

1 LOCATION OF WATER WELL: Fraction NW 1/4 SW 1/4 SE 1/4 Section Number 24 Township Number T 13 S Range Number R 21 EW
County: JOHNSON
Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: U.S. GOVERNMENT
RR#, St. Address, Box #: SUNFLOWER ARMY AMMUNITION PLANT
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:
N
NW NE
SW SE
S
W E
1 Mile
4 DEPTH OF COMPLETED WELL: 44.0 ft. ELEVATION: 904.67 (Top of concrete cap)
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 39.07 ft. below land surface measured on mo/day/yr 11-23-81
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 7 7/8 in. to 44.0 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 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: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued X Clamped
2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded
Blank casing diameter 4 in. to 4.5 ft., Dia. in. to ft., Dia. in. to ft.
Casing height above land surface 3.03 weight lbs./ft. Wall thickness or gauge SCHEDULE 40
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 10 Other (specify)
7 Torch cut
SCREEN-PERFORATED INTERVALS: From 4.5 ft. to 43.0 ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 3.5 ft. to 44.0 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 NEAT CEMENT WITH 4%
Grout Intervals: From 0 ft. to 3.0 ft., From ft. to 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 | LITHOLOGIC LOG | FROM | TO | LITHOLOGIC LOG |
|------|------|------------------------|------|----|----------------|
| 0.0 | 2.0 | SANDY CLAY | | | |
| 2.0 | 3.8 | CLAYEY SAND | | | |
| 3.8 | 5.8 | SOUTH BEND LS. MAR. | | | |
| 5.8 | 9.8 | ROCK LAKE SHALE MAR. | | | |
| 9.8 | 26.0 | STONER LIMESTONE MAR. | | | |
| 26.0 | 33.5 | EXORA SHALE MAR. | | | |
| 33.5 | 40.0 | CAPTAIN CREEK LS. MAR. | | | |
| 40.0 | 44.0 | VILAS 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) 10-26-81 and this record is true to the best of my knowledge and belief. Kansas
Water Well Contractor's License No. N/A This Water Well Record was completed on (mo/day/yr) 12-18-81
under the business name of U.S. ARMY CORPS OF ENGINEERS (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.