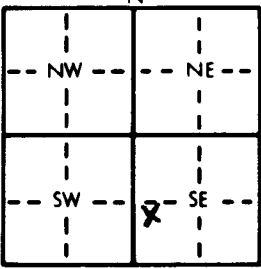


1 LOCATION OF WATER WELL: Fraction NW 1/4 SW 1/4 SE 1/4 Section Number 19 Township Number T 13 S Range Number R 22 EW

Distance and direction from nearest town or city street address of well if located within city?

SE of Twin Pines

2 WATER WELL OWNER: SUNFLOWER ARMY AMMUNITION PLANT  
 RR#, St. Address, Box #: ATTN: SMCSU-EV Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: DeSOTO, KS 66018-0640 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 27.29 ft. ELEVATION: 20.89 ft.  
 Depth(s) Groundwater Encountered 1. 20.78 ft. 2. ft. 3. ft.  
 WELL'S STATIC WATER LEVEL 20.89 ft. below land surface measured on mo/day/yr 5/18/88  
 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 27.29 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 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

5 TYPE OF BLANK CASING USED: 1 Steel 2 PVC 3 RMP (SR) 4 ABS 5 Wrought iron 6 Asbestos-Cement 7 Fiberglass 8 Concrete tile 9 Other (specify below) CASING JOINTS: Glued Clamped Welded Threaded  
 Blank casing diameter 4 in. to 16.79 ft., Dia in. to ft., Dia in. to ft.  
 Casing height above land surface 21.96 in., weight lbs./ft. Wall thickness or gauge No. 40  
 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless steel 4 Galvanized steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-cement 11 Other (specify) 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 11 None (open hole) 10 Other (specify)  
 SCREEN-PERFORATED INTERVALS: From 16.79 ft. to 26.79 ft., From ft. to ft.  
 GRAVEL PACK INTERVALS: From 15.00 ft. to 27.29 ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other  
 Grout Intervals: From 0 ft. to 15 ft., From ft. to ft., From ft. to ft.  
 What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Watertight sewer lines 4 Lateral lines 5 Cess pool 6 Seepage pit 7 Pit privy 8 Sewage lagoon 9 Feedyard 10 Livestock pens 11 Fuel storage 12 Fertilizer storage 13 Insecticide storage 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below) Wastewater for land treatment  
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3.5	Very dark grayish brown clay loam			
3.5	5.0	Dark brown clay loam with limestone fragments			
5.0	9.0	Very dark brown clay, high plasticity			
9.0	10.5	Dark yellowish brown clay with rock fragments			
10.5	15.0	Brown clay loam, plastic			
15.0	18.0	Dark yellowish brown sandy clay			
18.0	22.5	Brown sandy loam, increased moisture			
22.5	28.0	Light yellowish brown medium sand, nonplastic, wet			
28.0		Bedrock - bottom of hole			

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) May 21, 88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. This Water Well Record was completed on (mo/day/yr) 8/1/88 under the business name of US ARMY ENVIRONMENTAL HYGIENE AGENCY by (signature) Gary Hemeth