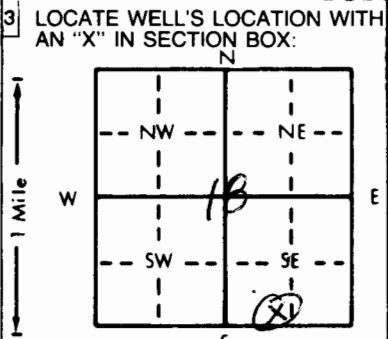


WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: Johnson Fraction SE 1/4 SW 1/4 SE 1/4 Section Number 18 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? 2.5 miles south of Clearview City, Kansas

2 WATER WELL OWNER: Sunflower Army Ammunition Plant Well No. MW-81-28 RR#, St. Address, Box #: P.O. Box 549 35425 W. 103rd St Board of Agriculture, Division of Water Resources City, State, ZIP Code: DeSoto, Ks. 66018 Application Number:



4 DEPTH OF COMPLETED WELL: 22.0 ft. ELEVATION: 894.91 ft. WELL'S STATIC WATER LEVEL: 4.5 ft. below land surface measured on mo/day/yr 8-23-95. 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 X 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 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 ... 21:0 ft. GRAVEL PACK INTERVALS: From ... 5:0 ft. to ... 22:0 ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite X Other microfine cement Grout Intervals: From ... 3:0 ft. to ... 22:0 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 Direction from well? NORTHEAST How many feet? 350

Table with columns: FROM, TO, LITHOLOGIC LOG, PLUGGING INTERVALS. Includes text: '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 = 27.0 gal Actual grout take = 33.0 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) ... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 8-23-95 This Water Well Record was completed on (mo/day/yr) ... under the business name of U.S. Army Corps of Engineers - KED by signature [Signature]