

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: <u>Pottawatomie</u>	<u>NE 1/4 NE 1/4 SW 1/4</u>	<u>32</u>	<u>T 9 S</u>	<u>R 10 EW</u>

Distance and direction from nearest town or city street address of well if located within city?  
Approximately 1/4 mile north of Columbian and Seay Road intersection

2 WATER WELL OWNER: US Army Corps of Engineers - NWK-EC-EE  
 RR#, St. Address, Box # : 601 East 12th St.  
 City, State, ZIP Code : Kansas City, Mo. 64106  
 Board of Agriculture, Division of Water Resources  
 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL <u>124.7</u> ft. ELEVATION: <u>1115.08 AMSL - Ground Surface</u>
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Depth(s) Groundwater Encountered 1 ..... ft. 2 ..... ft. 3 ..... ft.

WELL'S STATIC WATER LEVEL 104.63 ft. below land surface measured on 6/22/05

Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm

Est. Yield ..... gpm: Well water was ..... ft. after ..... hours pumping ..... gpm

WELL WATER TO BE USED AS:

5 Public water supply	8 Air conditioning	<input checked="" type="checkbox"/> 11 Injection well*
1 Domestic	3 Feedlot	6 Oil field water supply
2 Irrigation	4 Industrial	7 Domestic (lawn & garden)
		10 Monitoring well
		9 Dewatering
		12 Other (Specify below)

\* Chemical Ozone injection well for treatability study

Was a chemical/bacteriological sample submitted to Department? Yes ..... No  ; If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes ..... No

5 TYPE OF BLANK CASING USED:

<input checked="" type="checkbox"/> 1 Steel - <u>Stainless</u>	3 RMP (SR)	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued ..... Clamped .....
2 PVC	4 ABS	6 Asbestos-Cement	9 Other (specify below)	Welded .....
		7 Fiberglass		Threaded <input checked="" type="checkbox"/>

Blank casing diameter 4" in. to 99.6' ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.

Casing height above land surface 1.96 ft., weight ..... lbs./ft. Wall thickness or gauge No. 10

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel	<input checked="" type="checkbox"/> 3 Stainless Steel	5 Fiberglass	7 PVC	10 Asbestos-Cement
2 Brass	4 Galvanized Steel	6 Concrete tile	8 RMP (SR)	11 Other (Specify) .....
			9 ABS	12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:

<input checked="" type="checkbox"/> 1 Continuous slot <u>0.030</u>	3 Mill slot	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
2 Louvered shutter	4 Key punched	6 Wire wrapped	9 Drilled holes	
		7 Torch cut	10 Other (specify) .....	ft.

SCREEN-PERFORATED INTERVALS: From 99.6 ft. to 104.6 ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 119.6 ft. to 124.6 ft., From ..... ft. to ..... ft.

From 95.4 ft. to 124.7 ft., From ..... ft. to ..... ft.

From ..... ft. to ..... ft., From ..... ft. to ..... ft.

6 GROUT MATERIAL:  1 Neat cement    2 Cement grout     3 Bentonite Seal    4 Other .....

Grout Intervals: From 2.0 ft. to 90.7 ft., From 90.7 ft. to 95.4 ft., From ..... ft. to ..... ft.

