

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

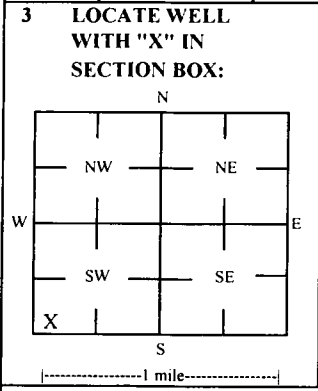
Well ID

MW1

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Lyon Fraction SE 1/4 SW 1/4 SW 1/4 Section Number 10 Township Number T 19 S Range Number R 11 E

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: 520 W 6th Ave, Emporia, KS



4 DEPTH OF COMPLETED WELL: 45 ft. Depth(s) Groundwater Encountered: 1) 45 ft. 2) ft 3) ft, or 4) Dry Well. WELL'S STATIC WATER LEVEL: 36.79 ft. [X] below land surface, measured on (mo-day-yr) 5/12/22

5 Latitude: 38.40529 (decimal degrees) Longitude: 96.18741 (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 1149.98 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 [ ] Recovery [ ] Injection. 8 Oil Field Water Supply: lease. 9 Test Hole: well ID. 10 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 -0.35 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). 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. GRAVEL PACK INTERVALS: From 28 ft. to 45 ft.

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-0.5'. Grout intervals: From 0.5 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 [ ] Fuel Storage [ ] Abandoned Water Well [ ] Watertight Sewer Lines [ ] Seepage Pit [ ] Feedyard [ ] Fertilizer Storage [ ] Oil Well / Gas Well [ ] Other (Specify). Direction from well? S Distance from well? ~15 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show lithology from 0 to 45 feet depth: Concrete, Clay fill, Clay, Silty clay, Sandy silt.

Notes: KDHE ID: Kwik Shop #735; U3-056-00663

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-year) 5/11/22 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-year) 6/7/22 under the business name of Larsen & Associates, Inc. Signature

Lyon

10-19-11t

# DENNIS L HANDKE

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

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

June 3, 2022

RE: Monitor Well Elevation Survey  
520 West 6<sup>th</sup> St., Emporia, Kansas

Proj. 22-00GG  
Kwik shop #735  
U3-056-00663

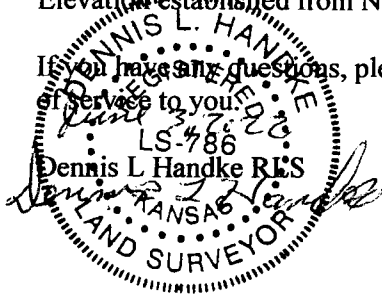
Bench Mark: Chisled Sq. on SE corner of concrete signal light base near the SW corner of property.  
Elev: 1149.65      North 30.10      West 4811.20      (from SE Cor. Sec. 10-19-11E)

MW-1	rim	1150.33	North	73.83	SE1/4,SW1/4,SW1/4,SW1/4
	top pipe	1149.98	West	4724.82	Lat= 38.40529 Long = 96.18741
MW-2	rim	1151.46	North	131.08	SE1/4,SW1/4,SW1/4,SW1/4
	top pipe	1151.15	West	4753.96	Lat= 38.40545 Long = 96.18751
MW-3	rim	1149.74	North	52.16	SE1/4,SW1/4,SW1/4,SW1/4
	top pipe	1149.47	West	4674.26	Lat= 38.40523 Long = 96.18724
MW-5	rim	1150.22	North	39.87	SE1/4,SW1/4,SW1/4,SW1/4
	top pipe	1149.84	West	4783.14	Lat= 38.40520 Long = 96.18762
MW-7	rim	1149.95	North	31.09	SE1/4,SW1/4,SW1/4,SW1/4
	top pipe	1149.61	West	4733.73	Lat= 38.40517 Long = 96.18744

Lat & Long derived from Emporia 7.5 quad map. WGS84.

Elevation established from NGS BM P13. NAVD88

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



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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.

