GSI Job No. 097021 **PZ-02**

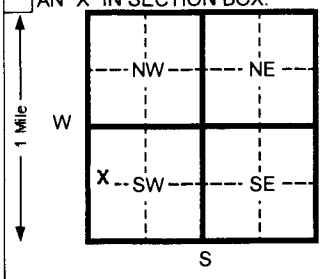
WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. _____

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: **Sedgwick**	**SW** ¼ **NW** ¼ **SW** ¼	**15**	T **27** S	R **1** E

Distance and direction from nearest town or city street address of well if located within city?
North side of Murdock, west of Minneapolis (10' E of PW-02) – Wichita

2 WATER WELL OWNER: **Union Pacific Railroad**
RR#, St. Address, Box # : **1416 Dodge St., Rm. 930** Board of Agriculture, Division of Water Resources
City, State, ZIP Code : **Omaha, NE 68179** Application Number:

3 LOCATE WELL'S LOCATON WITH AN "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL **24.5** ft. ELEVATION: **1298.33 (TOC)**
Depth(s) Groundwater Encountered 1 **15** ft. 2 _____ ft. 3 _____ ft.
WELL'S STATIC WATER LEVEL **14.90** ft. below TOC measured on mo/day/yr _____
Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
Bore Hole Diameter **8.25** in. to **25** ft. and _____ in. to _____ ft.
WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
1 Domestic 3 Feed lot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
2 Irrigation 4 Industrial 7 Lawn and garden (domestic) **10 Monitoring well**
Was a chemical/bacteriological sample submitted to Department? Yes ___ No **X** If yes, mo/day/yr sample was submitted
Water Well Disinfected? Yes ___ No **X**

5 TYPE OF BLANK CASING USED: 5 Wrought Iron 8 Concrete tile CASING JOINTS: Glued ___ Clamped ___
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
2 PVC 4 ABS 7 Fiberglass _____ Threaded **Flush**
Blank casing diameter **2** in. to **14.5** ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
Casing height above land surface **0** in., weight **0.703** lbs./ft. Wall thickness or gauge No. **SCH. 40**
TYPE OF SCREEN OR PERFORATION MATERIAL: **7 PVC** 10 Asbestos-cement
1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____
2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot **3 Mill slot** 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____
SCREEN-PERFORATED INTERVALS: From **14.5** ft. to **24.5** ft. From _____ ft. to _____ ft.
From _____ ft. to _____ ft. From _____ ft. to _____ ft.
GRAVEL PACK INTERVALS: From **12** ft. to **25** ft. From _____ ft. to _____ ft.
From _____ ft. to _____ ft. From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout **3 Bentonite** 4 Other _____
Grout Intervals From **1** ft. to **12** ft. From _____ ft. to _____ 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 16 Other (specify below)
13 Insecticide storage
Direction from well? How many feet?

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	GPS COORDINATES
0	10		**Silt, brown to dark brown, with some fine sand below 7.5'**			
10	12.5		**Sandy Silt, brown**			
12.5	20		**Sand, fine to medium grained, poorly graded, brown**			
20	22.5		**Sand, medium to coarse grained, well graded, with pebbles, brown**			
22.5	25		**Sand, fine grained, poorly grade, brown, contact with clayey shale at 25'**			

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/yr) **07/08/11** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **531** This Water Well Record was completed on (mo/day/yr) **07/27/11** under the business name of **Geotechnical Services Inc.** by (signature)

INSTRUCTIONS:. Please fill in blanks and circle the correct answers. Send three copies to Kansas Department of Health and Environment, Bureau of Water, 1000 S W Jackson St., Ste. 420, Topeka, Kansas 66612-1367. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY T R SEC