uvered shutte	er 4K	ev punched	7 Tor	rch cut		10 Other (specify	)		<i></i>
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nat is the nearest source of possible contamination:  1 Septic lank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well 12 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below) 13 Insecticide storage How many feet? 250 ' PLUGGING INTERVALS  0 2 Top Soi.1  2 46 Clay—Brown 47 63 Clay—Brown 47 63 Clay—Brown 63 69 Clay—Brown—Silty 69 70 Boulder 70 73 Clay—Brown 73 74 Fine Sand—Coarse Sand—Brown 74 77 Clay—Brown 75 81 Fine Sand—Coarse Sand—Brown 81 86 FS—CS—Med Gravel—Brown 81 86 FS—CS—Med Gravel—Brown 81 86 FS—CS—Med Gravel—Brown 82 IS—Tan 83 120 Shale—Grey  CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and we impleted on (molday/year) 4/28/97 and this record is true to the best of my knowledge and belief. Kans after Well Contractor's License No. 182 This Water Well Record was completed on (molds/year) 5 9 9 9 9 9 1 9 9 1 9 1 9 9 1 9 9 1 9 9 1 9	GROUT	MATERIAL	: 1 Neat	cement	2 Cement grout						
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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 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.	2 Ser 3 Wa Direction from FROM 0 2 46 47 63 69 70 73 74 77 81 86 89 CONTROMPLE CONTROLLED CONTROLLE	wer lines atertight sew rom well?  TO 2 46 47 63 69 70 73 74 77 81 86 89 120  RACTOR'S ( on (mo/day/	urce of possible  4 Later 5 Cess er lines 6 Seep NE  Top Soil Clay-Brow Fine Sand Clay-Brow Boulder Clay-Brow Fine Sand Fine S	ral lines s pool page pit  LITHOLOGIC  wn d—Brown  wn wn—Silty  wn d—Coarse Si wn d—Coarse Si ey  ER'S CERTIFICAT /28/97	8 Sewage li 9 Feedyard  C LOG  and-Brown  and-Brown  rown  TION: This water well	FROM  I was (1) constru	11 Fuel 12 Fertil 13 Insec How ma TO  TO  acted, (2) recease completed	storage izer storage sticide storage ny feet? 250 PL  onstructed, or (3) pord is true to the be on (mo/day/)r)	16 C	other (specify b	etion and w





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1	1		3) ft., or 4) ☐			: ☐ WGS 84	
1	TX T	WELL'S STATIC WA	TER LEVEL:28	'π. \ 09/06/201	6 Source	for Latitude/Longitude	i: Carmin
'	' 1	D show land surface	, measured on (mo-day-; , measured on (mo-day-;	y1).***	*   <b>∠</b> Z] G!		Garmin )
NW	NE		vater was ft		1	(WAAS enabled?	
w	E		s pumping			and Survey Topographical Manner:	rapnic map
'			vater was ft			mme mapper	
SW	SE		s pumping			. 1042	
		Estimated Yield:30	gpm		6 Eleva	tion:044f	t. 🛭 Ground Level 🗌 TOC
	S	Bore Hole Diameter:	10 in. to 65	. ft. and	Source	: Land Survey	GPS  Topographic Map
	nile		in. to	ft.		✓ Other ハソトホハ	
7 WELL	WATER T	O BE USED AS:					
1. Domestic:			ter Supply: well ID				ease
☑ Housel			g: how many wells?			Iole: well ID	
Lawn o			echarge: well ID		_	sed Uncased	1
Livesto			g: well ID			ermal: how many bore	
2. Irrigati			al Remediation: well ID			osed Loop	
3. Feedlo		☐ Air Sparge		xtraction			ischarge
4. 🗌 Industr		☐ Recovery	<u>-</u>				
Was a che	mical/bacte	eriological sample subm	itted to KDHE?	Yes 🛮 No	If yes, date	sample was submitted	эd:
Water well	disinfected	? ☑ Yes ☐ No					
8 TYPE C	F CASIŅO	G USED: 🗌 Steel 🛛 PV	C 🗌 Other	CASI	NG JOINTS	🛮 🗹 Glued 🔲 Clampe	d 🗌 Welded 🔲 Threaded
Casing diam	eter	in. to 65 ft., I surface 24 in	Diameter	in. to	ft., Diam	eter in. to .	ft.
Casing heigh	nt above land	surface	ı. Weight	lbs./ft.	Wall thick	ness or gauge No. אולאב.	341
		R PERFORATION MA			FT 0.1	(0 10)	
☐ Steel		inless Steel		1 7 1 1		er (Specify)	
Brass		Ivanized Steel		sed (open hol	e)		
1		RATION OPENINGS A		1. C 🗆 T	N.:11. J. TT1	(C : f.)	
	nuous Slot		auze Wrapped				•••••
COBERNI	TEO SHULLER	☐ Key Punched ☐ W TED INTERVALS: Fron	. 55 + 65	v Cut ∐1	none (Open n	Ole)	ft to ft
SCREEN-I	DAMEL DA	ACK INTERVALS: From	25 A to 65	II., FIOIII .	II. IV.	A From	A to B
O CDOUT	NAVEL PA	CK INTERVALS. FIOR	1	11., FIOIII	741	II., FIOIII	
9 GROUI	WAIEKI	AL: Neat cement 2 ft. to 25	Cement grout V Ber		Juner	A +-	Δ
		ole contamination:	It., FIOIII		11., FIOIII	11. 10	11.
Septic		☐ Lateral Line	es 🔲 Pit Privy		Livestock Pe	ns 🗆 Insect	icide Storage
Sewer		☐ Cess Pool	☐ Sewage Lag		Fuel Storage		loned Water Well
	ight Sewer L				Fertilizer Sto		ell/Gas Well
Other (	Specify)					•	
Direction fro	om well?		Distance from we	11?			
10 FROM	TO	LITHOLO	GIC LOG	FROM		LITHO. LOG (cont.) c	or PLUGGING INTERVALS
0	5	no sample		64	65	shale gray	
5	14	silty clay brown					
14	28	sand and gravel brow	n				
28	36	sand and gravel with			1		
36	47	sandy clay gray					
47	51	silty clay gray					
51	59	sand F-M gray		Notes:	*.,,		
59	63	shale gray					
63	64	limestone					
11 CONT	RACTOR'	S OR LANDOWNER'S	S CERTIFICATION	: This water	er well was l	constructed, rec	onstructed, or plugged
under my i	urisdiction	and was completed on (n	09/06/20 (no-day-year	0.1,6 and	this record i	s true to the best of n	ny knowledge and belief.
Kansas Wa	ter Well Co	ontractor's License No	779 This Wa	ter Well Re	cord was con	npleted on (mo-day-y	year) .06/28/20.17
under the b	usiness nar	ne of Drill-Well, LLC					***********
Va D	mont of IItit	Send one copy to WATER W					
		and Environment, Bureau of Vneks.gov/waterwell/index.html	valer, Geology Section, 100	JU D W JACKSOF	ı ə., əune 420,	Topeka, Maiisas 00012-13	KSA 82a-1212
v isit us at n	mp.//www.KQ!	icks.gov/ watci weii/iliuex.iilmi					130/1 044-1414

