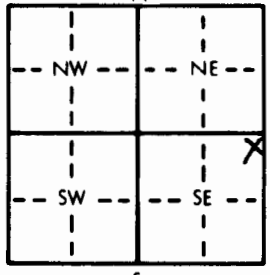


1 LOCATION OF WATER WELL: Fraction Section Number Township Number Range Number  
 County: Leavenworth NE 1/4 NE 1/4 SE 1/4 21 T 12 S R 22 E/W

Distance and direction from nearest town or city street address of well if located within city?  
1/2 mile northwest of DeSoto

2 WATER WELL OWNER: Sunflower Army Ammunition Plant  
 RR#, St. Address, Box # : \_\_\_\_\_ Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : DeSoto, Kansas Application Number: \_\_\_\_\_

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  
  
 4 DEPTH OF COMPLETED WELL: 58 ft. ELEVATION: 781  
 Depth(s) Groundwater Encountered 1. 24 ft. 2. \_\_\_\_\_ ft. 3. \_\_\_\_\_ ft.  
 WELL'S STATIC WATER LEVEL 24 ft. below land surface measured on mo/day/yr 1/26/81  
 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 in. to 58 ft., and \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 WELL WATER TO BE USED AS:  
 5 Public water supply 8 Air conditioning 11 Injection well  
 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 Observation well  
 Was a chemical/bacteriological sample submitted to Department? Yes x No \_\_\_\_\_; If yes, mo/day/yr sample was submitted 2/1/82  
 Water Well Disinfected? Yes X No \_\_\_\_\_

5 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued x Clamped \_\_\_\_\_  
2 PVC 4 ABS 7 Fiberglass \_\_\_\_\_ Welded \_\_\_\_\_  
 Blank casing diameter 1 1/2 in. to 42 ft. Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft. Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface 36 in. weight 518 lbs./ft. Wall thickness or gauge No. \_\_\_\_\_  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 1 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:  
 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 42 ft. to 57 ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From 10 ft. to 57 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 0 ft. to 10 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)  
 \_\_\_\_\_ Kansas River \_\_\_\_\_  
 13 Insecticide storage \_\_\_\_\_  
 Direction from well? southwest How many feet? 5,000

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0.0	0.3	Topsoil			
0.3	0.8	Gravel			
0.8	9.0	Brown silty clay, moist, medium			
9.0	11.0	Light brown silty sandy clay, medium			
11.0	24.0	Brown fine to very fine sand			
24.0	33.0	Brown medium to fine sand, trace coarse sand and gravel			
33.0	35.4	Gray silty sandy clay			
35.4	40.0	Gray medium sand, w/fine sand, trace coarse sand			
40.0	45.0	Gray medium sand, w/fine sand, trace coarse & fine sand			
45.0	52.0	Gray medium sand, trace coarse & fine sand			
52.0	57.1	Gray medium to coarse sand, w/trace fine sand & gravel			
57.1	58.0	Gray shaley limestone			
58.0		Total Depth			

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) 2/3/82 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 149 This Water Well Record was completed on (mo/day/yr) 2/22/82 under the business name of Layne-Western Company, Inc. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY  
T  
12  
R  
22  
EW  
SEC.  
21  
NE 1/4  
SE 1/4