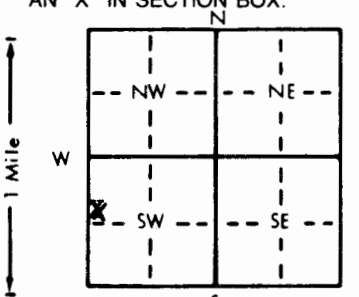


1 LOCATION OF WATER WELL: Fraction **SW 1/4 NW 1/4 SW 1/4** Section Number **13** Township Number **T 27 S** Range Number **R 31 E W**

Distance and direction from nearest town or city street address of well if located within city?  
**10 1/2 North 2 West 1/4 North of Copeland**

2 WATER WELL OWNER: **Howard Koehn**  
 RR#, St. Address, Box # : **Route 1 Box 28A** Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code : **Copeland, Kansas 67837** Application Number: **12634**

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  

 4 DEPTH OF COMPLETED WELL... **260** ft. ELEVATION:  
 Depth(s) Groundwater Encountered 1. **169** ft. 2. **190** ft. 3. **241** ft. **249** ft.  
 WELL'S STATIC WATER LEVEL... **145** ft. below land surface measured on **mo/day/yr** **4-5-96**  
 Pump test data: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Est. Yield **600** gpm: Well water was \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm  
 Bore Hole Diameter... **26** in. to **260** 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 **X** \_\_\_\_\_; If yes, mo/day/yr sample was submitted  
 Water Well Disinfected? Yes **X** No

5 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued **X** Clamped \_\_\_\_\_  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded \_\_\_\_\_  
 7 Fiberglass Threaded \_\_\_\_\_  
 Blank casing diameter... **16** in. to **220** ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft., Dia \_\_\_\_\_ in. to \_\_\_\_\_ ft.  
 Casing height above land surface... **12** in., weight \_\_\_\_\_ lbs./ft. Wall thickness or gauge No. **C1160**  
 TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 7 PVC 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 8 RMP (SR) 11 Other (specify) \_\_\_\_\_  
 9 ABS 12 None used (open hole)  
 SCREEN OR PERFORATION OPENINGS ARE:  
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)  
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes  
 7 Torch cut 10 Other (specify) \_\_\_\_\_  
 SCREEN-PERFORATED INTERVALS: From... **220** ft. to **260** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 GRAVEL PACK INTERVALS: From... **20** ft. to **260** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other \_\_\_\_\_  
 Grout Intervals: From... **0** ft. to **20** ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft., From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well  
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well  
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)  
 13 Insecticide storage  
 Direction from well? **Southwest** How many feet? **1220**

| FROM | TO  | LITHOLOGIC LOG                           | FROM | TO  | PLUGGING INTERVALS    |
|------|-----|--|------|-----|-----------------------|
| 0    | 15  | Topsoil & clay & Fine sand               | 169  | 175 | Sand & clay (streaks) |
| 15   | 30  | Clay & Fine sand                         | 175  | 180 | Sand & 1' Clay        |
| 30   | 45  | Fine sand & clay                         | 180  | 184 | Sand                  |
| 45   | 60  | Sand                                     | 184  | 190 | Clay & little lime    |
| 60   | 75  | Sand & Gravel                            | 190  | 194 | Sand                  |
| 75   | 90  | Sand & Gravel & little clay              | 194  | 200 | Clay                  |
| 90   | 109 | Sand & Gravel                            | 200  | 210 | Sand                  |
| 109  | 120 | Clay & little lime (hard) 1' (Very hard) |      |     |                       |
| 120  | 127 | Clay                                     | 210  | 221 | Clay                  |
| 127  | 135 | Sand & little cemented sand              | 221  | 229 | Clay & Fine Sand      |
| 135  | 137 | Clay & lime                              | 229  | 240 | Clay & little lime    |
| 137  | 146 | Clay & little lime                       | 240  | 241 | Sand & Clay           |
| 146  | 150 | Sand & clay & little cemented sand       | 241  | 245 | Sand & Clay           |
| 150  | 162 | Sand & 2' Cemented sand                  | 245  | 249 | Clay & little lime    |
| 162  | 169 | Clay                                     | 249  | 259 | Sand & Clay           |
|      |     |  | 259  | 260 | Clay & little lime    |

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) **4-8-96** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **223** This Water Well Record was completed on (mo/day/yr) **5-6-96** under the business name of **Dunham Drilling Co** by (signature) *Karen Dunham*

OFFICE USE ONLY  
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1/4