			Resch	ke West 2					
WA	TER	WEL	L RECORD	Form W	WC-5	Division	n of Water	Resources App. N	0.
1	LOCA		OF WATER WELL:	Fraction NW ¼ NW ¼ SW		Section N	umber	Township No. T 2 S	Range Number
			ddress of Well Location;			1		System (GPS) in	nformation:
			own or intersection: If at			Latitude: .	39.910	1.9	(in decimal degrees)
			& 280th St, about 6/10 l			Longitude	<del>:: -</del> 95.510	670	(in decimal degrees)
	1 10111		2 200til 01, about 0, 10 .			Elevation:			
-	WAT	TD WE	LL OWNER: .jerry &	Jana Dasables				I, 🗹 NAD 83, 🗀	J NAD 27
2			ddress, Box #: 1515 32	Jane Reschke		Collection CPS 1	<u>Metnod:</u> unit (Mak	<sub>e/Model</sub> . Garmin	12xl
		State, Z	- a 1	na, KS 66434		Digita 🔲 🗎	al Map/Pho	oto, 🔲 Topographi	ic Map,  Land Survey
_	LOCA	TE WEI				Est. Accur	acy: [ ] <.	3 m, 🗸 3-3 m, 🔼	] 5-15 m,
3		AN "X"	IN 4 DEPTH OF	COMPLETED WELI	լ 84		ft.		
		ION BO	K: Depth(s) Ground	iwater Encountered IC WATER LEVEL?	(1).50	ft.	(2).72	ft. (	(3) ft.
1		N	WELL'S STAT	IC WATER LEVEL?		below land	surface n	neasured on mo/d	lay/yr05/02/2010
				test data: Well water	r was, QU.V	ft. afte	erl.:2	hours pum	ping. 400 gpm
İ	NW	X <sub>NI</sub>	3 I I	50gpm. Well water teter 3.2in. to .	`was R4 4	tt. atte	er :	hours pum	iping gpm
W				TO BE USED AS:					Injection well
			D Damantia	Feedlot T	Oil field wate	er supply	☐ De	watering $\square$	Other (Specify below)
	SW	SI	Irrigation						
			Was a chemical	bacteriological sample	submitted to	Departmen	it? 🔲 `		
		S		day/yr sample was sub					
		-1 mile	Water well disir	fected? 🔽 Yes 🗌	No				
5	TYPE	OF CA	SING USED: Stee	I 🗹 PVC 🔲 (					
C	ASINO	JOINT	S: 🗹 Glued 🔲 Clar	nped 🗌 Welded	☐ Threaded				
İ	Casing	g diamete	er .16 in to .84	ft., Diameter	in.	to	ft., D	iameter	in. to ft.
	Casing	height a	bove land surface20	in., Weight	.19.9	lbs./ft.,	Wall thic	kness or gauge N	lo
T			EN OR PERFORATION  Stainless Steel	MATERIAL:	_	Other (Spec	ie.)		
		Steel Brass	Galvanized Steel	None used (open h	ole)	Outer (Speci	11y ;	• • • • • • • • • • • • • • • • • • • •	
S	CREE	N OR PE	REFORATION OPENING	SS ARE:					
	$\Box$	Continuo	us slot 7 Mill slot	Gauze wrapped		Drilled 1	holes	☐ None (open ho	le)
		Louvered	shutter Key punched	☐ Wire wrapped L	Saw cut	U Other (s	specify)		
	CREEI 0.040	N-PERF	ORATED INTERVALS:	From	n, 10 <b>041</b> .	π.,	, From	.π	to ft.
1		CD A VII	EL PACK INTERVALS:	From 25	ft to 84		From		to ff
	0/10	OKA VI	SETACK HATEKANDS.						to ft.
6	GRO	UT MA	ΓERIAL: □ Neat cem	ent Cement grout	Bento:	nite 🔲 Of	ther		
G	rout Int	tervals:	From .5 ft. to		1	ft. to	ft.,	From	ft. toft.
w	hat is t	the neare	est source of possible cont	amination:				<del>-</del>	
1		Septic tai			☐ Livestock   ☐ Fuel storag		Insecticide	storage 🚺 Ot I water well	her (specify below)
		Sewer lin	les		Fertilizer s		Oil well/ga		:h
	Direc	tion from	n well North	····		from well	.40!		***********
FI	ROM	ТО	LITHOLOG	GIC LOG	FROM	TO L	ITHO. L	OG (cont.) <u>or</u> PL	UGGING INTERVALS
0		4	no sample		ļ				
4		25	clay silty brown						
25		50	clay sandy tan		<b> </b>				
50		59	sand & gravel						**
59		60	clay gray		<del>                                     </del>				
60		69	sand C		<del> </del>				
69		72	clay gray						
72		84	sand M gray		<del>                                     </del>		,		
84	-		clay gray		<del>                                     </del>		····		
-	CONT	TD A CT	OR'S OR LANDOWNE	R'S CERTIFICATIO	N: This wat	er well was	7 constr	ucted. $\square$ reconst	tructed, or [7] plugged
'	dor m	v inriedi	ction and was completed	on (mo/day/year) .03/3	0/2010 a	nd this recor	rd is true	to the best of my	knowledge and belief.
v	ancae Y	Water W	ell Contractor's License l	$\sqrt{5}$ 7.79 This	Water Well F	lecord was d	complete	Von (mo/davi/vea	r) <b>45/04/20</b> 10
	ndar th	e husine	ss name of Drill-Well, L	<u>,LC</u>		by (sign:	ature	March W. h.	
TN	CTDIIC	TIONS.	He typewriter or hall point ne	n. <i>PLEASE PRESS FIRML</i>	Y and <i>PRINT</i> cl	eariv. Picase 1	fill in blank	s and check the corre	ect answers. Send three copies
(W	hite, blu	ue, pink) t	o Kansas Department of Health	n and Environment, Bureau TER WELL OWNER and	or water, Geol	ogy Section, I your records	Include fe	e of \$5.00 for each	constructed well. Visit us at
ht	tp://wwv	v.kdheks.g	ov/waterwell/index.html.						
	A 82a-					Check	k: 🛛 W	hite Copy, 🔲 B	llue Copy, 🔲 Pink Copy

