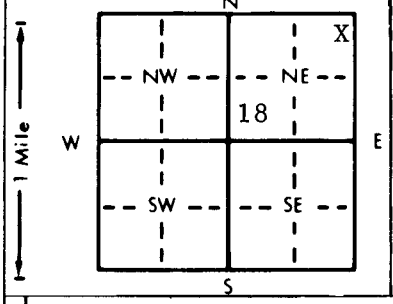
WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Johnson | Fraction: NE ¼ NE ¼ NE ¼ | Section Number: 17 | 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?
1 mile south of Clearview City, KS.

2 WATER WELL OWNER: Sunflower Army Ammunition Plant
RR#, St. Address, Box # : DeSoto, Kansas P.o. Box 549
City, State, ZIP Code : Well No. MW 81-50 35425 W. 103rd St DeSoto,KS. 66018
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 63.7 ft. ELEVATION: 890.24'
Depth(s) Groundwater Encountered 1. 6.4 ft. 2. ft. 3. ft.
WELL'S STATIC WATER LEVEL 6.4 ft. below land surface measured on mo/day/yr 8-18-95
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 in. to 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 X
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: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped
1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded
(2) PVC X 4 ABS 7 Fiberglass Threaded
Blank casing diameter 4 in. to ft., Dia in. to ft., Dia in. to ft.
Casing height above land surface in., weight lbs./ft. Wall thickness or gauge No.

TYPE OF SCREEN OR PERFORATION MATERIAL: (7) PVC X 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: 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
1 Continuous slot (3) Mill slot 6 Wire wrapped 9 Drilled holes
2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)

SCREEN-PERFORATED INTERVALS: From 13.0 ft. to 63.0 ft., From ft. to ft.
From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 11.0 ft. to 63.7 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 microfine cement
Grout Intervals: From 3.0 ft. to 63.7 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 Settling Pond A
Direction from well? west How many feet? 600

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
			3.0	0.0	clay soil
			63.7	3.0	Well abandoned by staged pressure grouting with ADDIMENT-MICROCEM microfine cement grout. Packer placed approx. 10' above bottom of well, 12 to 25 gallons of grout was pumped at up to 50psi. The packer was moved up another 10' and another 12 to 25 gallons of grout was pumped into that interval at up to 50psi. The procedure was repeated until the well annulus and casing were filled to the surface with grout. All surface features were removed, the well casing was excavated to 3', the casing cut off and hole backfilled with clay soil and tamped. Calculated grout volume = 79.5 gallons Actual grout take = 75 gallons
		CF: KDHE, BUR. Water SFAAP USACE-MRK-EP-GG			

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) 8-18-95 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) 27 SEP 1995
under the business name of US ARMY CORPS OF ENGINEERS by (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, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.