

**WATER WELL RECORD Form WWC-5**

Division of Water Resources App. No.

**R1S**

Original Record  Correction  Change in Well Use

Well ID

<b>1 LOCATION OF WATER WELL:</b> County: Atchison	Fraction NE ¼ NW ¼ ¼ ¼	Section Number 31	Township Number T 5 S	Range Number R 21 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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<b>2 WELL OWNER:</b> Last Name: <u>City of Atchison</u> Business: <u>City of Atchison</u> Address: <u>1801 Main Street</u> Address: City: <u>Atchison</u> State: <u>KS</u> ZIP: <u>66002</u>	First: _____ Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/> <u>1.1 Miles NNE of the intersection of River Road and Atchison Street, Atchison, Kansas</u>
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<b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b> N <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px;">NW</td> <td style="border: 1px solid black; padding: 5px;">NE</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">SW</td> <td style="border: 1px solid black; padding: 5px;">SE</td> </tr> </table> S  -----1 mile-----	NW	NE	SW	SE	<b>4 DEPTH OF COMPLETED WELL:</b> <u>77.5</u> ft. Depth(s) Groundwater Encountered: 1) <u>17.1</u> ft. 2) _____ ft. 3) _____ ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: <u>17.6</u> ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) <u>08-29-23</u> <input type="checkbox"/> above land surface, measured on (mo-day-yr) _____ Pump test data: Well water was <u>NA</u> ft. after _____ hours pumping _____ gpm Well water was _____ ft. after _____ hours pumping _____ gpm Estimated Yield: <u>NA</u> gpm Bore Hole Diameter: <u>6</u> in. to <u>78.5</u> ft. and _____ in. to _____ ft.	<b>5 Latitude:</b> <u>39.577810</u> (decimal degrees) <b>Longitude:</b> <u>-95.105421</u> (decimal degrees) Horizontal Datum: <input checked="" type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input checked="" type="checkbox"/> GPS (unit make/model: <u>Garmin eTrex 10</u> ) (WAAS enabled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No) <input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper: _____
NW	NE					
SW	SE					
		<b>6 Elevation:</b> <u>789</u> ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input type="checkbox"/> Land Survey <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other _____				

**7 WELL WATER TO BE USED AS:**

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID _____ 6. <input type="checkbox"/> Dewatering: how many wells? _____ 7. <input type="checkbox"/> Aquifer Recharge: well ID _____ 8. <input checked="" type="checkbox"/> Monitoring: well ID <u>R1S</u> 9. Environmental Remediation: well ID _____ <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease _____ 11. Test Hole: well ID _____ <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? _____ a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> Other (specify): _____
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Was a chemical/bacteriological sample submitted to KDHE?  Yes  No If yes, date sample was submitted: \_\_\_\_\_  
 Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other \_\_\_\_\_ CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter 2 in. to 57.5 ft., Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft., Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface 34 in. Weight 0.068 lbs./ft. Wall thickness or gauge No. Schedule 40  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) \_\_\_\_\_  
 Brass  Galvanized Steel  Concrete tile  None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 Continuous Slot  Mill Slot  Gauze Wrapped  Torch Cut  Drilled Holes  Other (Specify) \_\_\_\_\_  
 Louvered Shutter  Key Punched  Wire Wrapped  Saw Cut  None (Open Hole)  
 SCREEN-PERFORATED INTERVALS: From 57.5 ft. to 77.5 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From 53.5 ft. to 77.5 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other \_\_\_\_\_  
 Grout Intervals: From 53.5 ft. to 0 ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Nearest source of possible contamination:  
 Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage  
 Sewer Lines  Cess Pool  Sewage Lagoon  Fuel Storage  Abandoned Water Well  
 Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well/Gas Well  
 Other (Specify) \_\_\_\_\_  
 Direction from well? NA Distance from well? \_\_\_\_\_ ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	28	Clay			
28	77.5	Sand			
77.5	78.5	Shale Bedrock			

**Notes:**  
 Locking 4" steel protective casing installed and cemented in place

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) 8/29/2023 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 778 This Water Well Record was completed on (mo-day-year) \_\_\_\_\_ under the business name of Terracon Consultants, Inc. Signature \_\_\_\_\_

<b>OWNER:</b> City of Atchison, KS		<b>BORING/WELL I</b> River Line: OB #1 (R1S)		<b>PAGE</b> 1 <b>OF</b> 1 <b>PAGES</b>	
<b>LOCATION:</b> South Test Well Site			<b>SCREEN:</b> PVC		
			<b>DIAMETER:</b> 2-inch		<b>SLOT NO.</b> 0.02-inches
<b>DATE COMPLETED:</b> 8/29/2023			<b>SETTING:</b> 57.5 to 77.5 feet below ground		
<b>DRILLING COMPANY:</b> Terracon			<b>SAND PACK:</b>		
			<b>SETTING:</b> 53.5 to 77.5 feet below ground		
<b>DRILLING METHOD:</b> Rotary			<b>CASING:</b> 2-inch PVC		
<b>SAMPLING METHOD:</b> Split spoon with 2-inch or 3-inch sampler			<b>SETTING:</b> +2.83 to 57.5 feet below ground		
<b>OBSERVER:</b> Martha Silks			<b>SEAL TYPE:</b> bentonite pellet grout to surface		
<b>REFERENCE POINT:</b> Native ground surface			<b>DEVELOPMENT:</b> by pump		
<b>REFERENCE POINT ELEVATION:</b> 789.895 feet msl			<b>DURATION:</b> until discharge appears clear (minimum 3 casing volumes)		
<b>STICK-UP:</b> 2.83 feet					
<b>SURFACE COMPLETION:</b> Steel locking casing			<b>WATER LEVEL:</b> 19.26 feet below top of PVC casing		
<b>REMARKS:</b>			<b>YIELD:</b> na		

DEPTH IN FEET		Spl. Type (Rec.) / blow	GEOLOGIC DESCRIPTION
FROM	TO		
0	5	WB	clay, dark gray-brown
5	28	WB	AA
28	54.5	WB	sand, gray, medium to coarse
54.5	56.5	SS (6") / 5-5-8-8	sand, gray, very coarse to coarse, with medium sand
56.5	58.5	SS (10") / 7-7-7-5	AA
58.5	60.5	SS (7") / 4-9-7-10	sand, gray with multicolor small gravel, very coarse to medium with fine sand
60.5	64.5	SS (12") / 7-13-10-10	sand, gray, medium to coarse with fine sand
64.5	66.5	SS (6") / 9-12-12-10	top 3/4 of sample: sand, AA, bottom 1/4 of sample: sand, gray and black, fine to medium
66.5	68.5	SS (3") / 9-25-50/3"	AA
68.5	70.5	3"SS (8") / 7-8-9-7	sand, gray, very coarse to coarse to medium sand, with gravel
70.5	72.5	3"SS (10") / 11-22-35-8	sand, gray with some brown mottling, very fine to fine, with some very small black grains
72.5	77.5	WB	sand and boulders
77.5		WB	shale