			Resch	ke East 1					
V	VATER	WEL	L RECORD	Form W	VC-5	Divis		r Resources App. N	0.
	LOCA		OF WATER WELL:	Fraction NW ¼ NE ¼ SW	14 NE 14		Number 4	Township No. T 2 S	Range Number R \$17
-	Street/	Rural A	ddress of Well Location;	f unknown, distance &	direction			System (GPS) in	nformation:
	from n	earest to	own or intersection: If at	owner's address, check	here .	Latitude	e:39,909	7.1	(in decimal degrees)
	From	HY73 8	& 280th St, about 3/4 E	ast & 1/4 South		Longitu	ıde: <del>.9</del> 5.5].	482	(in decimal degrees)
			•			Elevation	on:	1, 🗹 NAD 83, 🗀	 1 MAD 22
Η,	2 WAT	ER WE	LL OWNER: Jerry &	Jane Reschke		Collection	on Method:		
Ι΄			ddress, Box #: 1515 32			☑ GP	S unit (Mak	e/Model: Garmin	12xl
	City, S	State, ZI		na, KS 66434		Est. Acc	gital Map/Ph :uracy:   <	oto, 🔲 Topographi 3 m, 🔽 3-5 m, 🗀	ic Map, $\square$ Land Survey 3-15 m
-	3 LOCA	TE WEI	L _		70				
		AN "X"	IN 4 DEPTH OF	COMPLETED WELL	ء .(۲۲ 30 مار کار	 Α	(2)	Α .	(3) ft.
١	SECT	ON BOX	WELL S GLOUNG	Iwater Encountered IC WATER LEVEL3	1.1 A	below la	nd surface r	measured on mo/d	lav/vr. 05/02/2010
		<del></del>	Pump	test data: Well water	was. 52.9	ft. 8	after1,5	hours pum	ping. 400 gpm
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Xu	EST. YIELD. 4	50gpm. Well water	was	ft. a	fter	hours pur	nping gpm
١	w   NW	//	Bore Hole Diam	eter 30in. to .7	′.8f	t., and	in.	to	.ft.
	·	$\dashv$	WELL WATER	TO BE USED AS:	Public wat	er supply	☐ Ge	othermal 🔲	Injection well
	SW	SI		☐ Feedlot ☐ G	Oil field water	r supply	U De	watering	Other (Specify below)
			W Irrigation	☐ Industrial ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Domestic-lav	vii & garu Denarim	ent?	Ves <b>V</b> I No	
١	<b></b>	S	Was a chemical	/day/yr sample was sub	mitted	Departin	юн: Ц	103 61140	
		1 mile		fected? <b>Y</b> Yes					
	5 TYPE	OF CA	SING USED: Stee	I 🗹 PVC 🗌 🤇	Other			****	
	CASING	TIMINI	'S • 17 Glued □ Clau	nned 🗌 Welded	☐ Threaded			•	
1	Casing	diamete	er 16 in to 78	ft., Diameter	in.	to	II., D	lameter	in. to it.
l	Casing	height	above land surface. 20 EN OR PERFORATION	in., weight	.!?	IDS./IT.,	, wan uno	ckness or gauge N	NOY.X.Y
		r SCRE Steel	EN OR PERFORATION  Stainless Steel	PVC		Other (Sr	ecify)		
	Πı	Brass	Galvanized Steel	None used (open h	ole)		• •		
Ì	SCREEN	N OR PE	ERFORATION OPENING	GS ARE:	<b>-</b>				, ,
-	<u> </u>	Continuo	us slot  Mill slot  Shutter  Key punched	Gauze wrapped	I Torch cut		ed noies r (specify)	None (open no	ole)
	SCDEEN	Louvered M_PFRF	ORATED INTERVALS:	From 58	ft. to78		ft., From	ft.	. to ft.
1	0.0	140		From	ft. to		ft., From		. to ft.
	8/16	GRAVI	EL PACK INTERVALS:	From. 25	ft. to7.8	· · · · · · · · · · · · · · · ·	ft., From	ft	. to ft.
L				From	ft. to		ft., From	ft	. to ft.
I			TERIAL: Neat cem	ent Cement grout	Bento:	nite 📙	Other		ft. toft.
1	Grout Int	tervals:			1	и. ю		, FIOIR	II. W
1		he neare Septic ta	est source of possible cont	nes Pit privy	Livestock	oens [	Insecticide	e storage 😿 Ot	ther (specify below)
1	H	Sewer lir	nes 🗍 Cesspool	Sewage lagoon	Tuel storag	je [	Abandone	d water well	Į.
١	П	Watertig	ht sewer lines    Seepage		Fertilizer s		Oil well/g		
-			n well .NE		FROM	TO TO			UGGING INTERVALS
1	FROM	TO	LITHOLOG	JIC LOG	I ICOM		1/1110.1/	CG (cont.) of FL	COUNT HAIDKAND
+		4 17	no sample clay silty brown		<del>  </del>	<del></del>	<del></del>		
+		24	sand F						
+	24	30	clay sandy tan						
+		50	sand F-M						
İ	50	72	sand F-C						
7	72	76	clay gray		<b> </b>				
1	76	77	sand F-M		<del>                                     </del>				
٦	77	78	clay gray						
			ONLO OR TANKS	DIO OPPOREZATO	N. This	ar wall	ac [7] acres	musted Decomo	tructed or I always
	7 CONT	RACT	OR'S OR LANDOWNE ction and was completed	n (moldaylyson) 02/0	13/2010 -	oi well W nd this re	cord is true	to the best of ma	huolou, or LJ plugged Knowledge and helief
	under m	y jurisdi Voter W	ction and was completed [ell Contractor's License]	on (morally year) . When	Water Well F	tecord w	as complete	on (mo/day/v	r) 05/04/2010
	1 41	- haraima	og nama of Drill-Well, I	LC		bv (si	gnature		
	VA COUNTY VIC	YELLANIC.	Hen tenevisites or hell point ne	m PLEASE PRESS FIRML	<i>Y</i> and <i>PRINT</i> cl	eariv. Piea	se fill in blanl	ks and check the corr	ect answers. Send three copies
	c 4 % + 4 %		- Vancor Descriment of Healt	h and Environment Kureau	of Water Geol	ORV Section	n. 1000 SW J	ackson Sky Suite 420	), Topeka, Kansas 66612-1367. constructed well. Visit us at
	lelephone http://www	785-296- v.kdheks =	ov/waterwell/index.html.	TER WELL OWNER did	. Junii Olio IOI				
ļ	KSA 82a-					Ch	eck: 🔀 W	/hite Copy, 🔲 E	Blue Copy, 🔲 Pink Copy

GRQ.	OUD IKKIGATION CV.		- £ 17=20	# 46708
BRANCH	NORTH BEND		7-12000	
			T rilet	# 46708
DATE	5/14/2007		Log	6
PHONE	785-742-7277			
NAME	Jerry Reschke (Clarence Wilson)			
ADDRESS	Contracting was the design	3 TWN 2 RO	TR 17 Flow	1090' 1090
	Hiawatha KS 66434	(COCATE TEST WITH X)	JE / / A /C /	. 1090' 1090 163 - 70 5 W.L 9 2 7 1020'
				927 1030
		FEET FROMLIN	NE	
		FEET FROMLIN	NE.	
		Test Hole # 1	<del></del>	
FOOTAG	E Top Soil	Description	SWL - 70	,
6 1	18 Brown Clay			
18 2 22 22.2	22 Tan Clay 25 Rock Layer			
	Fine/Medium Br			
	<ul><li>Fine Tight Brow</li><li>Hard Layer</li></ul>	n Sand		
63	77 Medium Sand /	Fine Gravel		
77 77.25		own Sand		
101 1	13 Medium Sand /	Fine Gravel		
113 11 119 10		Gravel Some Medium Sand - Gray, N	ice	
163 10				
165	All sands & Gra	ivel took water	<del></del>	
		77 - 100 & 115-119		
	Should make nic	ce well		
DRILLER	Tracy McConnell  Kosie Nel			_
2/	an funt 11	a=4h		,
حر رکھ	yo reel mi			Ø
	90 Feet No			SCAIWHED
				Ę.
5,21	0 Feet We	'5 T		Ü
	o F	r of 3-2-		WATER RESOURCES
- 11	eart norme	, of 3-2-	17	RECEIVED
50 uth	easy ('U'''		RECEIVED	OCT 0 5 2007

RECEIVED

OCT 0 5 2007

KSDEPTOFAGRICULTURE

NOV 09 2007

TOPEKA FIELD OFFICE DIVISION OF WATER RESOURCES

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				251		ą		8			7	И	2	9	9	Ŷ	1		33	2	×	2		4	2	_			į.	93	-			ã		۰	÷																	

BABCOCK SALES

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GE	02	)

GM(	JACH IRRIVATION CO.		
BRANCH	NORTH BEND		
DATE	5/14/2007		
PHONE	785-742-7277	×	
NAME	Jerry Reschke		
	(Ken Babcock)		

Log 10 Appl. 46707

**ADDRESS** 

DRILLER

Tracy McConnell

Kosle Nel

1515 - 320th Street SEC Higwatha, KS 664734

3 TWN 25 RGE 17E (LOCATE TEST WITH X)

FEET FROM LINE

FEET FROM \_\_\_\_LINE

Sur. Elev - 1/03' 158' 945'

		Test Hole #1 NW cor of SE
FOOT.	AGE	Description
0	3	Black Top Soil
3	5	Brown Clay
5	9	Tan Clay
9	23	Tan & Brown Clay
23	24	Hard Layer
24	54	Fine Brown Sand
54	70	Fine Brown Sand - A Little Coarser than Above
70	71	Hard Layer
71	78	Fine Sand
78	84	Fine Gravel
84	105	Fine Sand
105	120	Coarse Brown Sand & Fine Gravel
120	130	Medium Brown Gravel
130	158	Fine Blue Sand
158	170	Rlue Clay w/ Rocks
170		
		Took Water in the Sands & Gravels
		Rocks From 100' to 130'

