

**WATER WELL RECORD Form WWC-5**

Division of Water Resources App. No.

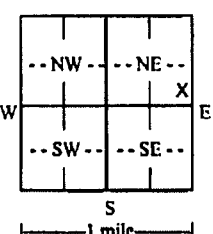
**MW-3**

Well ID

Original Record  Correction  Change in Well Use

|   |                                 |                            |                                  |  |
|---|---------------------------------|----------------------------|----------------------------------|--|
| <b>1 LOCATION OF WATER WELL:</b><br>County: <b>Seward</b> | Fraction<br>SE ¼ SE ¼ SE ¼ NE ¼ | Section Number<br><b>5</b> | Township Number<br>T <b>35</b> S | Range Number<br>R <b>33</b> <input type="checkbox"/> E <input checked="" type="checkbox"/> W |
|---|---------------------------------|----------------------------|----------------------------------|--|

|  |  |
|--|--|
| <b>2 WELL OWNER:</b> Last Name: <b>Circle K Stores</b><br>Business: <b>Circle K Stores</b><br>Address: <b>1100 Situs Court, Suite 100</b><br>Address:<br>City: <b>Raleigh</b> State: <b>NC</b> ZIP: <b>27606</b> | Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: <input type="checkbox"/><br><b>440 S. Kansas Avenue - Liberal, KS</b> |
|--|--|

|   |   |  |
|---|---|--|
| <b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b><br>N<br><br>W E<br>S | <b>4 DEPTH OF COMPLETED WELL:</b> <b>199.5</b> ft.<br>Depth(s) Groundwater Encountered: 1) <b>199.5</b> ft.<br>2) ..... ft. 3) ..... ft., or 4) <input type="checkbox"/> Dry Well<br><b>WELL'S STATIC WATER LEVEL:</b> <b>179.90</b> ft.<br><input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) <b>12-19-17</b><br><input type="checkbox"/> above land surface, measured on (mo-day-yr) .....<br>Pump test data: Well water was ..... ft.<br>after ..... hours pumping ..... gpm<br>Well water was ..... ft.<br>after ..... hours pumping ..... gpm<br>Estimated Yield: ..... gpm<br>Bore Hole Diameter: <b>8.5</b> in. to <b>203</b> ft. and<br>..... in. to ..... ft. | <b>5 Latitude:</b> <b>37.03296</b> ..... (decimal degrees)<br><b>Longitude:</b> <b>100.99270</b> ..... (decimal degrees)<br><b>Horizontal Datum:</b> <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27<br><b>Source for Latitude/Longitude:</b><br><input checked="" type="checkbox"/> GPS (unit make/model: <b>EPOCH</b> .....)<br>(WAAS enabled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No)<br><input type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map<br><input type="checkbox"/> Online Mapper: .....<br><b>6 Elevation:</b> <b>2839.71</b> ..... ft. <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC<br><b>Source:</b> <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map<br><input type="checkbox"/> Other ..... |
|---|---|--|

**7 WELL WATER TO BE USED AS:**

|  |   |   |
|--|---|---|
| 1. Domestic:<br><input type="checkbox"/> Household<br><input type="checkbox"/> Lawn & Garden<br><input type="checkbox"/> Livestock<br><input type="checkbox"/> Irrigation<br><input type="checkbox"/> Feedlot<br><input type="checkbox"/> Industrial | 5. <input type="checkbox"/> Public Water Supply: well ID .....<br>6. <input type="checkbox"/> Dewatering: how many wells? .....<br>7. <input type="checkbox"/> Aquifer Recharge: well ID .....<br>8. <input checked="" type="checkbox"/> Monitoring: well ID <b>MW-3</b> .....<br>9. Environmental Remediation: well ID .....<br><input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction<br><input type="checkbox"/> Recovery <input type="checkbox"/> Injection | 10. <input type="checkbox"/> Oil Field Water Supply: lease .....<br>11. Test Hole: well ID .....<br><input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical<br>12. Geothermal: how many bores? .....<br>a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical<br>b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water<br>13. <input type="checkbox"/> Other (specify): ..... |
|--|---|---|

Was a chemical/bacteriological sample submitted to KDHE?  Yes  No If yes, date sample was submitted: .....

