

1 LOCATION OF WATER WELL: Fraction SW 1/4 SE 1/4 SE 1/4 Section Number 34 Township Number T 27 S Range Number R 31 EW

Distance and direction from nearest town or city street address of well if located within city?
 Approximately 7 1/2 miles North & 3 1/2 miles West of Copeland, Ks.

2 WATER WELL OWNER: Lawrence Withers
 RR#, St. Address, Box #: Route 1, Box 68 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Copeland, Ks. 67837 Application Number: 4020 & 7962

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram showing a 2x2 grid with NW, NE, SW, SE quadrants. An 'X' is marked in the SE quadrant. A vertical line on the left is labeled '1 Mile' and 'W'. A horizontal line at the bottom is labeled 'S'. A vertical line on the right is labeled 'E'. A horizontal line at the top is labeled 'N'. The 'X' is in the bottom-right quadrant.

4 DEPTH OF COMPLETED WELL... 593' ft. ELEVATION: ...
 Depth(s) Groundwater Encountered 1. ... ft. 2. ... ft. 3. ... ft.
 WELL'S STATIC WATER LEVEL ... 200' ft. below land surface measured on mo/day/yr 8/27/88.
 Pump test data: Well water was ... ft. after ... hours pumping ... gpm
 Est. Yield 1500 gpm: Well water was 245' ft. after 4 hours pumping 1287 gpm
 Bore Hole Diameter ... 30" in. to 593' 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 No X

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued ... Clamped ...
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded . X ...
 2 PVC 4 ABS 7 Fiberglass ... Threaded ...
 Blank casing diameter ... 16" in. to 593' ft., Dia ... in. to ... ft., Dia ... in. to ... ft.
 Casing height above land surface ... 12" in., weight 42.05 (.16") .52 .73 (20") lbs./ft. Wall thickness or gauge No. .250 .250
 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 573-593 ft. to 500-510 ft., From 370-380 ft. to 296-306 ft.
 From 522-562 ft. to 400-430 ft., From 311-341 ft. to 268-288 ft.
 GRAVEL PACK INTERVALS: From ... 20 ft. to 593 ft., From ... ft. to 237-247 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 ... None observed

Direction from well? How many feet?

| FROM | TO | LITHOLOGIC LOG | FROM | TO | PLUGGING INTERVALS |
|------|----|------------------|------|----|--------------------|
| | | See attached log | | | |
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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) 8/27/88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 8/31/88 under the business name of Henkle Drilling & Supply Company, Inc. by (signature) [Signature]

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 Protection, Topeka, Kansas 66620-7320. Telephone: 913-296-5514. Send one to WATER WELL OWNER and retain one for your records.

9720000088-20

DRILLERS TEST LOG

CUSTOMERS NAME Lawrence Withers DATE 6-27-85
 STREET ADDRESS Rt 1 TEST # 1 E. LOG yes
 CITY & STATE Copeland, KS 67837 DRILLER Livingston
 COUNTY Haskell QUARTER SE SECTION 34 TOWNSHIP 27 RANGE 31
 LOCATION 75' west of well Well location

| % | FOOTAGE | | DESCRIPTION OF STRATA | Static Water Level _____ |
|----|---------|--------|---|---------------------------|
| | From | Pay To | | Proposed Well Depth _____ |
| | 0 | 2 | Top soil | |
| | 2 | 37 | Brown sandy clay and few fine sand streaks | |
| | 37 | 45 | Sand, fine to medium | |
| | 45 | 81 | Brown sandy clay, caliche and fine sand | |
| | 81 | 94 | Brown sandy clay, caliche | |
| | 94 | 156 | Sand, fine to medium, small to large gravel, drills rough in places | |
| | 156 | 203 | Sand, fine to medium, small gravel and few clay streaks | |
| | 203 | 217 | Brown sandy clay, limerock | |
| 50 | 217 | 09 226 | Sand, fine to medium coarse, small gravel | |
| | 226 | 232 | Gray sandy clay and limerock | |
| 65 | 232 | 15 247 | Sand, fine to medium coarse, small gravel | |
| | 247 | 260 | Brown sandy clay and limerock ledges and fine sand streaks | |
| | 260 | 267 | Limerock | |
| 70 | 267 | 22 289 | Sand, fine to medium coarse, small to medium gravel, loose | |
| | 289 | 295 | Brown sandy clay | |
| 60 | 295 | 12 307 | Sand, fine to medium coarse, small gravel | |
| | 307 | 310 | Brown sand and clay | |
| 75 | 310 | 32 342 | Sand, fine to medium coarse, small to medium gravel, very loose in places | |
| | 342 | 372 | Brown sandy clay and limerock | |
| 60 | 372 | 08 380 | Sand, fine to medium coarse, small gravel | |
| | 380 | 400 | Brown sandy clay and few sand streaks | |
| 55 | 400 | 31 431 | Sand, fine to medium coarse, few small gravel and clay streaks | |
| | 431 | 500 | Brown sandy clay, limerock and few fine sand streaks | |
| 30 | 500 | 07 507 | Sand, fine, small | |
| | 507 | 528 | Brown sandy clay and few fine sand streaks | |
| 80 | 528 | 20 548 | Sand, fine to medium coarse, small to medium, brown gravel and brown rock | |
| | 548 | 554 | Brown clay | |
| 80 | 554 | 08 562 | Sand, fine to medium coarse, small to medium brown gravel and brown rock | |
| | 562 | 578 | Yellow and gray soapstone, few sandstone streaks | |
| 30 | 578 | 13 591 | Sandstone, loose | |
| | 591 | 595 | Weathered shale, limestone at 593', hard | |
| | | | Set up west | |
| | | | Pit on the north | |
| | | | TOTAL DEPTH 593' | |

GARDEN CITY, KS
 Phone 276-3278
 TEST HOLES * * * * *

HENKLE DRILLING & SUPPLY CO., INC.
 IRRIGATION HEADQUARTERS

SUBLETTE, KS
 Phone 675-4311
 * * * * * STOCK WELLS