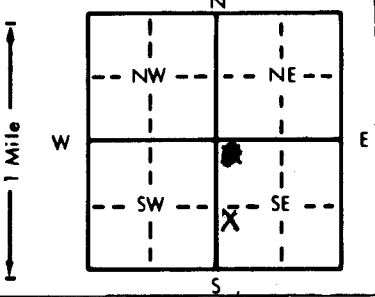


1 LOCATION OF WATER WELL: Fraction **NW 1/4 SW 1/4 SE 1/4** Section Number **20** Township Number **T 12 S** Range Number **R 22 EW**  
 County: **Johnson**

Distance and direction from nearest town or city street address of well if located within city?  
**1/4 mile north of DeSoto**

2 WATER WELL OWNER: **Sunflower Army Ammunition Plant**  
 RR#, St. Address, Box # :  
 City, State, ZIP Code : **DeSoto, Kansas**  
 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... **48.5** ft. ELEVATION: **.793** ft.  
 Depth(s) Groundwater Encountered 1. **21** ft. 2. ft. 3. ft.  
 WELL'S STATIC WATER LEVEL ... **21** ft. below land surface measured on mo/day/yr ... **1/28/82**  
 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 **48.5** 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  No   
 submitted **2/1/82** 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 7 Fiberglass Welded  
 9 Other (specify below) Threaded

Blank casing diameter **1 1/2** in. to **30** 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 8 RMP (SR) 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify)  
 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 **30** ft. to **45** ft., From ft. to ft.  
 From ft. to ft., From ft. to ft.  
 GRAVEL PACK INTERVALS: From **10** ft. to **45** 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** ...  
 Direction from well? **northeast** How many feet? **4,000**

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0.0	7.0	Brown silty clay			
7.0	21.0	Brown fine to very fine sand			
21.0	30.0	Brown medium to coarse, w/fine sand, trace gravel			
30.0	32.0	Brown & gray medium to fine sand, w/coarse sand, trace gravel			
32.0	40.0	Gray medium to fine sand, w/trace coarse sand & clay			
40.0	44.3	Gray medium sand, trace coarse & fine sand			
44.3	45.5	Gray shaley limestone			
45.5	48.5	Gray limestone			
48.5	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) **1/28/82** 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

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DM

SEC.

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