

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID

1 LOCATION OF WATER WELL:

County:

Fraction

1/4 1/4 1/4 1/4

Section Number

Township Number

T S

Range Number

R E W

2 WELL OWNER: Last Name:

First:

Business:

Address:

Address:

City:

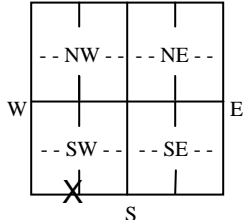
State:

ZIP:

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:

3 LOCATE WELL WITH "X" IN SECTION BOX:

N



S

-----1 mile-----

4 DEPTH OF COMPLETED WELL:

Depth(s) Groundwater Encountered: 1) ft.

2) ft. 3) ft., or 4) Dry Well

WELL'S STATIC WATER LEVEL: ft.

below land surface, measured on (mo-day-yr).....

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: in. to ft. and

..... in. to ft.

5 Latitude:(decimal degrees)

Longitude:(decimal degrees)

Datum: WGS 84 NAD 83 NAD 27

Source for Latitude/Longitude:

GPS (unit make/model:)

(WAAS enabled? Yes No)

Land Survey Topographic Map

Online Mapper:

6 Elevation:ft. Ground Level TOC

Source: Land Survey GPS Topographic Map

Other

7 WELL WATER TO BE USED AS:

1. Domestic:

- Household
Lawn & Garden
Livestock

2. Irrigation

3. Feedlot

4. Industrial

5. Public Water Supply: well ID

6. Dewatering: how many wells?

7. Aquifer Recharge: well ID

8. Monitoring: well ID

9. Environmental Remediation: well ID

Air Sparge Soil Vapor Extraction

Recovery Injection

10. Oil Field Water Supply: lease

11. Test Hole: well ID

Cased Uncased Geotechnical

12. Geothermal: how many bores?

a) Closed Loop Horizontal Vertical

b) Open Loop Surface Discharge Inj. of Water

13. 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 in. to ft., Diameter in. to ft., Diameter in. to ft.

Casing height above land surface 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 ft. to ft., From ft. to ft., From ft. to ft.

GRAVEL PACK INTERVALS: From ft. to ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From ft. to 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.

Table with columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes a Notes section.

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) and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. This Water Well Record was completed on (mo-day-year) under the business name of

Send one copy to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

KS Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-3565.

Visit us at http://www.kdheks.gov/waterwell/index.html

KSA 82a-1212

Form	WWC5
Contractor	Dakota Technologies Company, L.L.C.
Well Owner	
Doc ID	1413964

Litholgy

From	To	LithologicLog
0	2.5	Silt, Trace of Clay, Dk Grayish Brown, 10yr,4/2,Clay, Soft, Non Plastic, Roots in top .30'
2.5	7.75	Silt, with Fine Sand, Pale Brn, 10yr,6/3, Dry, Soft, Non Plastic
7.75	11.0	Silt, Some Fine Sand, Light Brownish, Gray,10yr,6/2, Damp, Soft, Non Plastic
11.0	11.75	Clay, Trace silt, Dk Gray,10yr4/1/1/,Damp, Soft To MediumStiffness, Medium Plasticity
11.75	14.0	Clay, Dk Brown, 10yr,3/3, Damp,Medium Stiffness, High Plasticity
14.0	15.0	Silt, Some Fine Sand, Trace Clay,Brown 10yr,5/3, Damp, Medium Stiffness, Non Plastic
15.0	19.5	Clay, With Silt, Dk Grayish Brown, 10yr,4/2,damp, Soft To Medium Stiffness, Trace Plasticity
19.5	20.5	Sand, Very Pale Brn, 10yr,7/4, Damp, Dense, Fine, Poorly Graded, Sub-Angular
20.5	21.5	Silt, Some Clay, Grayish Brn, 10yr, 5/2, Wet, Soft, Non Plastic