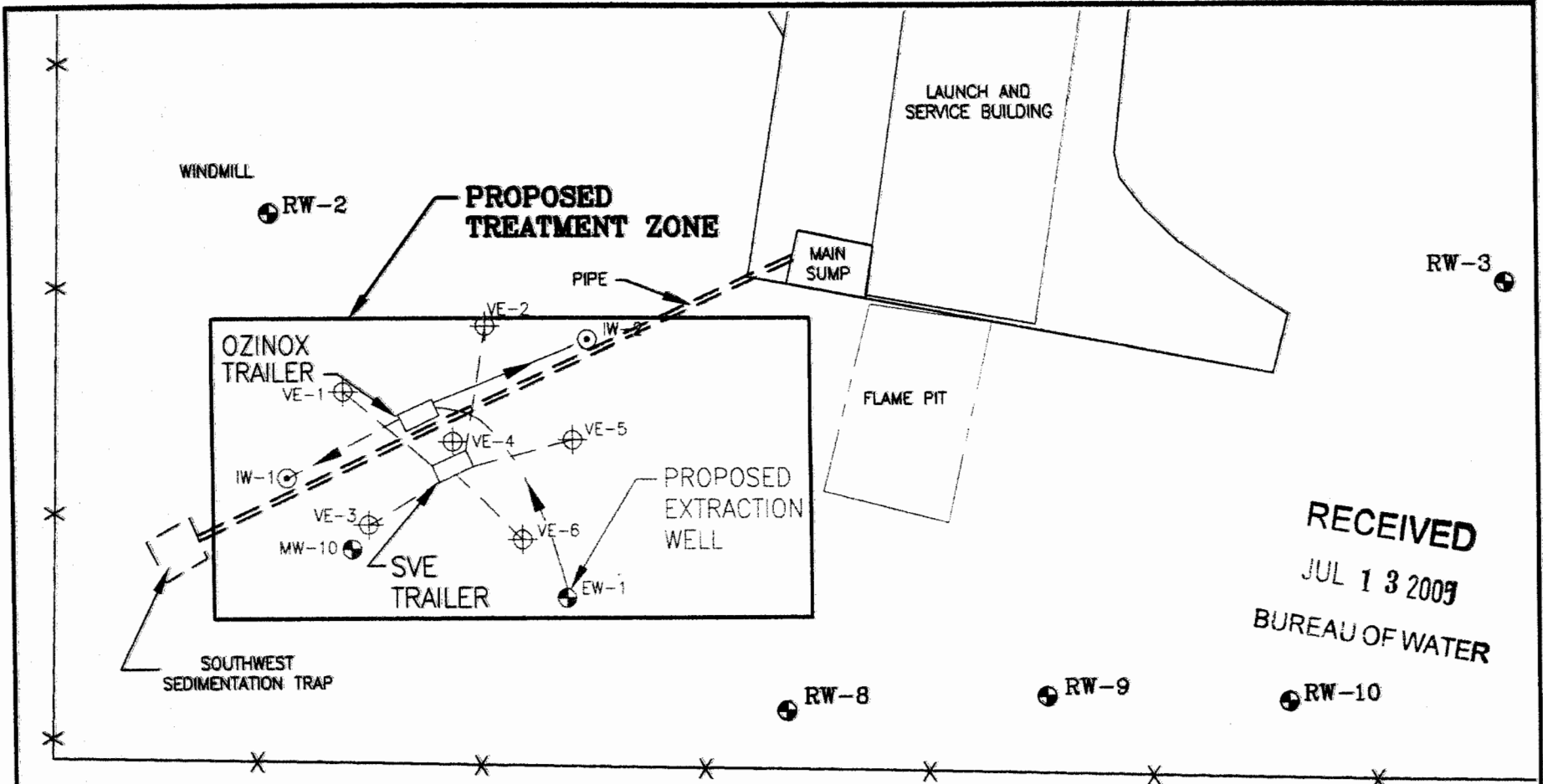
What is the nearest source of possible contamination:

1 Septic tank	4 Lateral lines	7 Pit privy	10 Livestock pens	14 Abandoned water well
2 Sewer lines	5 Cess pool	8 Sewage lagoon	11 Fuel storage	15 Oil well/Gas well
3 Watertight sewer lines	6 Seepage pit	9 Feedyard	12 Fertilizer storage	<input checked="" type="checkbox"/> 16 Other (specify below)
			13 Insecticide storage	<u>Former Fort S-7</u>
			How many feet?	<u>Missile Site Atlas</u>

Direction from well?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0.0	22.2	Sandy clay - reddish brown			/
22.0	44.0	Coarse Sand - Orange Brown			
44.0	90.2	Silt, Tan - Dense			
90.2	98.0	Silt Tan w/ sand and clay lenses			
98.0	123.5	Sandy - medium w/ coarse chev gravel lenses			
123.5	124.5	Shale - soft weathered (BOH)			

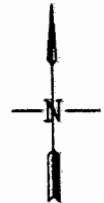
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was  (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 5-31-2005 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. Federal Government this Water Well Record was completed on (mo/day/yr) 6-30-2005 under the business name of US Army Corps of Engineers - NWK by (signature) Boyd W. Kern - USAACE



RECEIVED  
 JUL 13 2009  
 BUREAU OF WATER

**LEGEND**

- RW-2 EXISTING RESIDENTIAL WELLS
- S-7 PROPERTY BOUNDARY
- +— SITE BOUNDARY FENCE
- PROPOSED TREATMENT ZONE
- == DISCHARGE PIPE
- ⊙ IW-1 PROPOSED INJECTION WELLS
- MW-10 PROPOSED MONITORING/EXTRACTION WELLS
- ⊕ VE-1 PROPOSED SVE EXTRACTION WELLS
- GROUNDWATER PIPING
- - - SVE PIPING



KS STATE PLANE NORTH  
 COORDINATE SYSTEM US FEET

U.S. ARMY CORPS OF ENGINEERS, KC DISTRICT  
 FORMER FORBES ATLAS MISSILE SITE S-7  
 WAMEGO, KANSAS

**PROPOSED TREATMENT LAYOUT**

Drawn RAM	Checked	Approved	Figure no.
Date 05/06/05	Date	Date	3
Job no. 01-1633-04-8945-110	File no. 3845-002.dwg		

