

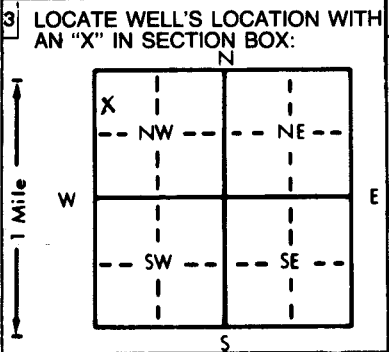
well #1

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction NW 1/4 NW 1/4 Section Number 27 Township Number T 13 S Range Number R 23 EW  
 County: Johnson

Distance and direction from nearest town or city street address of well if located within city?  
100 Feet EAST OF HEDGE ROAD, 1/8 MILE South OF LAND FILL OFFICE

2 WATER WELL OWNER: U.S. GEOLOGICAL SURVEY  
 RR#, St. Address, Box #: 4821 QUAIL CREST PLACE Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: LAWRENCE KS 66049 Application Number:



4 DEPTH OF COMPLETED WELL: 74 ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. 70 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: 4 1/2 in. to ft., and in. to ft.  
 WELL WATER TO BE USED AS:  
 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)  
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well  
 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:  
 1 Steel 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   
 Blank casing diameter: 2 in. to 69 ft., Dia. in. to ft., Dia. in. to ft.  
 Casing height above land surface: 24 in., weight lbs./ft. Wall thickness or gauge No.  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot 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)  
 SCREEN-PERFORATED INTERVALS: From 74 ft. to 69 ft., From ft. to ft.  
 From ft. to ft., From ft. to ft.  
 GRAVEL PACK INTERVALS: From 74 ft. to 62.5 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 62.5 ft. to 0 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)  
Land fill  
 Direction from well? How many feet?

FROM		TO		LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	12			Limestone			
12	13			Black Shale			
13	14			Limestone			
14	14.5			BLACK SHALE			
14.5	17			LIMESTONE			
17	25			SHALE			
25	27			LIMESTONE w/ shale parting			
27	52			GREEN SHALE			
52	72			LIMESTONE			
72	74.5			BLACK SHALE			

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) 11/15/90 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. NONE This Water Well Record was completed on (mo/day/year) 12/17/90 under the business name of U.S. GEOLOGICAL SURVEY by (signature) Orin Angadine