158' 72' SWL 86' Sal. Thick. 86' Sd

Sec 3, T25, RITE

RECEIVED

NOV 09 2007

TOPEKA FIELD OFFICE DIVISION OF WATER RESOURCES

WATER RESOURCES D

OCT 05 25

KS DEPT OF AGRICULTURE



WATER WELL RI	ECORD Form W	WC-5 1350	114 <sub>Div</sub>	sion of Wate	r 47,392	#1 - North
✓ Original Record	Correction	in Well Use		urces App. N	lo.	Well ID
1 LOCATION OF WA County: Brown		Fraction SW ¼ SW ¼ SW ¼		tion Numbe 2	Township Number	Range Number R 17 🛛 E 🔲 W
2 WELL OWNER: La	st Name:	First:	Street or Rui	al Address	where well is located (i	f unknown, distance and
Business: Public Whol Address: 110 N. Com	lesale Water Supply Distr				intersection): If at owner's	
Address:	140				miles South of Pador ection at 280th St. and	nia. 2,385' South and did Mulberry Rd.
City: Powhattan  3 LOCATE WELL						
WITH "X" IN	4 DEPTH OF COMP Depth(s) Groundwater En	PLETED WELL: .	149 ft. D &	5 Latiti	ıde: 95.907300	decimal degrees)
SECTION BOX:	2) ft. 3)	ft., or 4)	Dry Well	Datum	n: □ WGS 84 ☑ NAD	83 $\square$ NAD 27
N	WELL'S STATIC WATE	ER LEVEL:	)ft.	Source	e for Latitude/Longitude:	
	<ul><li>✓ below land surface, n</li><li>✓ above land surface, n</li></ul>	neasured on (mo-day- neasured on (mo-day-	yr)vr)	<b>Z</b> IG	PS (unit make/model:	armin/Dakota 10)
NW NE	Pump test data: Well wat	ter was		I	and Survey  Topograp	
W E	after24 hours p	oumping 325f ter wasf	gpm		nline Mapper:	
SW SE	after hours p	oumping			1000	
	Fetimated Vield: 325	anm		6 Eleva	tion:ft.	<ul><li>☑ Ground Level ☐ TOC</li><li>PS ☐ Topographic Map</li></ul>
S 	Bore Hole Diameter:	in. to149 in. to		Source	Other KOLAR	
7 WELL WATER TO	BE USED AS:			I.		
1. Domestic:	<ol><li>Public Wate</li></ol>	r Supply: well ID#	1 - North		il Field Water Supply: lea	
☐ Household ☐ Lawn & Garden		how many wells? harge: well ID			Hole: well ID ased □ Uncased □ Go	
Livestock		well ID		12. Geot	nermal: how many bores?	***************************************
2. Irrigation		Remediation: well II		a) C	osed Loop	Vertical
<ul><li>3. ☐ Feedlot</li><li>4. ☐ Industrial</li></ul>	☐ Air Sparge ☐ Recovery	☐ Soil Vapor I☐ Injection	extraction		ther (specify):	
<del></del>	iological sample submit	-	Yes 🔽 No			walling to the same of the sam
Water well disinfected?	✓ Yes □ No					
8 TYPE OF CASING	USED: ☑ Steel ☐ PVC	☐ Other	CASII	NG JOINTS	: Glued Clamped	✓ Welded ☐ Threaded
Casing diameter!	in. to	Diameter!4 Weight	in. to!.!:	π., Dian Wall thicl	neter	II.
TYPE OF SCREEN OR	PERFORATION MAT	ERIAL:				
	less Steel		1 ( 11.		her (Specify)Stair	ness v-vvire
	anized Steel ☐ Concre ATION OPENINGS AR		sed (open hole	;)		
Continuous Slot	☐ Mill Slot ☐ Gau	ize Wrapped 🔲 To			Other (Specify)	
Louvered Shutter	☐ Key Punched ☐ Wir ED INTERVALS: From	re Wrapped Sa	w Cut \[ \] N	Ione (Open I 119	Hole) o 149 — From	ft to ft
GRAVEL PAC	CK INTERVALS: From CK INTERVALS: From	60 <sub>ft to</sub> 108	ft., From .	108 ft. t	o . 149 ft., From	ft. to ft.
9 GROUT MATERIA	L: Neat cement	Cement grout 7 Be	ntonite $\square$	Other		
	5 ft. to 25	ft., From . 25	ft. to60.	ft., From	ft. to	ft.
Nearest source of possible  Septic Tank	e contamination:  Lateral Lines	☐ Pit Privy		Livestock Po	ens 🔲 Insectici	de Storage
☐ Sewer Lines	☐ Cess Pool	☐ Sewage La	goon 🔲	Fuel Storage		ned Water Well
☐ Watertight Sewer Lin	nes	☐ Feedyard		Fertilizer St	orage	l/Gas Well
Direction from well?		Distance from w	ell?		ft.	į
10 FROM TO	LITHOLOG		FROM	TO	LITHO. LOG (cont.) or	PLUGGING INTERVALS
Attached Attached A	Attached					
	***************************************					
			Notes:			
				11		
11 CONTRACTOR'S	OR LANDOWNER'S nd was completed on (mg	CERTIFICATION Deday-year) 11/16/2	N: This wate	r well was this record	✓ constructed, ☐ reconstructed, ☐ reconstructed,	nstructed, or \( \square\) plugged \( \text{knowledge and belief.}
l Kansas Water Well Cor	ntractor's License No. 🎎	22 This W	ater Well Re	cord was co	mpleted on (mo-day-ye	ar) .V9/.1./.4V.17
under the business name	e of Sargent Drilling Send one copy to WATER WE	II OWNER and retain	one for your rec	ords Fee of \$	5 00 for each constructed wel	I.
KS Department of Health a	and Environment, Bureau of W	ater, Geology Section, 16	000 SW Jacksor	St., Suite 420	, Topeka, Kansas 66612-136	7. Telephone 785-296-3565.
	ks.gov/waterwell/index.html					KSA 82a-1212

Form	WWC5	
Contractor	Sargent Drilling	
Well Owner		
Doc ID	1350114	

Litholgy

Littloigy		
Factor		
0	2	Top Soil
2	12	Brown, Gray Clay
12	20	Yellow, Gray Clay
20	23	Brown Sand
23	28	Yellow, Gray Clay & Limy Layers
28	36	Fine Brown Sand
36	37	Yellow, Gray Clay, Boulders, Limy
37	38	Fine to Coarse Brown Sand
38	57	Fine Tan Hard Sand
57	62	Fine to Coarse Brown Sand & Some Loose Cemented Layers
62	80	Fine Brown Sand & Some Firm Clay
80	92	Fine to Medium Brown Sand
92	93	Boulder
93	96	Fine to Medium Brown Sand
96	101	Fine to Medium Brown Sand & Cemented Sand
101	107	Fine to Medium Rusty, Brown Sand
107	110	Fine to Medium Brown Sand
110	120	Fine to Coarse Brown Sand & Fine Gravel

5 W/

Form	WWC5
Contractor	Sargent Drilling
Well Owner	
Doc ID	1350114

# Litholgy

		ediploidants service
120	153	Very Fine Gray Sand & Some
		Gray Clay

EW7 1070 **Precision Farms** 2021-10-22 21-1 "best spot" N 39 54' 19.5" W95 28' 32.5" 5-25 silty clay brown 25-29 sand F-C brown 29-30 sandy clay brown 30-35 sand F-M brown with clay layers 35-45 sand F-M brown 45-50 sand F-M brown with clay layers 50-55 sand F-C brown 55-60 sand M-vc brown 60-70 sand F-C brown 70-75 sand and gravel brown 75-78 sand M-VC brown 78-97 silty clay gray 97-105 silty clay grayish brown 105-110 sand stone gray 110-119 shale gray 119 limestone lost water from 50-78 SWL 14'? EW8 21-2 650' east of 21-1 1071 N 39 54' 18.6" w 95 28' 24.2" 5-14 sandy clay brown 14-19 silty clay brown 19-41 silty clay gray 41 limestone 21-3 along North fence 500' north of 21-1 N 39 54' 24.4" W95 28' 32.5" 5-23 silty clay brown 23-34 sandy clay brown 34-38 sand F-M cemented 38-46 hard clay brown 46-50 sand VF-M brown 50-55 sand F-M brown with clay layers 55-65 sand F-M brown 65-90 sand VF-M brown with clay layers 90-101 sand F-M brown with clay layers 101-103 shale black 103-115 shale gray stopped

			Patto	n 11-01					
W A	TER	WEL	L RECORD	Form W	WC-5	Divi	sion of Wate	r Resources App. N	0.
1	LOCA		OF WATER WELL:	Fraction NW 1/4 SW 1/4 SW	¼ NW ¼	Section	Number 6	Township No. T 2 S	Range Number R 18
	Street/	Rural A	ddress of Well Location;	f unknown, distance &	direction	Global	Positioning	System (GPS) in	formation:
	from n	earest to	own or intersection: If at	owner's address, check	here .	Latitud	le:39,908	0830	(in decimal degrees)
	1/3 m	nile sout	h of 280th St & plumtre	e Rd		Longiti	ude: 727/112 on:		(in decimal degrees)
						Datum:	□ WGS 84	4, 🗹 NAD 83, 🗌	NAD 27
2			LL OWNER: Ryan P			Collecti	on Method:		
			ddress, Box #: 1974 2			Kar	PS unit (Mak	te/Model: .Ya!!!!!!!	12xl ) c Map,  Land Survey
	City,	State, Zl	P Code : Hiawath	na, KS 66434		Est. Acc	curacy: $\square$	3 m, 🗹 3-5 m, 🗆	5-15 m, $\square$ >15 m
3	LOCA	TE WE	ıL		00				
		AN "X"	IN 4 DEPTH OF	COMPLETED WELL iwater Encountered	, 05	Δ	tt.	Α	γ2) Α
	SECT	ION BOX	WELL'S STAT	IC WATER LEVEL4	3 n	helow la	nd surface i	measured on mo/d	av/vr
Ì		1 1	Pump	test data: Well water	r was	ft. :	after	hours pum	ping gpm
l	עונא	NI		5gpm. Well water					
w'	kΪ		E   Bore Hole Diam	leter 1.4in. to .5					
		- +	Domostic	TO BE USED AS:					Injection well Other (Specify below)
	SW	SI	Irrigation						
		1 1	Was a chemical	/bacteriological sample	submitted to	Departn	nent?	Yes 🗹 No	
		S		day/yr sample was sub					
	•	·1 mile	Water Well dish	nfected? 📝 Yes 🔲					
5	TYPE	OF CA	SING USED: Stee		Other		***************	*****	
1	Casina	diamate	S: 🗹 Glued 🔲 Clauer .8in. to .89	ft Diameter	in.	to	ft D	iameter	in. to ft.
	Casing	height :	above land surface24	in., Weight	7.07	lbs./ft.	, Wall this	ckness or gauge N	lo0.41"
Т	YPE O	F SCRE	EN OR PERFORATION	MATERIAL:					1
		Steel	☐ Stainless Steel ☐ Galvanized Steel	PVC None used (open h	ole)	Other (Sp	pecify)		
S	יום CREE	Brass VOR PE	ERFORATION OPENING	GS ARE:					
		Continuo	us slot 🖊 Mill slot	Gauze wrapped	Torch cut	Drill	led holes	None (open ho	le)
		Louvered	shutter Key punched ORATED INTERVALS:	Wire wrapped L	_I Saw cut Prior 89	Otne	r (specify)	<del></del>	to ft
8				From	ft. to		ft., From		to ft.
l		GRAVI	EL PACK INTERVALS:	From. 25	ft. to89		. ft., From	ft.	to ft.
				From	ft. to		ft., From	ft.	to ft.
			TERIAL: Neat cem	ent $\square$ Cement grout	Bento	nite ∐ fito	Other	From	ft. toft.
Gi	hat is t	tervals:	est source of possible cont		1	11. 60	**********		
"		Septic ta	ık 🔲 Lateral li	nes 🔲 Pit privy	Livestock		Insecticid		her (specify below)
		Sewer lir	es Cesspool		☐ Fuel storag ☐ Fertilizer s		☐ Abandone ☐ Oil well/g		ıd
	Direc	Watertigi	nt sewer lines Seepage n well West	pitrecuyatu					
FI	ROM	ТО	LITHOLOG	GIC LOG	FROM	TO	LITHO. L	OG (cont.) or PL	UGGING INTERVALS
0		4	no sample						
4		11	clay silty brown						
11		21 30	clay sandy brown		<del> </del>				
30		43	clay gray clay sandy brown	<del></del>	<del>                                     </del>				
43		83	sand VF brown						
83		88	gravel						
88		89	shale olive		<b> </b>				
_					<del>  </del>				
1-7	CONT	DACT	OR'S OR LANDOWNE	R'S CERTIFICATIO	N: This wat	er well w	as 🖊 const	ructed, $\square$ reconst	ructed, or plugged
١	adar m	v inviedi	ction and was completed	on (mo/day/year) .95(9	6/2011 a	nd this re	cord is true	to the best of my	knowledge and belief.
1 1/	i	Makan W	all Contractor's I icense	υ <sub>ο</sub> 779 This '	Water Well F	≀ecord w	as complete	d⊶nn (mo/dav/veAr	r) U3/43/4011
<del> </del>	COMPLET C	YELONIC.	ss name ofDrill-Well  Use typewriter or ball point pe	DIFASE PRESS FIRMI.	Y and <i>PRINT</i> cl	early Plea	se fill in blan	es and cheate the corre	ect answers. Send three conies
1 /	Air bis	minki i	o Kancas Department of Healt	h and Environment Bureau	of Water, Geol	logy Sectio	n. 1000 SW J	ackson Sw. Suite 420	. 10pcka, Kansas 66612-1367.
Ť	elenhone	785-296-	5522. Send one copy to WA	TER WELL OWNER and	retain one for	your record	ds. Include <u>f</u> i	ee of \$5.00 for each	constructed well. Visit us at
	tp://wwv A 82a-		ov/waterwell/index.html.			Ch	eck: XW	hite Copy, 🔲 B	lue Copy, Pink Copy