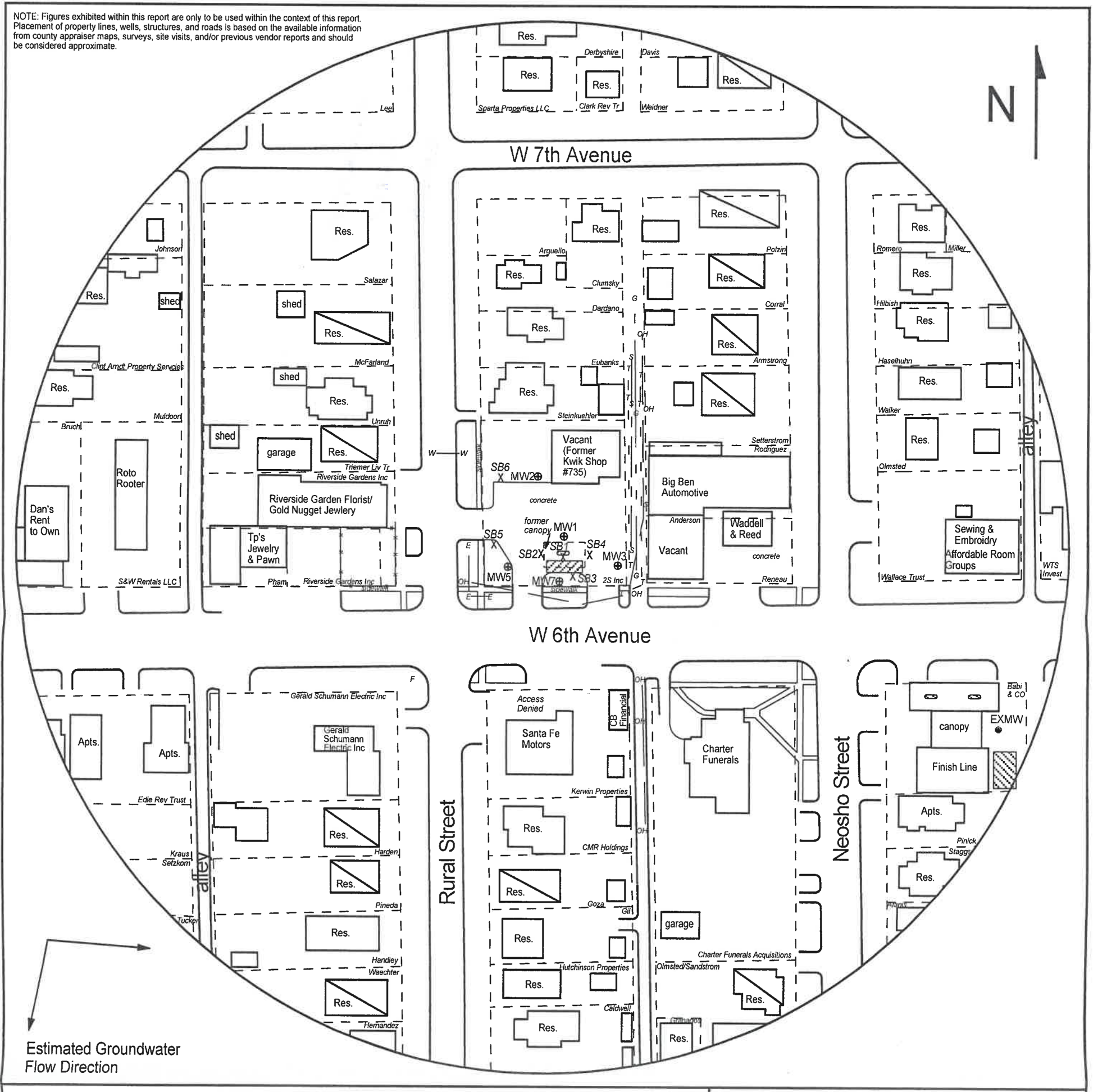


FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP

**LEGEND**

- Approximate Location of Former UST Basin & Pump Island
- Approximate Location of Active UST Basin & Pump Islands
- Building with Basement
- Approximate Location of Property Line
- New Monitoring Well (installed 5/9-12/22)
- New Soil Boring (drilled 5/11-12/22 & 6/6/22)
- Fire Hydrant
- 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: SB5 & SB6 were drilled to collect hydrologic samples.  
NOTE: Utility depths, heights and locations are approximate.



**larsen**  
& ASSOCIATES, INC.

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

**PROJECT:**  
Kwik Shop #735  
520 West 6th Street  
Emporia, KS  
KDHE ID: U3-056-00663  
Date: 5/12/22

0                      100 ft

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