

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: Sedgwick	NE ¼ NW ¼ NW ¼	03	T 27 S	R 01 E

Distance and direction from nearest town or city street address of well if located within city?

Northeast of Minnesota, south of Hydraulic

2 WATER WELL OWNER:	Union Pacific Railroad
RR#, St. Address, Box #	1416 Dodge Street, Room 930
City, State, ZIP Code	Omaha, NE 68179
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 29 ft. ELEVATION:
	Depth(s) Groundwater Encountered 1 _____ ft. 2 _____ ft. 3 _____ ft. WELL'S STATIC WATER LEVEL _____ ft. below land surface 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 6 in. to 29 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 Observation 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 _____ ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.	
Casing height above land surface Flushmount 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 23.8 ft. to 28.8 ft. From _____ ft. to _____ ft.	
From _____ ft. to _____ ft. From _____ ft. to _____ ft.	
GRAVEL PACK INTERVALS: From 21.8 ft. to 29 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 1.0 ft. to 21.8 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.	
What is the nearest source of possible contamination:	10 Livestock pens 14 Abandoned water well
1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/ Gas well	
2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)	
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage	
Direction from well? _____	How many feet? _____

FROM	TO	CODE	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	4		Clay, stiff, med to high plasticity			
4	7		Clay, silty, firm to soft, med to high plasticity			
7	8		Clay, slightly silty, firm to stiff, med to low plasticity			
8	10		Clay, lightly silty, firm to stiff, med to high plasticity			
10	14.5		Clay, silty, calcareous clasts, fine sand			
14.5	16		Clay, very silty, soft			
16	19		Clay, silty, sandy			
19	21.5		Clay, slightly silty, firm			
21.5	26.5		Clay, silty, sandy			
26.5	29		Shale, olive, mottled, weathered			

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) 12-13-05 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) 3-21-06
under the business name of Geotechnical Services, Inc. by (signature) _____