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

1 LOCATION OF WATER WELL: Fraction: SE ¼ SE ¼ NW ¼ | Section Number: 19 | Township Number: T 13 S | Range Number: R 22 E

County: Johnson

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

2.5 miles south of Clearview City, Kansas

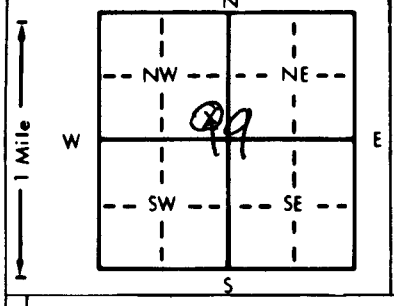
2 WATER WELL OWNER: Sunflower Army Ammunition Plant Well No. MW-81-35

RR#, St. Address, Box # : P.O. Box 549 35425 W. 103rd St

City, State, ZIP Code : 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 42.0 ft. ELEVATION: 908.49

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

WELL'S STATIC WATER LEVEL 9.0 ft. below land surface measured on mo/day/yr 8-24-95

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: 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 X Monitoring well 11 Injection well 12 Other (Specify below)

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 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 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: 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 10 Other (specify) 11 None (open hole)

SCREEN-PERFORATED INTERVALS: From 6.0 ft. to 40.0 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From 5.0 ft. to 42.0 ft., From ft. to ft.

From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite X Other microfine cement

Grout Intervals: From 3.0 ft. to 42.0 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 X Other (specify below) NG Area within

Direction from well? How many feet? within

FROM	TO	LITHOLOGIC LOG
		N/A

FROM	TO	PLUGGING INTERVALS
0.0	3.0	clay soil-tamped
3.0	42.0	Well abandoned by staged pressure grouting with ADDIMENT-MICROCEM microfine cement. A packer was placed approx. 10' above bottom of the well, 12 to 25 gallons of grout pumped at up to 50 psi. The packer was then moved up 10' and another 12 to 25 gallons of grout pumped at up to 50 psi. The procedure was repeated until the entire well annulus and casing were filled to the surface with grout. All surface features were removed, the well casing was excavated to a depth of 3', the casing cut off, then the hole backfilled with clay soil and tamped.
		CF: KDHE, Bureau of Water SFAAP USACE-MRK-EP-GG
		Calculated grout volume = 51.0 gal
		Actual grout take = 53.0 gal

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) 8-24-95 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) 9-29-95 under the business name of U.S. Army Corps of Engineers-KCD by (signature) Steve Snowden

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.