Water well disinfected?  Yes  No

**8 TYPE OF CASING USED:**  Steel  PVC  Other ..... **CASING JOINTS:**  Glued  Clamped  Welded  Threaded

Casing diameter **4** in. to **169.5** ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface **7** in. Weight ..... lbs./ft. Wall thickness or gauge No. ....

**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) .....  
 Brass  Galvanized Steel  Concrete tile  None used (open hole)

**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous Slot  Mill Slot  Gauze Wrapped  Torch Cut  Drilled Holes  Other (Specify) .....  
 Louvered Shutter  Key Punched  Wire Wrapped  Saw Cut  None (Open Hole)

**SCREEN-PERFORATED INTERVALS:** From **169.5** ft. to **199.5** ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From **167** ft. to **199.5** ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....

Grout Intervals: From **0.5** ft. to **167** ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**Nearest source of possible contamination:**  
 Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage  
 Sewer Lines  Cess Pool  Sewage Lagoon  Fuel Storage  Abandoned Water Well  
 Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well/Gas Well  
 Other (Specify) .....

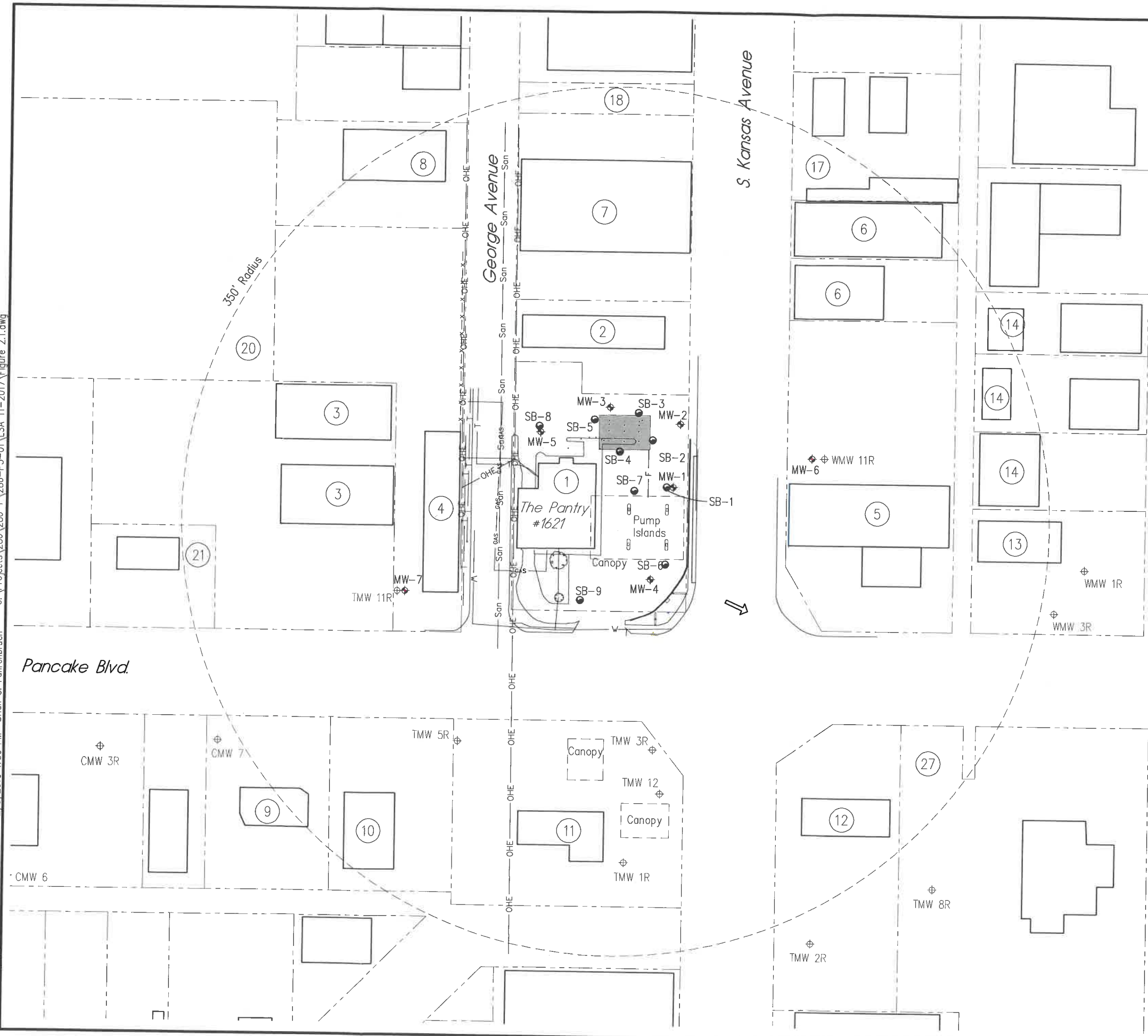
Direction from well? ..... Distance from well? ..... ft.

