

## Form 3-3

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. 18mw030

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                |                   |                                                   |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------|------------------------------------------|
| 1 LOCATION OF WATER WELL:                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | Fraction                                                                                                                       | Section Number    | Township Number                                   | Range Number                             |
| County: <u>Johnson</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | <u>NE 1/4 SE 1/4 SE 1/4</u>                                                                                                    | <u>24</u>         | <u>T 13 S</u>                                     | <u>R 21 EW</u>                           |
| Location and direction from nearest town or city street address of well if located within city?                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                |                   |                                                   |                                          |
| <u>18mw030 @ Sunflower Army Ammunition Plant, near DeSoto, Kansas</u>                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                                |                   |                                                   |                                          |
| 2 WATER WELL OWNER: <u>US Army Corps of Engineers</u>                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                                |                   |                                                   |                                          |
| RR#, St. Address, Box # : <u>601 East 15th Street</u>                                                                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                                |                   | Board of Agriculture, Division of Water Resources |                                          |
| City, State, ZIP Code : <u>Kansas City, MO 64106</u>                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                                                                |                   | Application Number:                               |                                          |
| 3 LOCATE WELL'S LOCATION WITH                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | 4 DEPTH OF COMPLETED WELL: <u>70.0</u> ft. ELEVATION:                                                                          |                   |                                                   |                                          |
| AN "X" IN SECTION BOX:                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | Depth(s) Groundwater Encountered 1. .... ft. 2. .... ft. 3. .... ft.                                                           |                   |                                                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | WELL'S STATIC WATER LEVEL ..... ft. below land surface measured on mo/day/yr                                                   |                   |                                                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | 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 Domestic (lawn & garden) 10 Monitoring well                                                        |                   |                                                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | Was a chemical/bacteriological sample submitted to Department? Yes. .... No. <u>X</u> ; If yes, mo/day/yr sample was submitted |                   |                                                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | 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. .... |
| 2 PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 4 ABS                                                                                                                          | 6 Asbestos-Cement | 9 Other (specify below)                           | Welded. ....                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                | 7 Fiberglass      |                                                   | Threaded. .... <u>X</u>                  |
| Blank casing diameter ..... in. to <u>59.8</u> 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                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | 3 Stainless steel                                                                                                              | 5 Fiberglass      | 7 PVC                                             | 10 Asbestos-cement                       |
| 2 Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | 4 Galvanized steel                                                                                                             | 6 Concrete tile   | 8 RMP (SR)                                        | 11 Other (specify) ....                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                |                   | 9 ABS                                             | 12 None used (open hole)                 |
| SCREEN OR PERFORATION OPENINGS ARE:                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                                                |                   |                                                   |                                          |
| 1 Continuous slot                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | 3 Mill slot                                                                                                                    | 5 Gauzed wrapped  | 8 Saw cut                                         | 11 None (open hole)                      |
| 2 Louvered shutter                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 4 Key punched                                                                                                                  | 6 Wire wrapped    | 9 Drilled holes                                   |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                | 7 Torch cut       | 10 Other (specify) ..... ft.                      |                                          |
| SCREEN-PERFORATED INTERVALS: From ..... <u>59.8</u> ft. to ..... <u>69.8</u> ft., From ..... ft. to ..... ft.                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                |                   |                                                   |                                          |
| GRAVEL PACK INTERVALS: From ..... <u>5.7</u> ft. to ..... <u>7.0</u> ft., From ..... ft. to ..... ft.                                                                                                                                                                                                                                                                                                                                                              |       |                                                                                                                                |                   |                                                   |                                          |
| 6 GROUT MATERIAL: 1 Neat cement 2 <u>Cement grout</u> 3 Bentonite 4 Other .....                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                                                                |                   |                                                   |                                          |
| Grout Intervals: From ..... <u>1.2</u> ft. to ..... <u>57.0</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                  |
| 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                            | <u>abandoned munitions facility</u>      |
| Direction from well? How many feet?                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                                                                |                   |                                                   |                                          |
| FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TO    | LITHOLOGIC LOG                                                                                                                 | FROM              | TO                                                | PLUGGING INTERVALS                       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3     | silty clay - grayish brown - moist                                                                                             |                   |                                                   |                                          |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7.5   | clayey silt - grayish brown - moist                                                                                            |                   |                                                   |                                          |
| 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.5  | silty clay - reddish brown and mottled gray - moist                                                                            |                   |                                                   |                                          |
| 12.5                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15.25 | silty clay, grayish brown - moist                                                                                              |                   |                                                   |                                          |
| 15.25                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18.75 | clayey silty sand - med grain subangular moderately well sorted - yellowish brown - moist                                      |                   |                                                   |                                          |
| 18.75                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 26.75 | sand fine to med grain subangular well sorted yellowish brown moist                                                            |                   |                                                   |                                          |
| 26.75                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 36    | sand fine to med grain subrounded poorly sorted yellowish brown silty and                                                      |                   |                                                   |                                          |
| 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 39    | South Bend Limestone - dark gray to brownish gray                                                                              |                   |                                                   |                                          |
| 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40.25 | Rock Lake Sandstone - gray brown                                                                                               |                   |                                                   |                                          |
| 40.25                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 41    | shale - dark gray                                                                                                              |                   |                                                   |                                          |
| 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 56    | Stoner Limestone - light gray and tan gray                                                                                     |                   |                                                   |                                          |
| 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 63    | Eschschale - very dark gray to black                                                                                           |                   |                                                   |                                          |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70    | Captain Creek Limestone - light gray to tan gray                                                                               |                   |                                                   |                                          |
| 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>02/25/2005</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. <u>709</u> This Water Well Record was completed on (mo/day/yr) <u>5/02/05</u> under the business name of <u>Max's</u> by (signature) <u>David Nunnigba</u> |       |                                                                                                                                |                   |                                                   |                                          |
| 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 785-296-5524. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.                                                            |       |                                                                                                                                |                   |                                                   |                                          |