

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                                            |                |                 |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------------|
| 1 LOCATION OF WATER WELL:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | Fraction                                                                                                   | Section Number | Township Number | Range Number          |
| County: <u>Johnson</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | $\frac{1}{4}$ $\frac{1}{4}$ <u>NW</u> $\frac{1}{4}$                                                        | <u>31</u>      | T <u>13</u> S   | R <u>22</u> <u>EX</u> |
| Distance and direction from nearest town or city street address of well if located within city?<br><u>Well 16MWO02 at Sunflower AAP near DeSoto KS</u>                                                                                                                                                                                                                                                                                                                            |      |                                                                                                            |                |                 |                       |
| 2 WATER WELL OWNER: <u>USACE % Burns &amp; McDonnell</u>                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                                                                            |                |                 |                       |
| RR#, St. Address, Box #: <u>9400 Ward Parkway</u>                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                            |                |                 |                       |
| City, State, ZIP Code: <u>Kansas City MO 64114</u>                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                                            |                |                 |                       |
| Board of Agriculture, Division of Water Resources<br>Application Number:                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                                                                            |                |                 |                       |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 4 DEPTH OF COMPLETED WELL <u>19.8</u> ft. ELEVATION: <u>15.5</u> ft.                                       |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Depth(s) Groundwater Encountered 1. <u>15.5</u> ft. 2. <u>19.8</u> ft. 3. <u>19.8</u> ft.                  |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | WELL'S STATIC WATER LEVEL <u>19.8</u> ft. below land surface measured on mo/day/yr                         |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Pump test data: Well water was <u>19.8</u> ft. after <u>15.5</u> hours pumping <u>19.8</u> gpm             |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Est. Yield <u>19.8</u> gpm: Well water was <u>19.8</u> ft. after <u>15.5</u> hours pumping <u>19.8</u> gpm |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Bore Hole Diameter <u>10</u> in. to <u>19.8</u> in. and <u>19.8</u> in. to <u>19.8</u> in.                 |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well                       |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)                        |                |                 |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | 2 Irrigation 4 Industrial 7 Lawn and garden only <u>10</u> Monitoring well                                 |                |                 |                       |
| Was a chemical/bacteriological sample submitted to Department? Yes <u>X</u> No <u>X</u> ; If yes, mo/day/yr sample was submitted                                                                                                                                                                                                                                                                                                                                                  |      |                                                                                                            |                |                 |                       |
| Water Well Disinfected? Yes <u>X</u> No <u>X</u>                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                                                                                                            |                |                 |                       |
| 5 TYPE OF BLANK CASING USED:                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                            |                |                 |                       |
| 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued <u>X</u> Clamped <u>X</u>                                                                                                                                                                                                                                                                                                                                                                                  |      |                                                                                                            |                |                 |                       |
| <u>2</u> PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded <u>X</u>                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                            |                |                 |                       |
| Blank casing diameter <u>2</u> in. to <u>9.5</u> ft. Dia. <u>9.5</u> in. to <u>9.5</u> ft. Dia. <u>9.5</u> in. to <u>9.5</u> ft.                                                                                                                                                                                                                                                                                                                                                  |      |                                                                                                            |                |                 |                       |
| Casing height above land surface <u>30</u> in. weight <u>30</u> lbs./ft. Wall thickness or gauge No. <u>Sch 40</u>                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                                            |                |                 |                       |
| TYPE OF SCREEN OR PERFORATION MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                                                                                            |                |                 |                       |
| 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement                                                                                                                                                                                                                                                                                                                                                                                                              |      |                                                                                                            |                |                 |                       |
| 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                               |      |                                                                                                            |                |                 |                       |
| SCREEN OR PERFORATION OPENINGS ARE:                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |                                                                                                            |                |                 |                       |
| 1 Continuous slot <u>3</u> Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)                                                                                                                                                                                                                                                                                                                                                                                               |      |                                                                                                            |                |                 |                       |
| 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                                            |                |                 |                       |
| 3 Torch cut 10 Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                                            |                |                 |                       |
| SCREEN-PERFORATED INTERVALS: From <u>9.5</u> ft. to <u>19.5</u> ft. From <u>9.5</u> ft. to <u>19.5</u> ft.                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                                            |                |                 |                       |
| GRAVEL PACK INTERVALS: From <u>7.5</u> ft. to <u>19.8</u> ft. From <u>7.5</u> ft. to <u>19.8</u> ft.                                                                                                                                                                                                                                                                                                                                                                              |      |                                                                                                            |                |                 |                       |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout <u>3</u> Bentonite 4 Other                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                                            |                |                 |                       |
| Grout Intervals: From <u>3</u> ft. to <u>7.5</u> ft. From <u>3</u> ft. to <u>7.5</u> 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 <u>16</u> Other (specify below) <u>Ammunition plant</u>                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                                            |                |                 |                       |
| 13 Insecticide storage                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                                                                                                            |                |                 |                       |
| Direction from well? How many feet?                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |                                                                                                            |                |                 |                       |
| FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TO   | LITHOLOGIC LOG                                                                                             | FROM           | TO              | PLUGGING INTERVALS    |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3    | DK brn silty clay                                                                                          |                |                 |                       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10   | Brown silty clay                                                                                           |                |                 |                       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15   | Gray clayey sand                                                                                           |                |                 |                       |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16.5 | Brown clayey sand                                                                                          |                |                 |                       |
| 16.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19   | Highly weathered shale                                                                                     |                |                 |                       |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19.8 | Weathered limestone                                                                                        |                |                 |                       |
| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <u>(1)</u> constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>2/17/97</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>570</u> This Water Well Record was completed on (mo/day/yr) <u>6/7/97</u> under the business name of <u>AQUADRIIL, INC.</u> by (signature) <u>Diane J. Jodan</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: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.                                                                                                                   |      |                                                                                                            |                |                 |                       |