WATER WELL R		Divis	sion of Water						
✓ Original Record □			irces App. No						
1 LOCATION OF W.		1	ion Number						
County: Brown	1/4 1/4 1/4		5	T 2 S R 18 Z E W					
2 WELL OWNER: La				where well is located (if unknown, distance and					
Business: City of Hiaw	- Ct			ntersection): If at owner's address, check here:					
Address: 701 Oregor Address:	11			th and Prairie Rd, travel 1/4 mi north. Well					
City: Hiawatha	State: KS ZIP: 66434 i	s on east sid	de of road.						
3 LOCATE WELL	A DEPOSITOR COMPLETED WELL.	104 Δ	5 T 4'4	de: 39.9030800 (decimal degrees)					
WITH "X" IN	4 DEPTH OF COMPLETED WELL: . Depth(s) Groundwater Encountered: 1)5.	(9 <del></del> 11 1 a	5 Latitu	rude: 95.4339330 (decimal degrees)					
SECTION BOX:	2) ft. 3) ft., or 4)	! 11. 1 Dry Well		WGS 84 ✓ NAD 83 ☐ NAD 27					
N	WELL'S STATIC WATER LEVEL: 29.	.8 ft.	1	for Latitude/Longitude:					
	☑ below land surface, measured on (mo-day-	yr) 04/04/2014	571 GP	S (unit make/model: Garmin )					
NW NE	above land surface, measured on (mo-day-	yr)		(WAAS enabled? ☐ Yes <b>☑</b> No)					
	Pump test data: Well water was ft			nd Survey  Topographic Map					
WE	after hours pumping		On On	line Mapper:					
SW SE	Well water was fi								
3W   3E	after hours pumping	gpm	6 Elevat	ion: 1011ft. ☑ Ground Level ☐ TOC					
S	Estimated Yield:gpm Bore Hole Diameter:9.5 in. to104	ft and	Source	Land Survey GPS Topographic Map					
mile	in. to	ft. and		☑ Other KOLAR					
7 WELL WATER TO	RE USED AS:								
1. Domestic:	5. ☐ Public Water Supply: well ID		10. □ Oil	Field Water Supply: lease					
☐ Household	6. ☐ Dewatering: how many wells?		11. Test H	ole: well ID Hiawatha 5" Well 14-02					
Lawn & Garden	7. Aquifer Recharge: well ID			sed 🗌 Uncased 🔲 Geotechnical					
☐ Livestock	8. Monitoring: well ID			ermal: how many bores?					
2.  Irrigation	9. Environmental Remediation: well II			sed Loop  Horizontal  Vertical					
3.  Feedlot	☐ Air Sparge ☐ Soil Vapor I	extraction		en Loop Surface Discharge Inj. of Water her (specify):					
4. Industrial	☐ Recovery ☐ Injection								
	iological sample submitted to KDHE?	Yes VINo	If yes, date	sample was submitted:					
Water well disinfected?	✓ Yes □ No	G L GD	IO IODITTO	Fig. 150 15 Will 5 The date					
8 TYPE OF CASING	USED: Steel V PVC USHer	CASIN	G JOINTS:	☑ Glued ☐ Clamped ☐ Welded ☐ Threaded					
Casing diameter	in. to 104 ft., Diameter surface 30 in. Weight	In. 10	II., Diaine	ness or gauge No. SDR21					
TVDE OF SCREEN OR	P DEPENDATION MATERIAL:	105./10.	Wan tineki	itess of gauge from					
TYPE OF SCREEN OR PERFORATION MATERIAL:         □ Steel       □ Fiberglass       □ PVC       □ Other (Specify)									
		sed (open hole		(-F3)					
	ATION OPENINGS ARE:								
` ☐ Continuous Slot	☑ Mill Slot ☐ Gauze Wrapped ☐ To			Other (Specify)					
☐ Louvered Shutter	☐ Key Punched ☐ Wire Wrapped ☐ Sa	w Cut 🔲 N	one (Open Ho	ole)					
SCREEN-PERFORATI	ED INTERVALS: From .94 ft. to .104.	ft., From	ft. to						
GRAVEL PAG	CK INTERVALS: From51 ft. to104	ft., From	ft. to	ft., From ft. to tt.					
9 GROUT MATERIA	AL: Neat cement Cement grout Be 5 ft. to .51 ft., From	ntonite	ther						
Grout Intervals: From		ft. to	ft., From .	п. то п.					
Nearest source of possibl	le contamination:  ☐ Lateral Lines ☐ Pit Privy	П.	Livestock Per	ns					
☐ Septic Tank☐ Sewer Lines	☐ Cess Pool ☐ Sewage La	_	Fuel Storage	Abandoned Water Well					
☐ Watertight Sewer Lir			Fertilizer Sto	rage					
☐ Other (Specify)									
Direction from well?	Distance from w	ell?		ft.					
10 FROM TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS					
	no sample								
	silty clay brown								
	silty clay yellowish brown								
	silty clay grayish brown	-							
	silty clay gray								
	sand F-M brown	Notes	<u> </u>						
	sand F brown	Notes:							
	sand F-M brown	-							
104   11 CONTRACTOR'S	limestone S OR LANDOWNER'S CERTIFICATION	V: This water	· well was L	☐ constructed, ☐ reconstructed, or ☐ plugged					
under my jurisdiction at	nd was completed on (mo-day-year) .03/14/2	014 and	this record i	s true to the best of my knowledge and belief.					
Kansas Water Well Cor	ntractor's License No. 779 This W	ater Well Rec	ord was con	s true to the best of my knowledge and belief.  npleted on (mo-day-year) 04/25/2014					
under the business name	e of Drill-Well, LLC								
VO Danast controlled	Send one copy to WATER WELL OWNER and retain	one for your reco	ords. Fee of \$5	.00 for each <u>constructed</u> well. Topeka, Kansas 66612-1367. Telephone 785-296-3565.					
	and Environment, Bureau of Water, Geology Section, 10 eks.gov/waterwell/index.html	JOO IS WY JACKSON	o, ouite 420,	KSA 82a-1212					
visit us at <u>nttp://www.kdne</u>	eks.gov/ water wen/ muex.mml			INTI ODG IDID					



