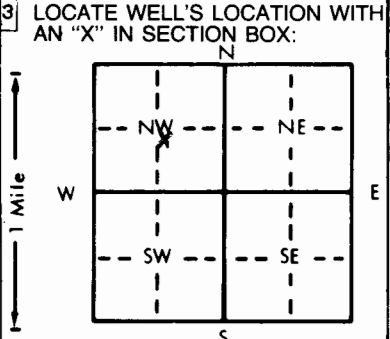


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1 LOCATION OF WATER WELL: Fraction NW 1/4 SE 1/4 NW 1/4 Section Number 19 Township Number T 13 S Range Number R 22 E
 County: JOHNSON
 Distance and direction from nearest town or city street address of well if located within city?

2 WATER WELL OWNER: U.S. GOVERNMENT
 RR#, St. Address, Box #: SUNFLOWER ARMY AMMUNITION PLANT Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: DESOTO, KANSAS Application Number:



4 DEPTH OF COMPLETED WELL: 64.0 ft. ELEVATION: 928.01 (Top of concrete pad)
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 20.37 ft. below land surface measured on mo/day/yr 11-24-81
 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: 9 in. to 10.0' ft., and 7 7/8 in. to 64.0 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 20.0 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 2.83 FT weight _____ lbs./ft. Wall thickness or gauge No. 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
 7 Torch cut 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 20.0 ft. to 63.0 ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 19.0 ft. to 64.0 ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other NEAT CEMENT w/ 4%
 Grout Intervals: From 0 ft. to 18.0 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 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 | 16.5' | CLAYS | | | |
| 16.5 | 18.0 | SANDY CLAY | | | |
| 18.0 | 21.0 | CLAYEY SAND | | | |
| 21.0 | 27.6 | SAND | | | |
| 27.6 | 28.6 | SOUTH BEND LS. MBR. | | | |
| 28.6 | 32.0 | ROCK LAKE SH. MBR. | | | |
| 32.0 | 46.8 | STONER LS. MBR. | | | |
| 46.8 | 53.8 | EUDORA SH. MBR. | | | |
| 53.8 | 60.5 | CAPTAIN CREEK LS. MBR | | | |
| 60.5 | 64.0 | 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) 10-15-81 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 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.