

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

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Well ID

R1N

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Atchison Fraction NE 1/4 NW 1/4 1/4 1/4 Section Number 31 Township Number T 5 S Range Number R 21 E W

2 WELL OWNER: Last Name: Business: City of Atchison Address: 1801 Main Street City: Atchison State: KS ZIP: 66002 Street or Rural Address where well is located: 1.1 Miles NNE of the intersection of River Road and Atchison Street, Atchison, Kansas

3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S 1 mile. 4 DEPTH OF COMPLETED WELL: 90 ft. Depth(s) Groundwater Encountered: 1) 17.4 ft. 2) ... ft. 3) ... ft., or 4) Dry Well. WELL'S STATIC WATER LEVEL: 17.7 ft. below land surface, measured on (mo-day-yr) 09-11-23. Pump test data: Well water was NA ft. after ... hours pumping ... gpm. Estimated Yield: NA gpm. Bore Hole Diameter: 6 in. to 90 ft. and ... in. to ... ft. 5 Latitude: 39.579122 (decimal degrees) Longitude: -95.103488 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: Garmin eTrex 10) (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper. 6 Elevation: 790 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial. 2. Public Water Supply: well ID. 3. Dewatering: how many wells? 4. Aquifer Recharge: well ID. 5. Monitoring: well ID R1N. 6. Environmental Remediation: well ID. 7. Air Sparge Soil Vapor Extraction Recovery Injection. 8. Oil Field Water Supply: lease. 9. Test Hole: well ID. 10. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water. 11. Other (specify):

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 70 ft., Diameter in. to ... ft., Diameter in. to ... ft. Casing height above land surface 31 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 70 ft. to 90 ft., From ... ft. to ... ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 65 ft. to 90 ft., From ... ft. to ... ft., From ... ft. to ... ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 65 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.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-15 Clay, 15-90 Sand, 90-90 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) 9/11/2023 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

OWNER: City of Atchison, KS		BORING/WELL NO. River Line: OB #1 (R1N)	PAGE 1 OF 1 PAGES
LOCATION: North Test Well Site		SCREEN: PVC	
		DIAMETER: 2-inch	SLOT NO. 0.02-inch
DATE COMPLETED: 9/11/2023		SETTING: 70 to 90 feet below ground	
DRILLING COMPANY: Terracon		SAND PACK:	
		SETTING: 65 to 90 feet below ground	
DRILLING METHOD: Rotary		CASING: 2-inch PVC	
SAMPLING METHOD: Split spoon with 2-inch or 3-inch sampler		SETTING: +2.83 to 70 feet below ground	
OBSERVER: Martha Silks		SEAL TYPE: bentonite pellet grout 65 to surface	
REFERENCE POINT: Native ground surface		DEVELOPMENT: by pump	
REFERENCE POINT ELEVATION: 790.764 feet msl		DURATION: until discharge appeared clear (minimum of 3 well volumes)	
STICK-UP: 2.83 feet above ground surface			
SURFACE COMPLETION: Steel locking casing, cement grout		WATER LEVEL: 19.68 feet below top of PVC well casing	
REMARKS:		YIELD: na	

DEPTH IN FEET		Spl. Type (Rec.) / blow counts	GEOLOGIC DESCRIPTION
FROM	TO		
0	5	WB	clay, brown, sandy
5	15	WB	clay, gray, sandy
15	35	WB	sand, gray, fine
35	69.5	WB	Sand, gray, medium to coarse, with lignite
69.5	71.5	SS (7") 7,9,7,8	AA
71.5	73.5	SS (8") 8,8,5,7	AA
73.5	75.5	SS (5") 5,7,7,5	AA
75.5	77.5	SS (8") 11,12,8,10	AA but finer
77.5	79.5	SS (6") 14,14,18,15	AA
79.5	81.5	SS (7") 10,11,12,16	AA
81.5	83.5	SS (8") 8,7,7,4	sand, very coarse with gravel and boulders
83.5	85.5	SS (8") 9,9,18,24	AA
85.5	87.5	SS (7") 10,4,8,8	AA
87.5	89.5	SS (10") 22,21,18,50/5"	AA
89.5	90	WB	AA
90		WB	Shale