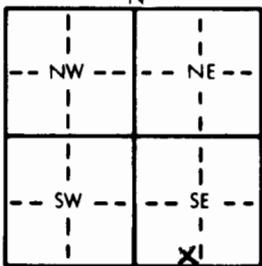


MD81-14

1 LOCATION OF WATER WELL: County: JOHNSON		Fraction SE 1/4 SW 1/4 SE 1/4	Section Number 24	Township Number T 13 S	Range Number R 21 EW																																																																		
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: DESO TO, 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: 44.0 ft. ELEVATION: 909.03 (Top of concrete pad) Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL 31.17 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) MONITORING WELL 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation 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 4.0 ft., Dia in. to ft., Dia in. to ft. Casing height above land surface 2.53 ft., weight lbs./ft. Wall thickness or gauge SCHEDULE 40 TYPE OF SCREEN OR PERFORATION MATERIAL: 7 PVC 10 Asbestos-cement 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) 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 4.0 ft. to 43.0 ft., From ft. to ft. GRAVEL PACK INTERVALS: From 3.0 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 w/ 4% BENTONITE Grout Intervals: From 0 ft. to 2.5 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) 13 Insecticide storage Direction from well? How many feet?																																																																							
<table border="1"><thead><tr><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th><th>FROM</th><th>TO</th><th>LITHOLOGIC LOG</th></tr></thead><tbody><tr><td>0</td><td>2.5'</td><td>SANDY CLAY</td><td></td><td></td><td></td></tr><tr><td>2.5</td><td>3.5'</td><td>CLAYEY SAND</td><td></td><td></td><td></td></tr><tr><td>3.5</td><td>4.9'</td><td>SAND</td><td></td><td></td><td></td></tr><tr><td>4.9</td><td>5.5</td><td>WESTON SHALE MAR.</td><td></td><td></td><td></td></tr><tr><td>5.5</td><td>7.5</td><td>SOUTH BEND LS. MAR.</td><td></td><td></td><td></td></tr><tr><td>7.5</td><td>10.5</td><td>ROCK LAKE SH. MAR.</td><td></td><td></td><td></td></tr><tr><td>10.5</td><td>26.6</td><td>STONER LS. MAR.</td><td></td><td></td><td></td></tr><tr><td>26.6</td><td>32.7</td><td>ERDORA SH. MAR.</td><td></td><td></td><td></td></tr><tr><td>32.7</td><td>40.0</td><td>CAPTAIN CREEK LS. MAR.</td><td></td><td></td><td></td></tr><tr><td>40.0</td><td>44.0</td><td>VILAS SHALE</td><td></td><td></td><td></td></tr></tbody></table>						FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG	0	2.5'	SANDY CLAY				2.5	3.5'	CLAYEY SAND				3.5	4.9'	SAND				4.9	5.5	WESTON SHALE MAR.				5.5	7.5	SOUTH BEND LS. MAR.				7.5	10.5	ROCK LAKE SH. MAR.				10.5	26.6	STONER LS. MAR.				26.6	32.7	ERDORA SH. MAR.				32.7	40.0	CAPTAIN CREEK LS. MAR.				40.0	44.0	VILAS SHALE			
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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) 10-24-81 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) <i>John E. Mayhew</i> 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.																																																																							