WATER WELL I		1201	DIV	ision of Wate	I	Hiawatha 5" \			
✓ Original Record				urces App. N	<u> </u>	Range Number			
1 LOCATION OF V County: Brown	ATER WELL: Fraction SW1/4 SE1/4	SE 1/4		tion Numbe 5	T 2 S	R 18 ZE W			
2 WELL OWNER: I				-	where well is located (if				
Business: City of Hia			direction from r	nearest town or	intersection): If at owner's	address, check here:			
Address: 701 Orego					tion of 270th and Prair	ł			
Address:	g VC _ grp_ CC404		ຣເສກເກg at ເເ east. Well is			ie Nu, liavei /2 iiii			
City: Hiawatha	1			1					
3 LOCATE WELL WITH "X" IN	4 DEPTH OF COMPLETED W	ELL:	101 ft.	5 Latitu	de: 39.8998630	(decimal degrees)			
SECTION BOX:	Depth(s) Groundwater Encountered: 13			Longi	tude: 95.425775	0(decimal degrees)			
N N	2) ft. 3) ft.,	or 4) [	Dry Well		: ☐ WGS 84	3 □ NAD 27			
	WELL'S STATIC WATER LEVEL:  ✓ below land surface, measured on (1)	t.Tti	εν π. <sub>νεν</sub> 03/14/2014	Source	for Latitude/Longitude:	rmin )			
	above land surface, measured on (r				PS (unit make/model:Ga (WAAS enabled?   Y	es [7] No)			
NW NE	Pump test data: Well water was				and Survey Topograph				
W E	after hours pumping				nline Mapper:				
SW SE	Well water was								
	after hours pumping		gpm	6 Eleva	tion: 989ft. 🔽	d Ground Level ☐ TOC			
	Estimated Yield:gpm Bore Hole Diameter:9.5 in. to	101	ft. and		e: 🗌 Land Survey 🔲 GP	S 🔲 Topographic Map			
mile	in. to		ft.		Other KOLAR				
7 WELL WATER TO									
1. Domestic:	5. Public Water Supply: well			10. □ Oi	l Field Water Supply: lease	e			
Household	6. Dewatering: how many w				Hole: well ID Hiawatha 5				
Lawn & Garden	<ul><li>7. ☐ Aquifer Recharge: well II</li><li>8. ☐ Monitoring: well ID</li></ul>	D	• • • • • • • • • • • • • • • • • • • •		sed  Uncased  Geo ermal: how many bores?.				
☐ Livestock 2. ☐ Irrigation	9. Environmental Remediation:				osed Loop				
3. Feedlot			Extraction	b) O <sub>1</sub>	en Loop  Surface Disch	narge  Inj. of Water			
4. Industrial	Recovery Injec				her (specify):				
Was a chemical/bacte	riological sample submitted to KDH	Œ? □	Yes 7 No	If yes, date	sample was submitted:				
Water well disinfected	? ☑ Yes ☐ No				_				
O TOTAL OF CLASSIC	LICED. CO. LEIDUC CO.		CASII	NG JOINTS	: 🛛 Glued 🗌 Clamped [	☐ Welded ☐ Threaded			
Casing diameter5	surface Steel   PVC   Other 101 ft., Diameter 30 in. Weight		in. to	ft., Dian	neter in. to	ft.			
Casing height above land	surface in. Weight		lbs./ft.	Wall thick	ness or gauge No. SURZ				
TYPE OF SCREEN OR PERFORATION MATERIAL:         □ Steel       □ Steinless Steel       □ PVC       □ Other (Specify)									
		•	sed (open hole		ier (Specify)	***************************************			
	RATION OPENINGS ARE:	None	ised (open non	~)					
Continuous Slot	✓ Mill Slot ☐ Gauze Wrapped	□Тс	orch Cut 🔲 🗆	rilled Holes	☐ Other (Specify)				
☐ Louvered Shutter	☐ Key Punched ☐ Wire Wrapped	☐ Sa	w Cut 🔲 N	Vone (Open H	lole)				
SCREEN-PERFORAT	ED INTERVALS: From .9.1 ft. to	o .101	ft., From .	ft. to	ft., From	ft. to ft.			
GRAVEL PA	CK INTERVALS: From54 ft. to	<u> </u>	ft., From .	ft. to	ft., From	ft. to ft.			
9 GROUT MATERI	AL: Neat cement Cement grout ft. to .54 ft., From	<b>∠</b> Be	entonite 🔲 🤇	Other	Δ 4	Δ			
Grout Intervals: From	ft. to ft., From		п. to	π., From	п. то	II.			
Nearest source of possil  Septic Tank	Lateral Lines	Privv	П	Livestock Pe	ns 🔲 Insecticid	e Storage			
Sewer Lines		wage La		Fuel Storage	☐ Abandone	ed Water Well			
☐ Watertight Sewer L	ines	edyard		Fertilizer Sto	orage	Gas Well			
Other (Specify)	N:				Δ				
	Distance	from w		ТО	LITHO, LOG (cont.) or P	LUGGING INTERVALS			
10 FROM TO 0 5	no sample	~	FROM 61		sandy clay gray	POOCHLO HALEKAVEO			
5 10	silty clay dark brown		65		sand F brown				
10 22	silty clay dark brown		75		sand F-M brown with	some clav			
22 26	sandy clay light gray		80		sandy clay gray				
26 28	sand sand C-VC		82		sand VF-F brown				
28 42	sandy clay brown		100	101	shale				
42 46	silty clay brown & gray		Notes:			-			
46 54	sandy clay light gray								
54 61	sand VF-F brown								
11 CONTRACTOR'	S OR LANDOWNER'S CERTIFIC	ATIO	N: This wate	r well was	constructed, reconsist true to the bast of	structed, or plugged			
under my jurisdiction	and was completed on (mo-day-year) . ontractor's License No. 779	.Y.H.N.A Thie W	ייי. and ater Well Re	uns record	is itue to the dest of my maleted on (mo-day-yea	r) 04/25/2014			
under the husiness nar	ne of Drill-Well, LLC								
	Send one copy to WATER WELL OWNER at	nd retain	one for your rec	ords. Fee of \$:	5.00 for each constructed well.				
	and Environment, Bureau of Water, Geology S	ection, 10	000 SW Jackson	St., Suite 420,	Topeka, Kansas 66612-1367.	Telephone 785-296-3565. KSA 82a-1212			
Visit us at <a href="http://www.kdl">http://www.kdl</a>	neks.gov/waterwell/index.html					NOA 020-1212			

				atha 11-02					
			L RECORD	Form W	<u> </u>			Resources App. N	
			OF WATER WELL:	Fraction	1/ C\M 1/	Sectio	n Number 4		Range Number R 18
_	Count	y: Brov	vn .ddress of Well Location;	SW 1/4 SW 1/4 SW	direction	Clobal		System (GPS) in	
	Street	Kural A	own or intersection: If at o	n unknown, distance & wyner's address, check	here				(in decimal degrees)
				JWHOL S address, officer	пото [_].				(in decimal degrees)
	NE C	orner o	f 270th & Raccoon Rd.						
L			IX Y. OXYDYDD					1, ☑ NAD 83, □	NAD 27
1				-liawatha		Collect	ion Method:	/Modeli Garmin	12xl)
l	•	State, Z	m a 1	**			igital Man/Ph	oto. Topographi	c Map, Land Survey
	City,	Giaio, Z.	n codo · Hiawatr	na, KS 66434		Est. Ac	curacy: $\square$	3 m, 🛛 3-5 m, 🗌	5-15 m, □>15 m
1	3 LOCA				402				)
		(AN "X"	IN 4 DEPTH OF	COMPLETED WELL	, !!!!? (1) 27	Δ	tt.	Δ.	′2) <u> </u>
	SECT	ION BO N	X: Depth(s) Ground	iwater Encountered IC WATER LEVEL2	(1). <del>(</del> 8.8 +	helow I	(2) and curface t	neggired on mold	3)
	г 1		WELL S SIAI.	test data; Well water	· was	ft.	after	hours pum	pinggpm
l	'		TROTE ACTION	gpm. Well water	was	ft.	after	hours pum	pinggpm
١,	w   NW	N]	Bore Hole Diam	eter 6in. to	05f	t., and	in.	to	
	" —	+	WELL WATER	TO BE USED AS:	Public wat	er supply	y 🔲 Ge	othermal 🔲 🗎	njection well
	sw	SI		☐ Feedlot ☐ (	Dil field wate	er supply	De	watering []	Other (Specify below)
	* I		Irrigation	☐ Industrial ☐ ☐	Jomestic-lay	vn & gai	den M Mo	onitoring well	
	<u> </u>		Was a chemical	/bacteriological sample /day/yr sample was sub	suomitted to	Departi	пешт 📙	162 1/0	
	<b> </b>	S -1 mile	Water well disin	fected? 🔽 Yes 🔲	иниси No				
L								<del></del>	·
	5 TYPE	OF CA	SING USED: ☐ Stee S: ☑ Glued ☐ Clar	PVC C			***************	*****	
1	Casino	r diamet	er .2 in. to .103.	ft Diameter	in.	to	ft D	iameter	in, to ft.
ŀ	Casing	height:	above land surface24	in Weight		lbs./ft	., Wall thic	kness or gauge N	6. SDR21
	TYPE O	F SCRE	EN OR PERFORATION	MATERIAL:					
		Steel	Stainless Steel	<b>₹</b> PVC		Other (S	pecify)		**********
		Brass		None used (open he	ole)				
			ERFORATION OPENING us slot	Gauze wrapped	Torch cut	□Dril	led holes	☐ None (open ho	le)
		Louvered	shutter Key nunched	Wire wrapped	7 Saw cut	Oth	er (specify)		
l	SCREE	N-PERF	ORATED INTERVALS:	From 93 f	t. to103.		. ft., From	ft.	to ft.
l				From	t. to		. ft., From	ft.	to ft.
l		GRAVI	EL PACK INTERVALS:	From	II. 10	. i	ft From		to ft.
-	6 GROI	UT MA	TERIAL: Neat cem	ent Cement grout	7 Bento	nite [	Other		
	Grout Int	tervals:	From .5 ft. to	50 ft, From		ft. to	ft.,	From	ft. toft.
	What is t	he near	est source of possible cont	amination:				,	·
		Septic ta			Livestock		☐ Insecticide ☐ Abandone		her (specify below)
	님	Sewer lin	nes	Sewage lagoon	Fuel storag		Oil well/g		ıd
1.	Direc	tion from	n well West	**************************************		from we	ai5'		*****************
-	FROM	TO	LITHOLOG	HC LOG	FROM	TO	LITHO. L	OG (cont.) <u>or</u> PL	UGGING INTERVALS
$\vdash$		4	no sample		1			<del></del>	
	4	27	clay sandy brown		<b> </b>				
	27	86	sand F-M brown with s	<u>some intermittent clay</u>					
+	86	90	gravel with some clay		<del> </del>				
+	90	102	sand & gravel brown shale light gray				,		
+	102	105	Shale light gray		<del> </del>				
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ľ	7 CONT	CRACT	OR'S OR LANDOWNE	R'S CERTIFICATIO	N: This wat	er well v	vas 🛛 const	ructed, $\square$ reconst	ructed, or   plugged
	under m	y jurisdi	ction and was completed	on (mo/day/year) .93/1.	1/49.1.1 a	nd this r	ecord is true	to the best of my	knowledge and belief.
1	Kansas '	Water W	ell Contractor's License 1 s name ofDrill-Well. L	NO I. (\$ This \ I. C.	water Well h	word W	as complete	( La / )	D .4x(4)((4x)(
+	THEFT	TTTOME.	The typewriter or hell point ne	n PLEASE PRESS FIRML	Y and <i>PRINT</i> cl	early. Ple	ase fill in blanl	cs and check the corre	ect answers. Send three copies
	Audite bla	winter a	o Vangas Danartment of Healt	and Environment Bureau	of Water, Geol	ogy Section	on. 1000 SW J	ackson St., Suite 420	. Topeka, Kansas 60612-136/.
	Telephone	785-296-	5522. Send one copy to WA gov/waterwell/index.html.	TER WELL OWNER and	retain one for	your reco	ras. Include <u>f</u> i	ee of \$5.00 for each	constructed well. Visit us at
ļ	nttp://wwv ∠SA 82a		50 VI Water Well Blues, Hull.			Cl	neck: 🗵 W	hite Copy, 🔲 B	lue Copy, 🗌 Pink Copy
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Both SURFACE WATER and GROUNDWATER The proposed point of diversion (geocenter) is approximately 3,000 feet from the nearest domestic well. The proposed appropriation meets well spacing criteria, Water Rights and Points of Diversion Within 2 miles of point defined as:

