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| 1 LOCATION OF WATER WELL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    | Fraction                                                                                                                                                                                                                                                                                | Section Number | Township Number | Range Number                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| County: <u>Johnson</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | NW 1/4 NW 1/4 NW 1/4                                                                                                                                                                                                                                                                    | 17             | T 13 S          | R 22 <u>E4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Distance and direction from nearest town or city street address of well if located within city?<br><u>1 mile south of Clearview City, KS.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2 WATER WELL OWNER: <u>Sunflower Army Ammunition Plant</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    | Board of Agriculture, Division of Water Resources                                                                                                                                                                                                                                       |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RR#, St. Address, Box # : <u>DeSoto, Kansas</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | Application Number:                                                                                                                                                                                                                                                                     |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| City, State, ZIP Code : <u>Well No. MW 81-55 35425 W. 103rd ST DeSoto, KS. 66018</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 4 DEPTH OF COMPLETED WELL: <u>62.0</u> ft. ELEVATION: <u>878.51</u> ft.                                                                                                                                                                                                                 |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | Depth(s) Groundwater Encountered 1. .... ft. 2. .... ft. 3. .... ft.                                                                                                                                                                                                                    |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | WELL'S STATIC WATER LEVEL <u>13.8</u> ft. below land surface measured on mo/day/yr <u>8-18-95</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 ..... in. to ..... ft. and ..... in. to ..... ft.                                                                                                                                                                                                                    |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | WELL WATER TO BE USED AS:                                                                                                                                                                                                                                                               |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | 5 Public water supply      8 Air conditioning      11 Injection well<br>1 Domestic      3 Feedlot      6 Oil field water supply      9 Dewatering <u>X</u> Other (Specify below)<br>2 Irrigation      4 Industrial      7 Lawn and garden only <u>10</u> Monitoring well ..... <u>X</u> |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | Was a chemical/bacteriological sample submitted to Department? Yes.....No..... <u>X</u> ; If yes, mo/day/yr sample was submitted .....<br>Water Well Disinfected? Yes ..... No <u>X</u>                                                                                                 |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5 TYPE OF BLANK CASING USED:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1 Steel      3 RMP (SR)      5 Wrought iron      8 Concrete tile      CASING JOINTS: Glued ..... Clamped .....<br><u>2 PVC</u> 4 ABS      6 Asbestos-Cement      9 Other (specify below)      Welded .....<br>Blank casing diameter <u>4</u> in. to ..... ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.<br>Casing height above land surface ..... in., weight ..... lbs./ft. Wall thickness or gauge No. ....<br>TYPE OF SCREEN OR PERFORATION MATERIAL: <u>7 PVC</u> <u>X</u> 10 Asbestos-cement<br>1 Steel      3 Stainless steel      5 Fiberglass      8 RMP (SR)      11 Other (specify) .....<br>2 Brass      4 Galvanized steel      6 Concrete tile      9 ABS      12 None used (open hole)<br>SCREEN OR PERFORATION OPENINGS ARE:<br>1 Continuous slot <u>3 Mill slot</u> 5 Gauzed wrapped      8 Saw cut      11 None (open hole)<br>2 Louvered shutter      4 Key punched      6 Wire wrapped      9 Drilled holes<br>7 Torch cut      10 Other (specify) .....<br>SCREEN-PERFORATED INTERVALS: From <u>5.0</u> ft. to <u>60.0</u> ft., From ..... ft. to ..... ft.<br>From ..... ft. to ..... ft., From ..... ft. to ..... ft.<br>GRAVEL PACK INTERVALS: From <u>3.5</u> ft. to <u>62.0</u> ft., From ..... ft. to ..... ft.<br>From ..... ft. to ..... ft., From ..... ft. to ..... ft. |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6 GROUT MATERIAL: 1 Neat cement      2 Cement grout      3 Bentonite      4 Other <u>microfine cement</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Grout Intervals: From <u>3.0</u> ft. to <u>62.0</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<br>2 Sewer lines      5 Cess pool      8 Sewage lagoon      11 Fuel storage      15 Oil well/Gas well<br>3 Watertight sewer lines      6 Seepage pit      9 Feedyard      12 Fertilizer storage      16 Other (specify below)<br>13 Insecticide storage <u>settling pond A</u><br>Direction from well? <u>south</u> How many feet? <u>250</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TO | LITHOLOGIC LOG                                                                                                                                                                                                                                                                          | FROM           | TO              | PLUGGING INTERVALS                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                                         | 3.0            | 0.0             | clay                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                                         | 62.0           | 3.0             | Well abandoned by staged pressure grouting with ADDIMENT-MICROCEM micro-fine cement grout. Packer placed approx. 10' above bottom of well, 12-25 gal grout pumped at up to 50psi. Packer moved up 10' and another 12-25 gallons of grout pumped at up to 50psi. Procedure repeated until well annulus and casing filled with grout to the surface. All surface features removed, well casing excavated to 3', cut-off, and then backfilled with clay soil and tamped. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | CF: KDHE, BUR. Water SFAAP USACE-MRK-EP-GG                                                                                                                                                                                                                                              |                |                 | Calculated grout volume = 77 gallons Actual grout take = 80 gallons                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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>8-18-95</u> 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) <u>27. September. 1995.</u> under the business name of <u>US ARMY CORPS OF ENGINEERS</u> by (signature) <u>Steven J. Brown</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                                                                                                                                                                                                                                                                                         |                |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |