

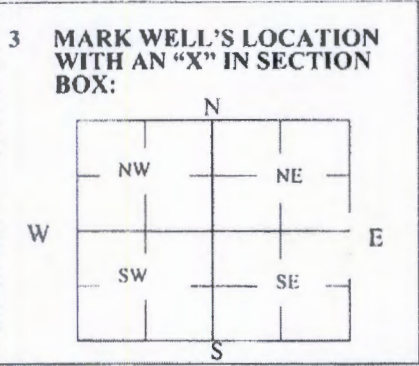
1 LOCATION OF WATER WELL: County: Wyandotte	Fraction $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ <u>NW</u> $\frac{1}{4}$	Section Number 19	Township Number T 11 S	Range Number 25 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here Argentine Rail yard; Kansas City, KS

Global Positioning Systems (GPS) information:
 Latitude: 39.08325 (in decimal degrees)
 Longitude: -94.68933 (in decimal degrees)
 Elevation: _____
 Horizontal Datum: WGS84, NAD83, NAD27
 Collection Method: _____

2 WATER WELL OWNER: BNSF Railway
 RR#, St. Address, Box #: 4200 Dean Rd.
 City, State ZIP Code: Ft. Worth TX 76106

GPS unit (Make/Model: Garmin etrek)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: < 3 m, 3-5 m, 5-15 m, > 15 m



4 DEPTH OF WELL 19.5 ft. **MW - 981R**

WELL'S STATIC WATER LEVEL _____ ft

WELL WAS USED AS:

<input type="checkbox"/> Domestic	<input type="checkbox"/> Public Water Supply	<input checked="" type="checkbox"/> Dewatering
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Oil Field Water Supply	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Feedlot	<input type="checkbox"/> Domestic (Lawn & Garden)	<input type="checkbox"/> Injection Well
<input type="checkbox"/> Industrial	<input type="checkbox"/> Air Conditioning	<input type="checkbox"/> Other _____

Was a chemical/bacteriological sample submitted to Department? Yes No

5 TYPE OF BLANK CASING USED:

Steel RMP (SR) Wrought Fiberglass Other (Specify below)
 PVC ABS Asbestos-Cement Concrete Tile

Blank casing diameter 2 in. Was casing pulled? Yes No If yes, how much all _____
 Casing height above or below land surface 0 in.

6 GROUT PLUG MATERIAL: Neat cement Cement grout Bentonite Other Top Soil

Grout Plug Intervals: From 0 ft. to 3 ft., From 3 ft. to 19.5 ft., From ft. to ft.

What is the nearest source of possible contamination:

<input type="checkbox"/> Septic tank	<input type="checkbox"/> Seepage pit	<input type="checkbox"/> Fuel storage	<input type="checkbox"/> Other (specify below)
<input type="checkbox"/> Sewer lines	<input type="checkbox"/> Pit privy	<input type="checkbox"/> Fertilizer storage	
<input type="checkbox"/> Watertight sewer lines	<input type="checkbox"/> Sewage lagoon	<input type="checkbox"/> Insecticide storage	
<input type="checkbox"/> Lateral lines	<input type="checkbox"/> Feedyard	<input type="checkbox"/> Abandoned water well	Direction from well? _____
<input type="checkbox"/> Cess pool	<input type="checkbox"/> Livestock pens	<input type="checkbox"/> Oil well/Gas well	How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
0	3	<u>Top Soil</u>			
3	19.5	Bentonite			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 4/11/2017 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 710. This Water Well Record was completed on (mo/day/year) 5/5/2017 under the business name of Below Ground Surface, Inc. by (signature) Craig R. Hewitt



UNION PACIFIC RAILROAD - FORMER ARMSTRONG YARD
KANSAS CITY, KANSAS

SVE/IAS Pilot Test Layout

ARCADIS
Dodge & Conover
CONSULTANTS

FIGURE
3

NOTES

- 1) All data are displayed in micrograms per liter (µg/L).
- 2) NS = Not Sampled
- 3) NA = Not Analyzed
- 4) LNAPL = Light Non-Aqueous Phase Liquid
- 5) NAPL = Non-Aqueous Phase Liquid
- 6) C = Chemicals of Concern
- 7) RSK = Risk-Based Screening
- 8) TPH = Total Petroleum Hydrocarbons
- 9) DRO = Diesel Range Organics
- 10) MRH = Mid-Range Hydrocarbons
- 11) HRIH = High-Range Hydrocarbons

SCALE IN FEET

Date	MW-1
10/2/2013	Groundwater Result (µg/L)
Background	Groundwater Result (µg/L)
2.11	TPH-DRO
720	Groundwater Result (µg/L)
4,660	MRH
2,560	Groundwater Result (µg/L)
	HRIH

- Legend**
- Monitoring Well
 - Proposed Deep SVE Well
 - Proposed Pilot Test Shallow Observation Well
 - Proposed Pilot Test Deep Observation Well
 - Proposed Air Sparge Well
 - Groundwater Exceeds KDHE Non-Residential Tier 2 RSK Value
 - Railroad Overpass
 - Buildings
 - VCP Project Area
 - Groundwater Result Exceeds Applicable KDHE Tier 2 RSK Non-Residential Scenario Groundwater Screening Level
 - Light Non-Aqueous Phase Liquid (LNAPL) Detected on At Least One Occasion

CITY OF KANSAS, DIVISION OF ENVIRONMENTAL HEALTH AND SAFETY, 10/2/2013. PREPARED BY: JAMES L. HARRIS, JR., ENVIRONMENTAL ENGINEER. DATE: 10/2/2013. BY: CHEN...