

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 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: _____ First: _____ Business: Union Pacific Railroad Address: Union Pacific Stop 1030 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:

N

NW	NE
SW	SE

S

-----1 mile-----

4 DEPTH OF COMPLETED WELL: ... **29.5** ... ft.
 Depth(s) Groundwater Encountered: 1) ... **10** ... ft.
 2) ... **N/A** ... ft. 3) ... **N/A** ... ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: ... **10.34** ... 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 **29.5** ft. and
 ... **N/A** in. to **N/A** ft.

5 Latitude: ... **38.41078** ... (decimal degrees)
Longitude: ... **-94.951108** ... (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: **850** ... 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	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-22	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
2. <input type="checkbox"/> Irrigation	9. Environmental Remediation: well ID _____ <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	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
3. <input type="checkbox"/> Feedlot		13. <input type="checkbox"/> Other (specify): _____
4. <input type="checkbox"/> Industrial		

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 **19.5** 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 **19.5** ft. to **29.5** ft., From **N/A** ft. to **N/A** ft., From **N/A** ft. to **N/A** ft.
 GRAVEL PACK INTERVALS: From **17.5** ft. to **29.5** 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 **17.5** 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

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	5	Topsoil, fil, clay			
5	8	Black silty clay			
8	17	Grey silty clay very soft moist			
17	20	Brown clay very moist			
20	28	Grey clay wet at 26 feet			
28	29.5	Refusal on shale 29.5 - feet			
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: _____