County: Crawford Fraction: NW, NE, NW, NW Sec. 9 T. 30 S R. 25 E

CORRECTION(S) to WATER WELL COMPLETION RECORD **Form WWC-5** (to rectify lacking or incorrect information)

Owner: City of Frontenac PWS Well #4

If location corrected, was listed as:	**Location changed to:**
Section-Township-Range:	
Fraction (¼ calls): not provided	NW, NE, NW, NW

Other changes: Initial statements: Horizontal datum for Lat/Long coordinates not provided.

DWR Permit number not provided.

Changed to: NAD27 was used. Converted Lat/Long's are N 37.454383 deg. and W 94.683916

Comments: Well location information provided/confirmed by project geologist (Brad Vincent).

Verification method: Confirmed using STR Finder and LEOWEB.

Initials: PKC Date: 4/5/2022

Submitted by:
- ☐ Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724
- ■ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

(rev 01/26/2018)

WATER WELL RECORD Form WWC-5

■ Original Record ☐ Correction ☐ Change in Well Use

Division of Water Resources App. No. _____ Well ID 4

1 LOCATION OF WATER WELL: County: Crawford | Fraction: ¼ ¼ ¼ ¼ | Section Number: 9 | Township Number: T 30 S | Range Number: R 25 ■ E ☐ W

2 WELL OWNER: Last Name: Frontenac, KS First:
Business: City of Frontenac
Address: 313 E. McKay
Address: PO Box 1012
City: Frontenac State: KS ZIP: 66763-1012

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: ☐
101 S. Sante Fe, Frontenac, KS

3 LOCATE WELL WITH "X" IN SECTION BOX:
N / W / E / S; NW, NE, SW, SE; |---------1 mile---------|

4 DEPTH OF COMPLETED WELL: 1100 ft.
Depth(s) Groundwater Encountered: 1) 730 ft. 2) 825 ft. 3) 915 ft., or 4) ■ Dry Well
WELL'S STATIC WATER LEVEL: 282 ft.
■ below land surface, measured on (mo-day-yr) 8-30-21
☐ above land surface, measured on (mo-day-yr) _____
Pump test data: Well water was 312 ft. after 12 hours pumping 600 gpm
Well water was _____ ft. after _____ hours pumping _____ gpm
Estimated Yield: 600 gpm
Bore Hole Diameter: 14 in. to 700 ft. and 12.25 in. to 1100 ft.

5 Latitude: N37 27.263 (decimal degrees)
Longitude: W94 41.035 (decimal degrees)
Horizontal Datum: ☐ WGS 84 ☐ NAD 83 ☐ NAD 27
Source for Latitude/Longitude:
☐ GPS (unit make/model: _____)
(WAAS enabled? ☐ Yes ☐ No)
■ Land Survey ☐ Topographic Map
☐ Online Mapper: _____

6 Elevation: 957 ft. ■ Ground Level ☐ TOC
Source: ■ Land Survey ☐ GPS ☐ Topographic Map ☐ Other _____

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

Was a chemical/bacteriological sample submitted to KDHE? ■ Yes ☐ No If yes, date sample was submitted: 8-31-2021
Water well disinfected? ■ Yes ☐ No

8 TYPE OF CASING USED: ■ Steel ☐ PVC ☐ Other CASING JOINTS: ☐ Glued ☐ Clamped ■ Welded ☐ Threaded
Casing diameter 20 in. to 55 ft., Diameter 14 in. to 700 ft., Diameter _____ in. to _____ ft.
Casing height above land surface 24 in. Weight 54.62 lbs./ft. Wall thickness or gauge No. .375

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 _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
GRAVEL PACK INTERVALS: From _____ ft. to _____ ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

9 GROUT MATERIAL: ■ Neat cement ■ Cement grout ☐ Bentonite ☐ Other
Grout Intervals: From 0 ft. to 55 ft., From 0 ft. to 700 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? west Distance from well? 50-100 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	50	Clay,red sand & broken residuim	555	730	Dolomite
50	150	Limstone, chert & minor shale	730	825	Sandstone with limestone
150	175	Shale	825	915	Dolomite & sandstone
175	180	Limestone	915	1010	Dolomite
180	185	Oil shale	1010	1100	Dolomite with chert
185	225	Shale & Limestone mix			
225	247	Limestone			
24	250	Coal			
250	555	Limestone & chert			

Notes:

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) 12-23-2021 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 520 This Water Well Record was completed on (mo-day-year) 1-4-2022 under the business name of Midwest Hydro Drilling 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.

Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 **Revised 7/10/2015**