2374 Feet N and 1396 Feet W of the Southeast Corner of Section 2 Twp 25 Rng 17E pcr K.A. R. 5-4-4. Located at: 95.475725 West Longitude and 39.906117 North Latitude

<b>Δ</b> Ψ	A	ΑF	A	Same	Same	Same	AF	A	Same	Same	AF	A	Same	Same	Same	AF	A	AF	A	Same	Same	AF	A	****	AF	A	Unit	File
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An  $^{\star}$  after the source of supply indicates a pending application for change under the file number. An  $\star$  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

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

Water Rights and Points of Diversion Within 2 miles of point defined as:

Located at: 95.475725 West Longitude and 39.906117 North Latitude 2374 Feet North and 1396 Feet West of the Southeast Corner of Section 2 Twp 2S Rng 17E

Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:



### KANSAS DEPARTMENT OF AGRICULTURE

Mike Beam, Secretary of Agriculture

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

# APPROVAL OF APPLICATION and PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. 50,686 of the applicant

PRECISION FARMS 2595 GOLDFINCH RD HIAWATHA KS 66434

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 **December 8, 2021**.
- 2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

		NE	Ξ1/4			NV	V1/4			SV	V1/4			SE	Ξ1/4		
Sec. Twp. Range	NE1/4	NW1/4	W1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	TOTAL
2 - 2S - 17E													40	40	37	40	157

- 3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of two (2) wells with a geographic center located in the Northeast Quarter of the Northwest Quarter of the Southeast Quarter (NE½ NW½ SE½) of Section 2, more particularly described as being near a point 2,374 feet North and 1,396 feet West of the Southeast corner of said section, in Township 2 South, Range 17 East, Brown County, Kansas, located substantially as shown on the map accompanying the application.
- 4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800** gallons per minute (1.78 c.f.s.) and to a quantity not to exceed 157 acre-feet of water for any calendar year.
- 5. That installation of works for diversion of water shall be completed on or before <u>December 31</u>, <u>2024</u>, 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.

File No. 50,686 Page 2 of 4

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before <u>December 31, 2028</u>, or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

- 7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.
- 8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.
- 9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.
- 10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.
- 11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.
- 12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.
- 13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).
- 14. 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.
- 15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

- 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 rate of diversion approved under this permit is further limited to the rate, which combined with Appropriation of Water, File No. 50,509, will provide a **total not in excess of 800 gallons per minute** (1.78 c.f.s) from the point of diversion described herein.
- 18. 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.

Ordered this 27 day of December, 2022, in Manhattan, Riley County, Kansas.

Lane P. Letourneau, P.G. Water Appropriation Program Manager

Law P. Liloueneaus

Division of Water Resources
Kansas Department of Agriculture

State of Kansas ) ) SS County of Riley )

The foregoing instrument was acknowledged before me this 27 day of by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.

Notary Public

NOTARY PUBLIC - State of Kansas

KATIE N. ANDERSON

MY APPT EXPIRES 3-12-13

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



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

Mike Beam, Secretary

Laura Kelly, Governor

January 9, 2023

PRECISION FARMS 2595 GOLDFINCH RD HIAWATHA KS 66434

RE:

Appropriation of Water

File No. 50,686

Dear Sir or Madam:

Enclosed is a permit authorizing you to proceed with construction of the proposed diversion works and to appropriate water for beneficial use as set forth in the permit. Your attention is directed to the enclosures and to the terms, conditions, limitations, and requirements specified in this permit.

Notice must be filed on the enclosed form once the diversion works have been completed. Failure to complete the diversion works within the time allowed, or within any authorized extension of time thereof, will result in dismissal of this permit. If you need an extension of time, you must request it before the deadline for completion set forth in the permit. Any request for an extension of time must be accompanied by the statutorily required fee, which is currently \$100.00.

An acceptable water flowmeter must be installed on the diversion works authorized by this permit prior to using water. An annual water use report must be filed with the Chief Engineer by March 1, following the end of each calendar year. If a complete annual water use report is not received by the deadline, then a fine may be assessed and all water use under such permit or right may be suspended. Reports submitted in paper form will be assessed a \$20 per file number paper filing fee. In order to avoid this filing fee, you may submit your report online at <a href="https://www.kswaterusereport.org">www.kswaterusereport.org</a>.

The approval of your application constitutes a permit to appropriate water. It does not give authority to construct any dam or other stream obstruction regulated by K.S.A. 82a-301 through 305a. It does not give authority to access any right-of-way or authorize trespassing upon or injury to public or private property. It may also be necessary for you to comply with other local, state or federal requirements.

Enclosed is an informational sheet that sets forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your perfected water right. Additional information and applicable forms may be found on our website at <u>agriculture.ks.gov/dwr</u>. If you have any questions or need assistance with any of these requirements, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kristen A. Baum

New Application Unit Supervisor

Division of Water Resources

KAB:lhh Enclosure(s)

pc:

G & O INC

Topeka Field Office

#### 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 request an evidentiary hearing before the Chief Engineer, or 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 Division, 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 review 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.

#### CERTIFICATE OF SERVICE

On this 9 day of January , 2 Application and Permit to Proceed, File No. 50,686	2022, I	hereby	certify th	at the	foregoing	Approval	of
Application and Permit to Proceed, File No. 50,686	3, dated	27	Decen	nher	was ma	iled posta	ge
prepaid, first class, US mail to the following:			0 00 0		2022		

PRECISION FARMS 2595 GOLDFINCH RD HIAWATHA KS 66434

With photocopies to:

G & O INC 112 S 7TH ST HIAWATHA KS 66434

Topeka Field Office

Division of Water Resources