

WATER WELL RECORD Form WWC-5 KSA 82a-1212

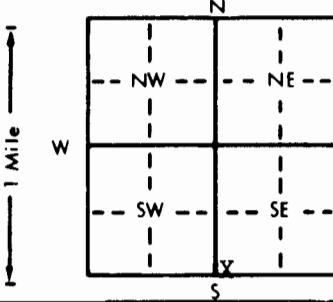
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|---------------------------|----------------------------------|----------------------|---------------------------|--------------------------|
| 1 LOCATION OF WATER WELL: | Fraction SW 1/4 SW 1/4 SE 1/4 | Section Number 17 | Township Number T 27 S | Range Number R 30 E/W |
|---------------------------|----------------------------------|----------------------|---------------------------|--------------------------|

County: Gray
Distance and direction from nearest town or city street address of well if located within city?

10 1/2 miles North & 1/2 Mile East of Copeland

| | | |
|---|---|---|
| 2 WATER WELL OWNER: Mr. Keith Unruh | RR#, St. Address, Box #: Routel Box 22B | Board of Agriculture, Division of Water Resources |
| City, State, ZIP Code: Copeland, Kansas 67837 | Application Number: 8975D1 | |

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| 3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: | 4 DEPTH OF COMPLETED WELL..... 280 ft. ELEVATION: |
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Depth(s) Groundwater Encountered 1..... 205..... ft. 2..... 245..... ft. 3..... 253..... ft.

WELL'S STATIC WATER LEVEL .147..... ft. below land surface measured on mo/day/yr 5-20-94.....

Pump test data: Well water was 180..... ft. after 4..... hours pumping 700..... gpm

Est. Yield .1000. gpm: Well water was 260..... ft. after 2..... hours pumping 900..... gpm

Bore Hole Diameter..... 25..... in. to 280'..... 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..... If yes, mo/day/yr sample was submitted

Water Well Disinfected? Yes No

| | | | |
|------------------------------|----------------|-----------------|--|
| 5 TYPE OF BLANK CASING USED: | 5 Wrought iron | 8 Concrete tile | CASING JOINTS: Glued .. <input checked="" type="checkbox"/> .. Clamped |
|------------------------------|----------------|-----------------|--|

1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded

2 PVC 4 ABS 7 Fiberglass

Threaded.....

Blank casing diameter 16..... in. to 240..... ft., Dia..... in. to ft., Dia..... in. to ft.

Casing height above land surface 12"..... in., weight lbs./ft. Wall thickness or gauge No. /CL160.616.....

| | | |
|---|-------|--------------------|
| 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)

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| SCREEN-PERFORATED INTERVALS: | From..... 240..... ft. to 280..... ft., From..... ft. to ft. |
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From..... ft. to ft., From..... ft. to ft.

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| GRAVEL PACK INTERVALS: | From..... 20..... ft. to 280..... ft., From..... ft. to ft. |
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From..... ft. to ft., From..... ft. to ft.

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| 6 GROUT MATERIAL: | 1 Neat cement 2 Cement grout 3 Bentonite 4 Other |
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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? East (plugged by farmer) How many feet? 300

| LITHOLOGIC LOG | | | PLUGGING INTERVALS | | |
|----------------|-----|------------------------------------|--------------------|-----|---------------------------------|
| FROM | TO | | FROM | TO | |
| 0 | 15 | Topsoil & Clay | 240 | 246 | Clay & little lime |
| 15 | 30 | Fine Sand & Clay | 246 | 249 | Sand (little fine) |
| 30 | 45 | Fine Sand & clay & little lime (H) | 249 | 253 | Clay & little lime |
| 45 | 60 | Sand & Gravel - little clay | 253 | 255 | Sand |
| 60 | 90 | Sand & Gravel | 255 | 270 | Sand & little cemented sand (H) |
| 90 | 105 | Sand & little clay | 270 | 275 | Sand (course) Very Good |
| 105 | 132 | Sand & little clay | 275 | 285 | Clay & lime (hard) |
| 132 | 135 | Clay & little lime | | | |
| 135 | 150 | Clay & little lime & little sand | | | |
| 150 | 190 | Clay & little lime | | | |
| 190 | 205 | Clay & little lime & little sand | | | |
| 205 | 210 | Sand & little clay | | | |
| 210 | 218 | XXXXXX Sand (little fine) | | | |
| 218 | 225 | Clay & little lime | | | |
| 225 | 240 | Clay | | | |

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| 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) 5-23-94..... and this record is true to the best of my knowledge and belief. Kansas |
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Water Well Contractor's License No. 223..... This Water Well Record was completed on (mo/day/yr) 6-3-94..... under the business name of Dunham Drilling Co. by (signature) Karen Dunham