

Form 3-3

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No. 044MWOOD2

| 1 LOCATION OF WATER WELL: | | Fraction | Section Number | Township Number | Range Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|--|----------------|--|--------------------|------|----|----------------|------|----|--------------------|---|---|---------------------------|--|--|--|---|----|-------------------------|--|--|--|----|----|------------------|--|--|--|----|----|-----------------------|--|--|--|----|----|---------------------------|--|--|--|----|------|------------------------|--|--|--|
| County: JOHNSON | | SW 1/4 SW 1/4 SEE 1/4 | 12 | T 13 S | R 21 EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distance and direction from nearest town or city street address of well if located within city? 044MWOOD2 @ SUNFLOWER ARMY AMMUNITION PLANT NEAR DESOTO, KS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 WATER WELL OWNER: US ARMY CORPS OF ENGINEERS. | | Board of Agriculture, Division of Water Resources | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RR#, St. Address, Box #: 601 E. 12TH STREET | | Application Number: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City, State, ZIP Code: KANSAS CITY, MO 64106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: | | 4 DEPTH OF COMPLETED WELL: 29.5 ft. ELEVATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 PVC | | 4 ABS | | 6 Asbestos-Cement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 7 Fiberglass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blank casing diameter in. to 19.3 ft., Dia | | | | 8 Concrete tile | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Casing height above land surface 36 in., weight | | | | 9 Other (specify below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | CASING JOINTS: Glued. Clamped. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Welded. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Threaded. <u>X</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPE OF SCREEN OR PERFORATION MATERIAL: | | 7 PVC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Steel | | 3 Stainless steel | | 5 Fiberglass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Brass | | 4 Galvanized steel | | 6 Concrete tile | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 8 RMP (SR) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 9 ABS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 10 Asbestos-cement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 11 Other (specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 12 None used (open hole) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCREEN OR PERFORATION OPENINGS ARE: | | 5 Gauzed wrapped | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Continuous slot | | 3 Mill slot | | 8 Saw cut | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Louvered shutter | | 4 Key punched | | 9 Drilled holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 10 Other (specify) ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REEN-PERFORATED INTERVALS: From 19.3 ft. to 29.3 ft., From | | 11 None (open hole) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRAVEL PACK INTERVALS: From 17.3 ft. to 29.5 ft., From | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grout intervals: From 0 ft. to 14.5 ft., From | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| What is the nearest source of possible contamination: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Septic tank | | 4 Lateral lines | | 7 Pit privy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Sewer lines | | 5 Cess pool | | 8 Sewage lagoon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 Watertight sewer lines | | 6 Seepage pit | | 9 Feedyard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 10 Livestock pens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 11 Fuel storage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 12 Fertilizer storage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 13 Insecticide storage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 14 Abandoned water well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 15 Oil well/Gas well | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 16 Other (specify below) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ABANDONED MUNITIONS FACILITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direction from well? | | How many feet? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>LITHOLOGIC LOG</th> <th>FROM</th> <th>TO</th> <th>PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5</td> <td>CLAY W TRAIL SAND 4/4 SYR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>10</td> <td>FAT CLAY W/SAND 5/4 SYR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>15</td> <td>FAT CLAY 4/4 SYR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>20</td> <td>CLAY W/SAND 4/4 7.5YR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>20</td> <td>25</td> <td>FAT CLAY W/SAND 4/4 7.5YR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>25</td> <td>29.5</td> <td>SANDY FAT CLAY 5/4 SYR</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS | 1 | 5 | CLAY W TRAIL SAND 4/4 SYR | | | | 5 | 10 | FAT CLAY W/SAND 5/4 SYR | | | | 10 | 15 | FAT CLAY 4/4 SYR | | | | 15 | 20 | CLAY W/SAND 4/4 7.5YR | | | | 20 | 25 | FAT CLAY W/SAND 4/4 7.5YR | | | | 25 | 29.5 | SANDY FAT CLAY 5/4 SYR | | | |
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RECEIVED

DEC 09 2004

BUREAU OF WATER

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) 10/2/03 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. 704 This Water Well Record was completed on (mo/day/yr) 10/2/03 under the business name of mads by (signature) David Hough