Except

WATER WELL RECORD Form WWC-5 KSA 82a-1212 MW 81-30

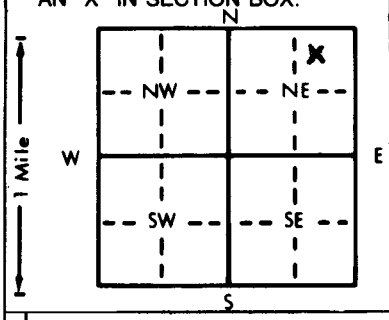
LOCATION OF WATER WELL: County: Johnson	Fraction: NW ¼ NE ¼ NE ¼	Section Number: 19	Township Number: T 13 S	Range Number: R 22 (E) W

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:



4 DEPTH OF COMPLETED WELL 72.0' ft. ELEVATION: 889.96 (top of concrete pad)

Depth(s) Groundwater Encountered 1 ..... ft. 2 ..... ft. 3 ..... ft.

WELL'S STATIC WATER LEVEL 9.87 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 72.0 ft., and ..... in. to ..... ft.

WELL WATER TO BE USED AS: 1 Domestic 2 Irrigation 3 Feedlot 4 Industrial 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering (10) Observation well 11 Injection well ~~(12) Other (Specify below)~~ Monitoring Well

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: 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 8.0 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. Sch. 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 (3) Mill slot 2 Louvered shutter 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 10 Other (specify) ..... 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 8.0' ft. to 72.0' ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

GRAVEL PACK INTERVALS: From 7.0' ft. to 72.0' 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 0.0 ft. to 6.0 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) .....

Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0.0'	9.0'	CLAY			
9.0'	19.5'	Vilas Shale FM			
19.5'	23.4'	Spring Hill Ls MBR - Plattsburg Ls FM			
23.4'	27.5'	Hickory Ck Sh MBR - "		"	"
27.5'	72.0'	Wyandotte Ls FM			

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) 10-19-81 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) 02-18-81 under the business name of U.S. ARMY CORPS OF ENGINEERS by (signature) John E. Naylor

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.