

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

R2S

Original Record Correction Change in Well Use

Well ID

1 LOCATION OF WATER WELL: 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																																																													
2 WELL OWNER: Last Name: City of Atchison Business: City of Atchison Address: 1801 Main Street Address: City: Atchison State: KS ZIP: 66002			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"/> 1.1 Miles NNE of the intersection of River Road and Atchison Street, Atchison, Kansas																																																															
3 LOCATE WELL WITH "X" IN SECTION BOX: N <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"><tr><td style="width: 25%;">NW</td><td style="width: 25%;">NE</td></tr><tr><td style="width: 25%;">SW</td><td style="width: 25%;">SE</td></tr></table> S -----1 mile-----		NW	NE	SW	SE	4 DEPTH OF COMPLETED WELL: 69 ft. Depth(s) Groundwater Encountered: 1) 17.1 ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 15.5 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 08-30-23 <input type="checkbox"/> above land surface, measured on (mo-day-yr) Pump test data: Well water was NA ft. after hours pumping gpm Well water was ft. after hours pumping gpm Estimated Yield: NA gpm Bore Hole Diameter: 6 in. to 69 ft. and in. to ft.			5 Latitude: 39.577841 (decimal degrees) Longitude: -95.105532 (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: Garmin eTrex 10) (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																																																																				
6 Elevation: 788 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 R2S 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):																																																																					
Was a chemical/bacteriological sample submitted to KDHE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted:																																																																					
Water well disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																					
8 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2 in. to 49 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 30 in. Weight 0.068 lbs./ft. Wall thickness or gauge No. Schedule 40 TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous Slot <input checked="" type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) <input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole) SCREEN-PERFORATED INTERVALS: From 49 ft. to 69 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 44 ft. to 69 ft., From ft. to ft., From ft. to ft.																																																																					
9 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Other Grout Intervals: From 44 ft. to 0 ft., From ft. to ft., From ft. to ft. Nearest source of possible contamination: <input type="checkbox"/> Septic Tank <input type="checkbox"/> Lateral Lines <input type="checkbox"/> Pit Privy <input type="checkbox"/> Livestock Pens <input type="checkbox"/> Insecticide Storage <input type="checkbox"/> Sewer Lines <input type="checkbox"/> Cess Pool <input type="checkbox"/> Sewage Lagoon <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Abandoned Water Well <input type="checkbox"/> Watertight Sewer Lines <input type="checkbox"/> Seepage Pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer Storage <input type="checkbox"/> Oil Well/Gas Well <input type="checkbox"/> Other (Specify) Direction from well? NA Distance from well? ft.																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 10%;">10 FROM</th><th style="width: 10%;">TO</th><th style="width: 40%;">LITHOLOGIC LOG</th><th style="width: 10%;">FROM</th><th style="width: 10%;">TO</th><th style="width: 20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th></tr></thead><tbody><tr><td>0</td><td>24</td><td>Clay</td><td></td><td></td><td></td></tr><tr><td>24</td><td>69</td><td>Sand</td><td></td><td></td><td></td></tr><tr><td>69</td><td>69</td><td>Shale Bedrock</td><td></td><td></td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>										10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	24	Clay				24	69	Sand				69	69	Shale Bedrock																																							
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Notes: Locking 4" steel protective casing installed and cemented in place																																																																					
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-year) 8/30/2023 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																																																																					

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

OWNER: City of Atchison, KS		BORING/WELL NO. River Line: OB #2 (R2S)	PAGE 1 OF 1 PAGES
LOCATION: South Test Well Site		SCREEN: PVC	
		DIAMETER: 2-inch	SLOT NO. 0.02-inch
DATE COMPLETED: 8/30/2023		SETTING: 49 to 69 feet below ground	
DRILLING COMPANY: Terracon		SAND PACK:	
		SETTING: 44 to 69 feet below ground	
DRILLING METHOD: Rotary		CASING: 2-inch PVC	
SAMPLING METHOD: Split spoon with 2-inch or 3-inch sampler		SETTING: +2.42 to 49 feet below ground	
OBSERVER: Martha Silks		SEAL TYPE: bentonite pellet grout to surface	
REFERENCE POINT: Native ground surface		DEVELOPMENT: by pump	
REFERENCE POINT ELEVATION: 788.038 feet msl		DURATION: until discharge appears clear (minimum 3 casing volumes)	
STICK-UP: 2.42 feet			
SURFACE COMPLETION: Steel locking casing		WATER LEVEL: 19.42 feet below Top of PVC Casing	
REMARKS:		YIELD: na	

DEPTH IN FEET		Spl. Type (Rec.) / blow counts	GEOLOGIC DESCRIPTION
FROM	TO		
0	5	WB	clay, dark gray-brown
5	24	WB	AA
24	40	WB	sand, gray, medium to coarse
40	45	WB	AA with lignite
45	54.5	WB	sand, gray, medium-coarse
54.5	56.5	SS (10") / 5-8-8-10	AA
56.5	58.5	SS (7") / 6-2-6-11	AA
58.5	60.5	SS (7") / 9-9-6-5	AA
60.5	62.5	SS (7") / 6-6-6-6	sand, gray, medium and coarse, with fine sand and very small gravel
62.5	64.5	SS (8") / 6-8-9-9	sand, gray, coarse with medium sand, trace very small gravel
64.5	66.5	SS (8") / 9-10-12-22	sand, gray, medium and coarse, with fine sand, trace pea sized gravel
66.5	68.5	SS (3") / 50/3"	sand, gray, medium and fine, trace very fine sand and rocks
68.5	69.0	WB	boulders and sand
69.0			shale, gray