

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

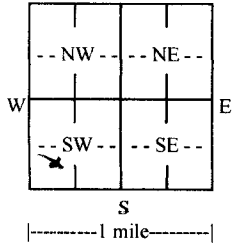
Division of Water Resources App. No.

Well ID

1 LOCATION OF WATER WELL: County: Miami	Fraction ¼ SW ¼ SW ¼ SW ¼	Section Number 11	Township Number T 18 S	Range Number R 22 ■ E □ W
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2 WELL OWNER: Last Name: Union Pacific Railroad Business: Union Pacific Railroad Address: 1400 Douglas Street City: Omaha State: NE ZIP: 68179	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"/> Former MP Yard 820 Sixth Street, Osawatomie, KS 66064
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3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: **29** ft.
 Depth(s) Groundwater Encountered: 1) **11.5** ft.
 2) **N/A** ft. 3) **N/A** ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: **11.77** ft.
 below land surface, measured on (mo-day-yr) **11-9-2015**
 above land surface, measured on (mo-day-yr) **N/A**
 Pump test data: Well water was **N/A** ft.
 after **N/A** hours pumping **N/A** gpm
 Well water was **N/A** ft.
 after **N/A** hours pumping **N/A** gpm
 Estimated Yield: **N/A** gpm
 Bore Hole Diameter: **8.25** in. to **29** ft. and
 **N/A** in. to **N/A** ft.

5 Latitude: **38.492152** (decimal degrees)
Longitude: **-94.951314** (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: **Google Earth**

6 Elevation: **853** ft. Ground Level TOC
 Source: Land Survey GPS Topographic Map
 Other **Google Earth**

7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <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 MW-21 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: **N/A**
 Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded
 Casing diameter **2** in. to **19** ft., Diameter **N/A** in. to **N/A** ft., Diameter **N/A** in. to **N/A** ft.
 Casing height above land surface **30** in. Weight **N/A** lbs./ft. Wall thickness or gauge No. **Sch 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 **19** ft. to **29** ft., From **N/A** ft. to **N/A** ft., From **N/A** ft. to **N/A** ft.
 GRAVEL PACK INTERVALS: From **17** ft. to **29** ft., From **N/A** ft. to **N/A** ft., From **N/A** ft. to **N/A** ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other **Concrete 0-2 feet**
 Grout Intervals: From **2** ft. to **17** ft., From **N/A** ft. to **N/A** ft., From **N/A** ft. to **N/A** 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) **Railroad Yard**
 Direction from well? **West** Distance from well? **<100** feet ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	5	Topsoil, fil, clay			
5	10	Grey clay moist			
10	13	Brown clay moist			
13	17	Brown clay stiff trace fine sand moist			
17	20	Dark grey clay very stiff moist			
20	25	Brown clay stiff wet			
25	29	Brown clay stiff moist bedrock limestone			
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) **10-13-2015** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **759** This Water Well Record was completed on (mo-day-year) **1-16-16** under the business name of **RAZEK Environmental, LLC** Signature *[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**