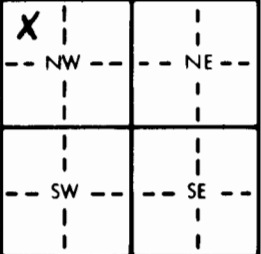


1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
County: <u>Johnson</u>	<u>NW 1/4 NW 1/4 NW 1/4</u>	<u>17</u>	T <u>13</u> S	R <u>22</u> <u>EW</u>

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

2 WATER WELL OWNER:	Board of Agriculture, Division of Water Resources
RR#, St. Address, Box #:	Application Number
City, State, ZIP Code:	

U.S. Government
Sunflower Army Amunitions Plant
De Soto, KS

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	4 DEPTH OF COMPLETED WELL: <u>42.0</u> ft. ELEVATION: <u>866.12' (to top of Concrete)</u>
	Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL <u>5.37</u> ft. below land surface measured on mo/day/yr <u>11-24-81</u> 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 <u>8.0</u> in. to <u>42.0</u> 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 <u>12 Other (Specify below)</u> 2 Irrigation 4 Industrial 7 Lawn and garden only <u>10 Observation well</u> <u>monitoring well</u> Was a chemical/bacteriological sample submitted to Department? Yes.....No..... ☒ If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes No ☒

5 TYPE OF BLANK CASING USED:	5 Wrought iron	8 Concrete tile	CASING JOINTS: Glued ☒ Clamped
1 Steel	3 RMP (SR)	6 Asbestos-Cement	9 Other (specify below)
<u>2 PVC</u>	4 ABS	7 Fiberglass	Welded
Blank casing diameter <u>4"</u> in. to <u>5.5</u> ft., Dia. in. to ft., Dia. in. to ft.			Threaded
Casing height above land surface <u>2.83 Ft.</u> weight lbs./ft. Wall thickness or gauge No. <u>Schd. 40</u>			
TYPE OF SCREEN OR PERFORATION MATERIAL:	10 Asbestos-cement		
1 Steel	3 Stainless steel	5 Fiberglass	8 RMP (SR)
2 Brass	4 Galvanized steel	6 Concrete tile	9 ABS
SCREEN OR PERFORATION OPENINGS ARE:	5 Gauzed wrapped	8 Saw cut	11 None (open hole)
1 Continuous slot	<u>3</u> Mill slot	6 Wire wrapped	9 Drilled holes
2 Louvered shutter	4 Key punched	7 Torch cut	10 Other (specify)
SCREEN-PERFORATED INTERVALS: From <u>5.5</u> ft. to <u>39.7</u> ft., From ft. to ft.			
GRAVEL PACK INTERVALS: From <u>4.0</u> ft. to <u>42.0</u> ft., From ft. to ft.			

6 GROUT MATERIAL:	1 Neat cement	2 Cement grout	3 Bentonite	4 Other <u>NEAT Cement w/ 4% Bentonite</u>
Grout Intervals: From <u>0.0</u> ft. to <u>4.0</u> 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?	
FROM	TO	FROM	TO
<u>0.0</u>	<u>7.5</u>		
<u>7.5</u>	<u>9.3</u>		
<u>9.3</u>	<u>21.3</u>		
<u>21.3</u>	<u>21.8</u>		
<u>21.8</u>	<u>33.6</u>		
<u>33.6</u>	<u>35.4</u>		
<u>35.4</u>	<u>42.0</u>		
LITHOLOGIC LOG		LITHOLOGIC LOG	
<u>Clays</u>			
<u>Weathered Sandstone</u>			
<u>Spring Hill Limestone mb.</u>			
<u>Hickory Creek Shale mb.</u>			
<u>Merriam Limestone mb.</u>			
<u>Banner Springs Fm.</u>			
<u>Fanley Limestone mb.</u>			

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) <u>OCT. 30, 1981</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>N/A</u> This Water Well Record was completed on (mo/day/yr) <u>DEC. 18, 1981</u> under the business name of <u>U.S. ARMY CORPS OF ENGINEERS</u> by (signature) <u>[Signature]</u>
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.