

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW1

[X] Original Record [ ] Correction [ ] Change in Well Ust

1 LOCATION OF WATER WELL: County Wyandotte Fraction SE 1/4 NE 1/4 SE 1/4 SW 1/4 Section Number 18 Township Number T 11 S Range Number R 25 [X] E [ ] W

2 WELL OWNER: Last Name: First: 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: [ ] 4202 Kansas Ave., Kansas City, KS City Tulsa State: OK ZIP: 74134

3 LOCATE WELL WITH "X" IN SECTION BOX: N NW NE SW SE S W E X

4 DEPTH OF COMPLETED WELL: 45 ft Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4) [ ] Dry Well WELL'S STATIC WATER LEVEL: 28.22 ft. [X] below land surface, measured on (mo-day-yr) 7/3/2019 [ ] above land surface, measured on (mo-day-yr) Pump test data: Well water was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Water well was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Estimated Yield: \_\_\_\_\_ gpm Bore Hole Diameter: 7.25 in to \_\_\_\_\_ ft, and \_\_\_\_\_ in to \_\_\_\_\_ ft

5 Latitude: 39.08981 (decimal degrees) Longitude 94.67800 (decimal degrees) Horizontal Datum [X] WGS 84 [ ] NAD 83 [ ] NAD 27 Source for Latitude/Longitude: [ ] GPS (unit make/model: \_\_\_\_\_) (WAAS enabled? [ ] Yes [ ] No) [X] Land Survey [ ] Topographic Map [ ] Online Mapper

6 Elevation 763.26 ft [ ] Ground Level [X] TOC Source [X] Land Survey [ ] GPS [ ] Topographic Map [ ] Other \_\_\_\_\_

7 WELL WATER TO BE USED AS: 1 Domestic: [ ] Household [ ] Lawn & Garden [ ] Livestock [ ] Irrigation [ ] Feedlot [ ] Industrial 2 [ ] Public Water Supply: well ID 3 [ ] Dewatering: how many wells? 4 [ ] Aquifer Recharge: well ID 5 [ ] Monitoring: well ID MW1 6 Environmental Remediation: well ID 7 [ ] Air Sparge [ ] Soil Vapor Extractor 8 [ ] Recovery [ ] Injection 9 [ ] Oil Field Water Supply: lease 10 [ ] Test Hole: well ID [ ] Cased [ ] Uncased [ ] Geotechnical 11 Geothermal: How many bores? a) Closed Loop [ ] Horizontal [ ] Vertical b) Open Loop [ ] Surface Discharge [ ] Inj. of Water [ ] Other (specify): \_\_\_\_\_

Was a chemical/bacteriological sample submitted to KDHE? [ ] Yes [X] No If yes, date sample was submitted: \_\_\_\_\_ Water well disinfected? [ ] Yes [X] No

8 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other \_\_\_\_\_ CASING JOINTS: [ ] Glued [ ] Clamped [ ] Welded [X] Threaded Casing diameter 2 in. to 30 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Casing height above land surface -0.29 in. Weight \_\_\_\_\_ lbs./ft. Well thickness or gauge No \_\_\_\_\_ TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [ ] Fiberglass [X] PVC [ ] Brass [ ] Galvanized Steel [ ] Concrete tile [ ] None used (open hole) [ ] Other (Specify) \_\_\_\_\_ SCREEN OR PERFORATION OPENINGS ARE: [ ] Continuous Slot [X] 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 30 ft. to 45 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, GRAVEL PACK INTERVALS: From 28 ft. to 45 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft,

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-0.7' Grout intervals: From 0.7 ft. to 28 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 [X] Fuel Storage [ ] Abandoned Water Well [ ] Watertight Sewer Lines [ ] Seepage Pit [ ] Feedyard [ ] Fertilizer Storage [ ] Oil Well / Gas Well [ ] Other (Specify) \_\_\_\_\_ Direction from well? Within the basin Distance from well? Within the basin ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS
0 0.3 Topsoil, mostly silty clay and limestone gravel
0.3 2 Silty clay
2 5 Clayey silt
5 28 Silt and very fine sand
28 32 Silt and very fine sand w/ intermittent medium grained sand
32 35 Fine sand
35 45 Medium coarse sand
Notes: KDHE ID: Former Quiktrip #231; U4-105-14927

