

**WATER WELL RECORD Form WWC-5**

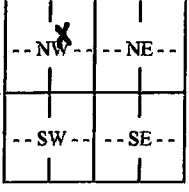
Division of Water Resources App. No.  

Well ID ABMW-17D

Original Record  Correction  Change in Well Use

|   |                                 |                      |                           |  |
|---|---------------------------------|----------------------|---------------------------|--|
| <b>1 LOCATION OF WATER WELL:</b><br>County: Dickinson | Fraction<br>NW ¼ SW ¼ NE ¼ NW ¼ | Section Number<br>21 | Township Number<br>T 13 S | Range Number<br>R 2 <input checked="" type="checkbox"/> E <input type="checkbox"/> W |
|---|---------------------------------|----------------------|---------------------------|--|

|  |   |
|--|---|
| <b>2 WELL OWNER:</b> Last Name: _____ First: _____<br>Business: ONE Gas, Inc.<br>Address: 15 East Fifth Street<br>Address: _____<br>City: Tulsa State: OK ZIP: 74103 | 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>~264' W of NW corner of SW 3rd & S Cedar Sts., Abilene |
|--|---|

|   |   |  |
|---|---|--|
| <b>3 LOCATE WELL WITH "X" IN SECTION BOX:</b><br>N<br><br>W E<br>S<br>1 mile | <b>4 DEPTH OF COMPLETED WELL:</b> ..... 42 ..... ft.<br>Depth(s) Groundwater Encountered: 1) ..... ft.<br>2) ..... ft. 3) ..... ft., or 4) <input type="checkbox"/> Dry Well<br>WELL'S STATIC WATER LEVEL: ..... ft.<br><input type="checkbox"/> below land surface, measured on (mo-day-yr) .....<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: 8.5 in. to 42 ft. and<br>..... in. to ..... ft. | <b>5 Latitude:</b> ..... 38.9131615 ..... (decimal degrees)<br><b>Longitude:</b> ..... -97.2175552 ..... (decimal degrees)<br>Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27<br>Source for Latitude/Longitude:<br><input type="checkbox"/> GPS (unit make/model: .....)<br>(WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No)<br><input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map<br><input type="checkbox"/> Online Mapper: ..... |
|   |   | <b>6 Elevation:</b> 1148.65 ..... ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC<br>Source: <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>2. 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>ABMW-17D</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 ..... 2 ..... in. to ..... 31.5 ..... ft., Diameter ..... 2 ..... in. to ..... 42 ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface ..... -0.84 ..... in. Weight ..... lbs./ft. Wall thickness or gauge No. Sch. 40  
**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 ..... 31.5 ..... ft. to ..... 41.5 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From ..... 27.5 ..... ft. to ..... 42 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other **Concrete** .....  
 Grout Intervals: From ..... 0 ..... ft. to ..... 1.5 ..... ft., From ..... 1.5 ..... ft. to ..... 27.5 ..... 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) **Contaminated Site** .....  
 Direction from well? ..... Distance from well? ..... ft.

| 10 FROM | TO   | LITHOLOGIC LOG                  | FROM | TO | LITHO. LOG (cont.) or PLUGGING INTERVALS |
|---------|------|---------------------------------|------|----|--|
| 0       | 0.25 | Asphalt                         |      |    |  |
| 0.25    | 0.5  | Gravel and f sand               |      |    |  |
| 0.5     | 5    | Silt and clay                   |      |    |  |
| 5       | 10   | Clay, some silt                 |      |    |  |
| 10      | 17   | Silt, some clay                 |      |    |  |
| 17      | 25   | Clay, some silt                 |      |    |  |
| 25      | 28   | Silt, some clay                 |      |    | Notes:                                   |
| 28      | 40   | Sand, vf-f, and silt            |      |    |  |
| 40      | 42   | Sand, c-vf, tr. silt and gravel |      |    |  |

**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) 6/5/2017 ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 527 ..... This Water Well Record was completed on (mo-day-year) 6/14/2017 ..... under the business name of GeoCore Inc. Signature *GeoCore Inc.*



Google Earth

feet  
meters



ONE Gas (for Burns and McDonell)  
Abilene, Kansas

GPS Coordinates:

ABMW-5D: 38.9131138, -97.2173129  
 ABMW-8D: 38.9131136, -97.2177859  
 ABMW-9D: 38.9126168, -97.2165918  
 ABMW-12D: 38.9140816, -97.2180669  
 ABMW-12S: 38.9140928, -97.2180625  
 ABMW-13D: 38.9140131, -97.2174146  
 ABMW-13S: 38.9140215, -97.2174165

ABMW-14D: 38.9138852, -97.2174120  
 ABMW-14S: 38.9138946, -97.2174112  
 ABMW-15D: 38.9137872, -97.2174094  
 ABMW-15S: 38.9137961, -97.2174099  
 ABMW-16D: 38.9137847, -97.2175987  
 ABMW-16S: 38.9137858, -97.2176098  
 ABMW-17D: 38.9131615, -97.2175552

ONE Gas  
Abilene, Kansas  
Sheet 2

GPS Coordinates (cont'd):

ABMW-17S: 38.9131598, -97.2175651  
ABMW-17R: 38.9131607, -97.2175770  
ABMW-18D: 38.9131643, -97.2170046  
ABMW-18S: 38.9131589, -97.2170173  
ABMW-19: 38.9138752, -97.2176725  
ABMW-20: 38.9137790, -97.2178331  
ABMW-21: 38.9138473, -97.2178333

CIMW-1: 38.9131215, -97.2190620  
CIMW-2: 38.9131258, -97.2200443  
CIMW-3: 38.9131235, -97.2206910  
CIMW-4: 38.9131245, -97.2214561  
CIMW-5: 38.9122182, -97.2215866  
CIMW-6: 38.9122408, -97.2198854  
CIMW-7: 38.9122432, -97.2181998