| 10 FROM | TO  | LITHOLOGIC LOG                   | FROM | TO | LITHO. LOG (cont.) or PLUGGING INTERVALS |
|---------|-----|----------------------------------|------|----|--|
| 0       | 0.5 | Concrete                         |      |    |  |
| 0.5     | 14  | Silly Sand                       |      |    |  |
| 14      | 35  | Sandy Silt with clay             |      |    |  |
| 35      | 74  | Sandy Clay with sand and caliche |      |    |  |
| 74      | 84  | Sand with clay and caliche       |      |    |  |
| 84      | 141 | Clay and caliche with sandy clay |      |    |  |
| 141     | 178 | Caliche and clay with sandy clay |      |    |  |
| 178     | 203 | Sand with clay and caliche       |      |    |  |

Notes: The Pantry #1621; KDHE project code: U1-088-14791

**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) **12/19/17**..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **881**..... This Water Well Record was completed on (mo-day-year) **2/1/18**..... under the business name of **Woolter Pump & Well**..... Signature *[Signature]*

PLOTTED: 2/5/2018 1:50 PM    SAVED: 2/5/2018 1:50 PM    Brian S. Fahrenbruch    G:\Projects\286\286-P\286-P3-01\SA 11-2017\Figure 2.1.dwg



**LEGEND**

- = MONITOR WELL
- = SOIL BORING
- = MONITORING WELL NOT SAMPLED
- = FUEL LINES
- = UNDERGROUND GAS
- = UNDERGROUND WATER
- = OVERHEAD ELECTRIC
- = SANITARY SEWER
- = TELEPHONE
- = FENCE
- = TANK BASIN
- = APPROXIMATE ROW LINES
- = GROUNDWATER FLOW DIRECTION

NOTE:  
 LOCATION OF SEWER LINE IS UNKNOWN ON SITE.  
 LOCATION OF FUEL LINES IS ESTIMATED BASED ON  
 WHERE CONCRETE IS CUT.

| Point Designation | Latitude | Longitude |
|-------------------|----------|-----------|
| MW-1              | 37.03278 | 100.92252 |
| MW-2              | 37.03292 | 100.92251 |
| MW-3              | 37.03296 | 100.92270 |
| MW-4              | 37.03258 | 100.92259 |
| MW-5              | 37.03290 | 100.92289 |
| MW-6              | 37.03285 | 100.92214 |
| MW-7              | 37.03255 | 100.92326 |

RECEIVED  
 FEB 12 2018  
 BUREAU OF WATER

SCALE IN FEET

| REVISIONS | BY |
|-----------|----|
|           |    |

**MILCO**  
 Environmental Services, Inc.  
 Kearney, NE (308) 237-5923  
 McCook, NE (308) 345-4741

THE PANTRY #1621  
**SITE BASE MAP - 350' RADIUS**  
 440 S. KANSAS AVE., LIBERAL, KANSAS - U1-088-14791

SCALE: AS SHOWN  
 PROJECT NO. M286-P3-01  
 DATE: FEBRUARY, 2018  
 FIELD BOOK M&A DWG NO.  
 DRAWN BY: BSF    APRVD BY:  
 SHEET

**FIGURE 2.1**

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