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [ ] reconstructed, or [ ] plugged under my jurisdiction and was completed on (mo-day-yr) 6/27/19 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-yr) 7/29/19 under the business name of Larsen & Associates, Inc. Signature \_\_\_\_\_

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

Jess Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> Street, Suite B  
Lawrence, Kansas 66046

July 18, 2019

RE: Monitor Well Elevation Survey  
4202 Kansas Ave., Kansas City, Kansas

Proj. 19-00X  
Former Quik Trip #231  
KDHE ID ~~U4-105-14927~~  
U4-105-1-1927

Bench Mark: Chisled Sq. on NE corner of concrete QT sign base near the SE Corner of property.

Elev: 762.09      North 726.46      West 2736.63      (from SE Cor. Sec. 18-11-25E)

MW-1	rim	763.55	North	715.57	SE1/4,NE1/4,SE1/4,SW1/4
	top pipe	763.26	West	2882.13	Lat = 39.08981    Long = 94.67800
MW-2	rim	762.64	North	925.69	SE1/4,NE1/4,SE1/4,SW1/4
	top pipe	762.24	West	2813.01	Lat = 39.09039    Long = 94.67776
MW-3	rim	761.18	North	719.45	SW1/4,NE1/4,SE1/4,SW1/4
	top pipe	760.26	West	3154.10	Lat = 39.08982    Long = 94.67896
MW-4	rim	763.89	North	986.57	SW1/4,NE1/4,SE1/4,SW1/4
	top pipe	763.59	West	2980.44	Lat = 39.09036    Long = 94.67836
MW-5	rim	761.78	North	783.48	SE1/4,NE1/4,SE1/4,SW1/4
	top pipe	761.51	West	2750.13	Lat = 39.09000    Long = 94.67754
MW-6	rim	761.00	North	1016.86	NE1/4,NE1/4,SE1/4,SW1/4
	top pipe	760.66	West	2724.29	Lat = 39.09064    Long = 94.67745