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Litholgy

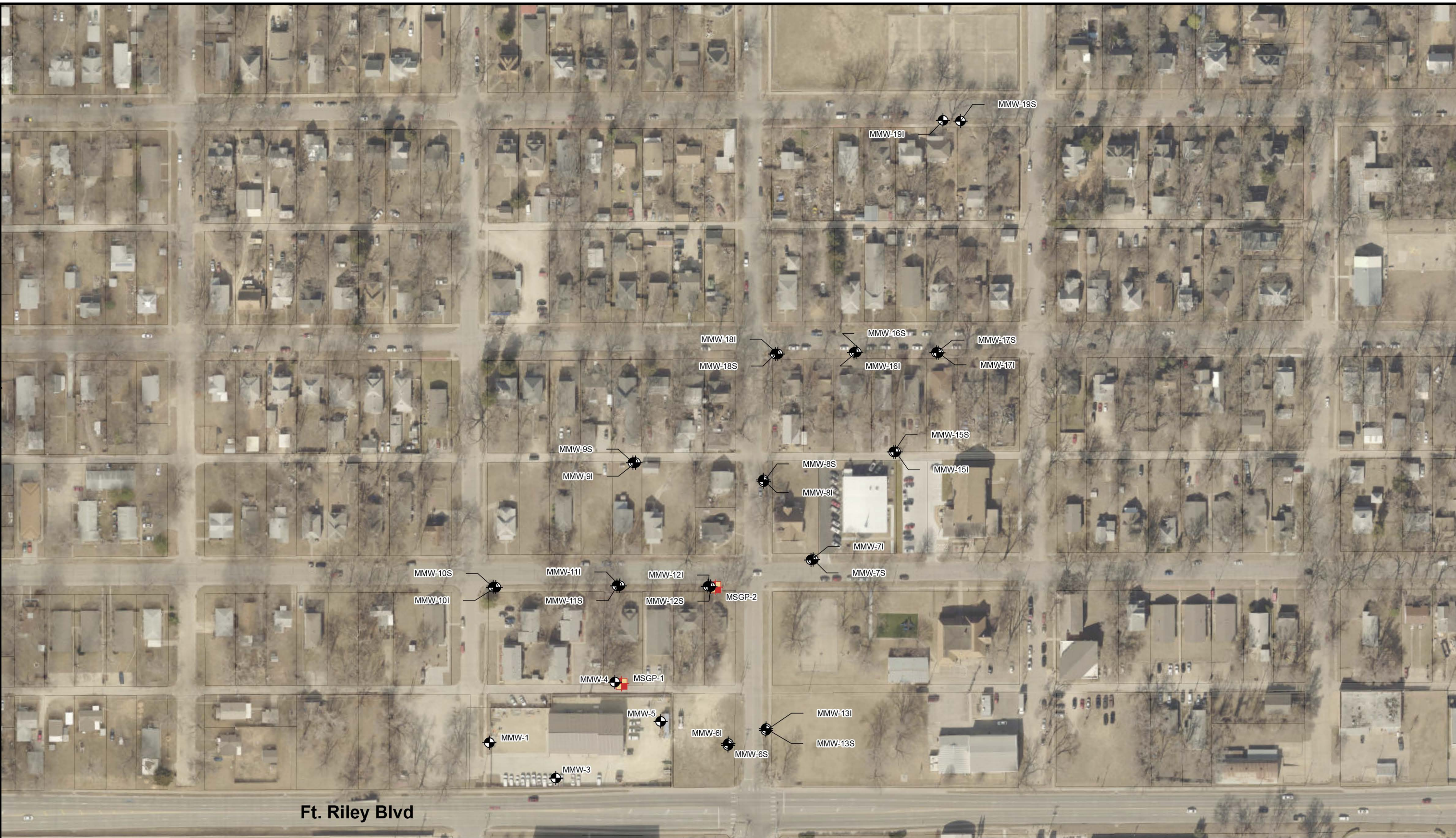
From	To	LithologicLog
21.5	22.0	Sand, With silt, Dk Grayish Brn, 10yr,4/2, With Gray 10yr, 5/1,Bands, Dense, Fine, Poorly Graded, Sub Angular, Moist
22.0	25.5	Sand, Some silt, Pale Brn, 10yr,6/3, Damp, Dense,Fine, Poorly Graded, Sub Angular
25.5	30.0	Sand, Trace silt, Very pale Brn, 10yr,7/3, Damp, Dense, Fine, Medium, Poorly Graded, Sub Angular, Yellow Bands
30.0	31.0	Sand, With Silt, Grayish Brn, 10yr, 5/2, Wet, Dense, Fine, Poorly Graded, Sub Angular
31.0	32.0	Sand, Trace silt, Grayish Brn, 10yr,5/2, Wet, Dense, Fine, Trace Medium, Poorly graded, Sub angular trace to some Coarse
32.0	32.75	sand, trace Fine to Medium Gravel, Grayish brn, 10yr, 5/2, Wet, Loose, Fine to Coarse, Well Graded, Rounded
32.75	34.0	Sand, Trace Silt, Gray 10yr, 5/1, Wet, Dense, Fine,Poorly graded, Sub Angular
34.0	35.0	Clay, Dk Gray, 10yr,4/1, Moist, Medium Stiffness, High Plasticity

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Litholgy

From	To	LithologicLog
35.0	36.0	Sand, Some silt, Gray, 10yr,5/1, Wet, Medium Density, Fine To medium., Poorly Graded, Sub Angular
36.0	37.0	Sand, with Silt, Gray, 10yr, 5/1, Wet, Medium Density, Fine to Medium, Poorly Graded, Sub Angular
37.0	38.0	Sand, with Silt, Fine Gravel, Gray, 10yr, 5/1, Wet, loose, Fine to Coarse, Well graded, Sub Rounded
38.0	40.0	Sand, with silt, Gray, 10yr, 5/1, Wet, Dense, Fine, Poorly Graded
40.0	43.0	Sand, with silt, Gray, 10yr, 5/1, Wet, Dense, Fine, Poorly Graded
43.0	46.0	Sand, with silt, Gray, 10yr, 5/1, Wet, Loose, Fine to Coarse, Well Graded, Sub Rounded
46.0	50.0	Sand, Gray, 10yr, 5/2, Wet, loose, Fine to Coarse, Well Graded, Sub Rounded

Path: Z:\Clients\ENSO\OneGas\103248_Manhattan\2017\Studies\Geospatial\DataFiles\ArcDocs\1-3SI_Monitoring_Well_&_SGP_Locations\2018.mxd kdbaker 6/29/2018
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Ft. Riley Blvd

Legend

- Monitoring Well
- Soil Gas Probe
- Parcel Boundary

NORTH

0 100 200
Scale in Feet

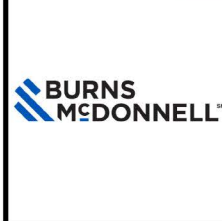


Figure 1-3
SI Monitoring Well &
Soil Gas Probe
Locations
ONE GAS, INC.
MANHATTAN, KANSAS