

|                                                                                                                                                                           |    |                                                                                                                                   |  |                |    |                    |  |              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------|----|--------------------|--|--------------|--|
| 1 LOCATION OF WATER WELL                                                                                                                                                  |    | Fraction                                                                                                                          |  | Section Number |    | Township Number    |  | Range Number |  |
| County: <b>Rush</b>                                                                                                                                                       |    | SE 1/4 SW 1/4 NE 1/4                                                                                                              |  | 35             |    | T 19 S             |  | R 16 E/W     |  |
| Distance and direction from nearest town or city street address of well if located within city?<br><b>Approximately 7 1/2 miles south and 1 3/4 miles east of Shaffer</b> |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| 2 WATER WELL OWNER                                                                                                                                                        |    | Heartland Farms<br>Larry Hesel<br>Route 1 - Box 37<br>Pawnee Rock, KS 67567                                                       |  |                |    |                    |  |              |  |
| RR#, St. Address, Box #                                                                                                                                                   |    | Board of Agriculture, Division of Water Resources                                                                                 |  |                |    |                    |  |              |  |
| City, State, ZIP Code                                                                                                                                                     |    | Application Number                                                                                                                |  |                |    |                    |  |              |  |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:                                                                                                                      |    | 4 DEPTH OF COMPLETED WELL: <b>77</b> ft. ELEVATION: <b>unknown</b>                                                                |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Depth(s) Groundwater Encountered: 1. _____ ft. 2. _____ ft. 3. _____ ft.                                                          |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | WELL'S STATIC WATER LEVEL: <b>28.1</b> ft. below land surface measured on mo/day/yr: <b>7-19-94</b>                               |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Pump test data: Well water was <b>not ch'd</b> ft. after _____ hours pumping _____ gpm                                            |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Est. Yield <b>unknown</b> gpm. Well water was _____ ft. after _____ hours pumping _____ gpm                                       |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Bore Hole Diameter: <b>10</b> in. to <b>75</b> ft. and _____ in. to _____ ft.                                                     |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well                                              |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)                                               |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well                                                               |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Was a chemical/bacteriological sample submitted to Department? Yes _____ No <b>X</b> If yes, mo/day/yr sample was submitted _____ |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | Water Well Disinfected? Yes <b>X</b> No _____                                                                                     |  |                |    |                    |  |              |  |
| 5 TYPE OF BLANK CASING USED:                                                                                                                                              |    | CASING JOINTS: Glued <b>X</b> Clamped _____                                                                                       |  |                |    |                    |  |              |  |
| 1 Steel 3 RMP (SR)                                                                                                                                                        |    | 5 Wrought iron 8 Concrete tile                                                                                                    |  |                |    |                    |  |              |  |
| 2 PVC 4 ABS                                                                                                                                                               |    | 6 Asbestos-Cement 9 Other (specify below) Welded _____                                                                            |  |                |    |                    |  |              |  |
| 7 Fiberglass                                                                                                                                                              |    | Threaded _____                                                                                                                    |  |                |    |                    |  |              |  |
| Blank casing diameter: <b>5</b> in. to <b>47</b> ft. Dia. _____ in. to _____ ft. Dia. _____ in. to _____ ft.                                                              |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| Casing height above land surface: <b>24</b> in., weight <b>2.36</b> lbs. ft. Wall thickness or gauge No. <b>.214</b>                                                      |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| TYPE OF SCREEN OR PERFORATION MATERIAL:                                                                                                                                   |    | 7 PVC 10 Asbestos-cement                                                                                                          |  |                |    |                    |  |              |  |
| 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____                                                                                                |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)                                                                                                 |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| SCREEN OR PERFORATION OPENINGS ARE                                                                                                                                        |    | 5 Gauzed wrapped 8 Saw cut 11 None (open hole)                                                                                    |  |                |    |                    |  |              |  |
| 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes                                                                                                              |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| 2 Tapered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____                                                                                                      |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| SCREEN-PERFORATED INTERVALS: From <b>47</b> ft. to <b>75</b> ft. From _____ ft. to _____ ft.                                                                              |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| GRAVEL PACK INTERVALS: From <b>22</b> ft. to <b>36</b> ft. From _____ ft. to _____ ft.                                                                                    |    |                                                                                                                                   |  |                |    |                    |  |              |  |
|                                                                                                                                                                           |    | From <b>40</b> ft. to <b>75</b> ft. From _____ ft. to _____ ft.                                                                   |  |                |    |                    |  |              |  |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other <b>Bentonite Holeplug</b>                                                                              |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| Grout Intervals: From <b>Topsoil 0</b> ft. to <b>4</b> ft. From <b>4</b> ft. to <b>22</b> ft. From <b>36</b> ft. to <b>40</b> ft.                                         |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| What is the nearest source of possible contamination:                                                                                                                     |    | 10 Livestock pens 14 Abandoned water well                                                                                         |  |                |    |                    |  |              |  |
| 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well Gas well                                                                                            |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)                                                                                  |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| 3 Wastewater sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage <b>None known</b>                                                                                |    |                                                                                                                                   |  |                |    |                    |  |              |  |
| Direction from well?                                                                                                                                                      |    | How many feet?                                                                                                                    |  |                |    |                    |  |              |  |
| FROM                                                                                                                                                                      | TO | LITHOLOGIC LOG                                                                                                                    |  | FROM           | TO | PLUGGING INTERVALS |  |              |  |
| 0                                                                                                                                                                         | 4  | Topsoil                                                                                                                           |  |                |    |                    |  |              |  |
| 4                                                                                                                                                                         | 32 | Clay, brown                                                                                                                       |  |                |    |                    |  |              |  |
| 32                                                                                                                                                                        | 40 | Clay, soft, sandy                                                                                                                 |  |                |    |                    |  |              |  |
| 40                                                                                                                                                                        | 52 | Clay, hard, brown                                                                                                                 |  |                |    |                    |  |              |  |
| 52                                                                                                                                                                        | 63 | Clay with some sand                                                                                                               |  |                |    |                    |  |              |  |
| 63                                                                                                                                                                        | 75 | Clay with gravel and rock, some sand                                                                                              |  |                |    |                    |  |              |  |
| 75                                                                                                                                                                        |    | Shale                                                                                                                             |  |                |    |                    |  |              |  |

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/yr) **7-19-94** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **185** This Water Well Record was completed on (mo/day/yr) **7-20-94** under the business name of **Clarke Well & Equipemnt, Inc.** by (signature) *[Signature]*