

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                                                                                   |                |                             |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------|-------------------------------------------------|
| 1 LOCATION OF WATER WELL:                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     | Fraction                                                                                                                          | Section Number | Township Number             | Range Number                                    |
| County: <u>Gray</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     | <u>NW</u> $\frac{1}{4}$ <u>Center</u> $\frac{1}{4}$ <u>NW</u> $\frac{1}{4}$                                                       | <u>8</u>       | <u>T</u> <u>27</u> <u>S</u> | <u>R</u> <u>30</u> <u>E/W</u>                   |
| Distance and direction from nearest town or city street address of well if located within city?<br><u>12 1/2 Miles North &amp; 1/4 East of Copeland</u>                                                                                                                                                                                                                                                                                                                          |     |                                                                                                                                   |                |                             |                                                 |
| 2 WATER WELL OWNER: <u>Charles Koehn</u>                                                                                                                                                                                                                                                                                                                                                                                                                                         |     | Board of Agriculture, Division of Water Resources                                                                                 |                |                             |                                                 |
| RR#, St. Address, Box #: <u>Route 1 Box 20</u>                                                                                                                                                                                                                                                                                                                                                                                                                                   |     | Application Number: <u>Gy 025</u>                                                                                                 |                |                             |                                                 |
| City, State, ZIP Code: <u>Copeland Kansas 67837</u>                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                                                                                                                   |                |                             |                                                 |
| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:                                                                                                                                                                                                                                                                                                                                                                                                                             |     | 4 DEPTH OF COMPLETED WELL: <u>186</u> ft. ELEVATION:                                                                              |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Depth(s) Groundwater Encountered 1. <u>150</u> ft. 2. <u>158</u> ft. 3. <u>175</u> ft.                                            |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | WELL'S STATIC WATER LEVEL <u>140</u> ft. below land surface measured on mo/day/yr <u>6-5-97</u>                                   |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm                                                      |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Est. Yield <u>300</u> gpm: Well water was _____ ft. after _____ hours pumping _____ gpm                                           |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Bore Hole Diameter <u>26</u> in. to <u>186</u> 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 <u>X</u> If yes, mo/day/yr sample was submitted _____ |                |                             |                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | Water Well Disinfected? Yes <u>XX</u> No _____                                                                                    |                |                             |                                                 |
| 5 TYPE OF BLANK CASING USED:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     | CASING JOINTS: <u>Glued &amp; Bolted</u>                                                                                          |                |                             |                                                 |
| 1 Steel 3 RMP (SR)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     | 6 Asbestos-Cement 9 Other (specify below) _____                                                                                   |                |                             |                                                 |
| 2 PVC 4 ABS                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 7 Fiberglass _____                                                                                                                |                |                             |                                                 |
| Blank casing diameter <u>16</u> in. to <u>166</u> ft. Dia _____ in. to _____ ft. Dia _____ in. to _____ ft.                                                                                                                                                                                                                                                                                                                                                                      |     |                                                                                                                                   |                |                             |                                                 |
| Casing height above land surface <u>12</u> in. weight _____ lbs./ft. Wall thickness or gauge No. <u>SDR 26</u>                                                                                                                                                                                                                                                                                                                                                                   |     |                                                                                                                                   |                |                             |                                                 |
| 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 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____                                                                                                                                                                                                                                                                                                                                                                                                            |     |                                                                                                                                   |                |                             |                                                 |
| SCREEN-PERFORATED INTERVALS: From <u>166</u> ft. to <u>186</u> ft. From _____ ft. to _____ ft.                                                                                                                                                                                                                                                                                                                                                                                   |     |                                                                                                                                   |                |                             |                                                 |
| GRAVEL PACK INTERVALS: From <u>20</u> ft. to <u>186</u> ft. From _____ ft. to _____ ft.                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                                                                                                   |                |                             |                                                 |
| 6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                                                                                                   |                |                             |                                                 |
| Grout Intervals: From <u>0</u> ft. to <u>20</u> ft. From _____ ft. to _____ 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 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                                                                                                   |                |                             |                                                 |
| Direction from well? _____                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | How many feet? _____                                                                                                              |                |                             |                                                 |
| FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TO  | LITHOLOGIC LOG                                                                                                                    | FROM           | TO                          | PLUGGING INTERVALS                              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15  | Topsoil & clay                                                                                                                    | 154            | 158                         | Clay                                            |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 35  | Clay                                                                                                                              | 158            | 165                         | Sand                                            |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45  | Sand                                                                                                                              | 165            | 175                         | Clay & little lime (1' hard) & little fine sand |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60  | Sand & little clay                                                                                                                |                |                             |                                                 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75  | Sand & Gravel & little cemented sand                                                                                              | 175            | 180                         | Sand                                            |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 78  | Sand & Cemented sand                                                                                                              | 180            | 195                         | Clay & little lime                              |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 90  | Clay & little lime & little sand                                                                                                  |                |                             |                                                 |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 105 | Clay & little lime (little hard)                                                                                                  |                |                             |                                                 |
| 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 120 | Sand & little clay & little cemented sand (1' hard)                                                                               |                |                             |                                                 |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 123 | Sand & cemented sand (hard)                                                                                                       |                |                             |                                                 |
| 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 135 | Sand & little cemented sand (1' hard)                                                                                             |                |                             |                                                 |
| 135                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 138 | Sand & little cemented sand                                                                                                       |                |                             |                                                 |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 150 | Clay & little lime                                                                                                                |                |                             |                                                 |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 154 | Sand & 1' clay                                                                                                                    |                |                             |                                                 |
| 7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>6-7-97</u> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>223</u> This Water Well Record was completed on (mo/day/yr) <u>6-12-97</u> under the business name of <u>Dunham Drilling Company</u> by (signature) <u>Karen Dunham</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.                                                                                                                  |     |                                                                                                                                   |                |                             |                                                 |

OFFICE USE ONLY

T

R

E/W

SEC.

1/4

1/4

1/4