

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

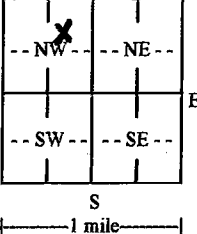
Division of Water Resources App. No.

ABMW-17S

Well ID

1 LOCATION OF WATER WELL: County: Dickinson	Fraction NW ¼ SW ¼ NE ¼ NW ¼	Section Number 21	Township Number T 13 S	Range Number R 2 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: First: Business: ONE Gas, Inc. Address: 15 East Fifth Street Address: 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"/> ~268' W of NW corner of SW 3rd & S Cedar Sts., Abilene
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  S 1 mile	4 DEPTH OF COMPLETED WELL: ...29.5... ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ft. <input type="checkbox"/> below land surface, measured on (mo-day-yr)..... <input type="checkbox"/> above land surface, measured on (mo-day-yr)..... Pump test data: Well water was ft. after..... hours pumping gpm Well water was ft. after..... hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 8.5 in. to 29.5 ft. and in. to ft.	5 Latitude: 38.9131598 (decimal degrees) Longitude: -97.2175651 (decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model:) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper: 6 Elevation: 1148.66 ft. <input checked="" type="checkbox"/> Ground Level <input type="checkbox"/> TOC Source: <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other
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7 WELL WATER TO BE USED AS:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2. <input type="checkbox"/> Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input checked="" type="checkbox"/> Monitoring: well ID ABMW-17S 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease 11. Test Hole: well ID <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12. Geothermal: how many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water 13. <input type="checkbox"/> Other (specify):
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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 19 ft., Diameter 2 in. to 29.5 ft., Diameter in. to ft.
 Casing height above land surface -0.37 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 .19 ft. to 29 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 15 ft. to 29.5 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 15 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	29	Silt, some clay			
Notes:					

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 *[Signature]*



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