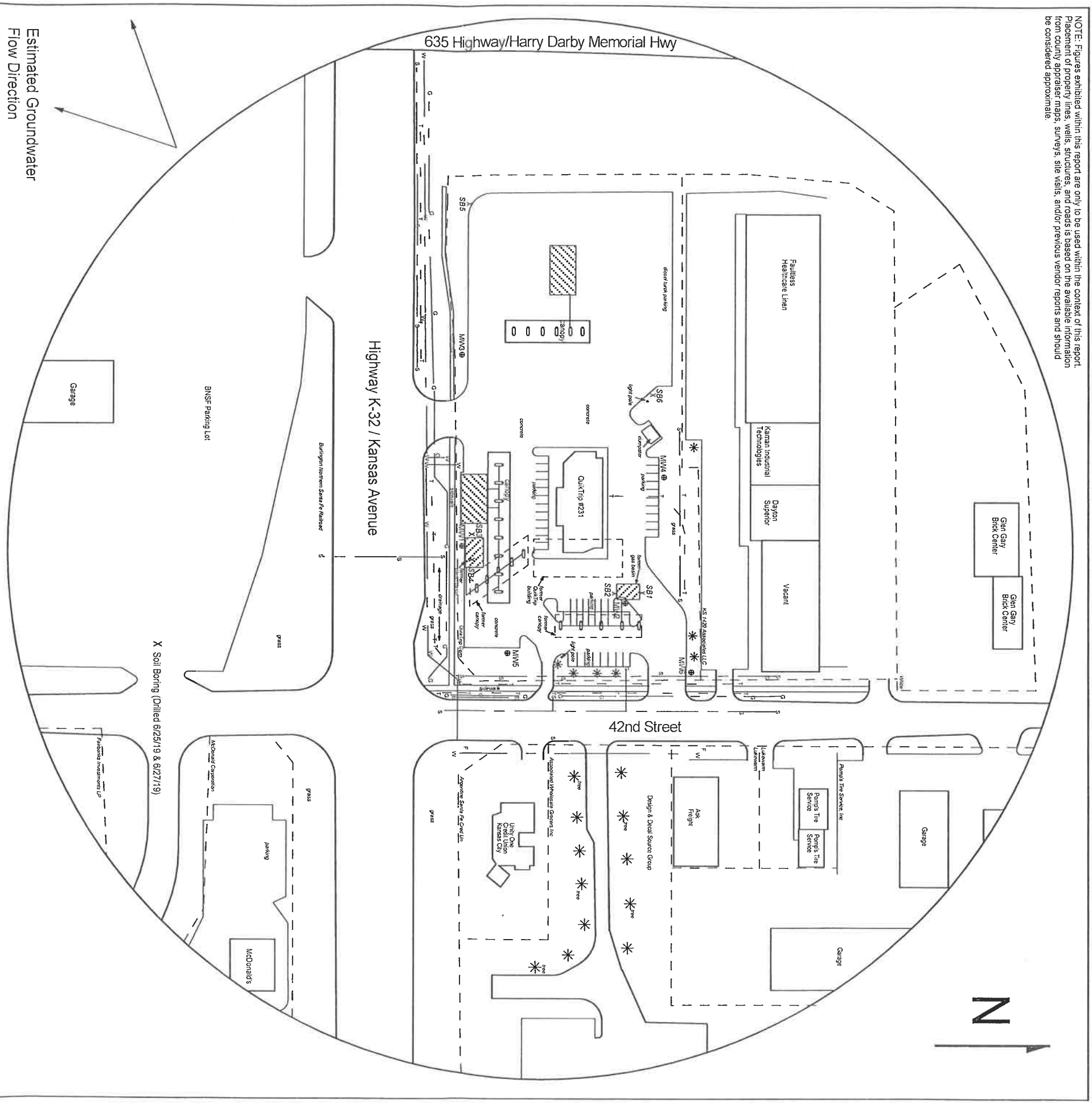
Elevation derived from KDOT BM 304-B project K-4890-01 NAVD88.

Lat & Long derived from Shawnee 7.5 Quad Map WGS84.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

July 18, 2019  
Dennis L Handke RS  
Dennis & Handke  
KANSAS  
LAND SURVEYOR

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.



Estimated Groundwater  
Flow Direction

FIGURE 2.2 - 700 FT RADIUS AREA BASE MAP














  
**larsen**  
 & ASSOCIATES, INC.

1311 E 25th St., Suite B      785-841-8707 office  
 Lawrence, KS 66046      785-865-4282 fax

**PROJECT:**  
 Former QuikTrip #231  
 4202 Kansas Avenue  
 Kansas City, KS  
 KDHEID: U4-105-14927  
 Date: 7/3/19

0      140 ft

**LEGEND**

-  Approximate Location of Active UST Basin,
-  Product Lines & Pump Islands
-  Approximate Location of Former UST Basin, Product Lines & Pump Islands
-  Approximate Location of Property Line
-  Monitoring Well  
(Installed 6/25, 27, 28/19 & 7/2/19)
-  Soil Boring (Drilled 6/25/19 & 6/27/19)
-  Fire Hydrant
-  Electric Lines (1.5 - 3 ft bgs)
-  Gas Lines (1.5 - 3 ft bgs)
-  Overhead Lines (25'-40' high)
-  Sewer Lines (2 - 6 ft bgs)
-  Telephone Lines (2 - 6 ft bgs)
-  Water Lines (2 - 6 ft bgs)

NOTE: Utility depths, heights and locations are approximate.  
 NOTE: SB5 & SB6 were drilled to collect hydrologic samples.