

# 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

October 26, 2022

RE: Monitor Well Elevation Survey  
1303 W. 23<sup>rd</sup> St., Lawrence

Proj. 22-00HHH  
Former June Gulf Service  
U4-023-14694

Bench Mark: Chisled sq. on NW corner of concrete signal light base at NE Corner of property.  
Elev: 854.08      North 5088.9      West 2447.7      (from SE Cor. Sec. 12-13-19E)

MW-7	rim	853.99	North	5054.9	NW1/4,NW1/4,NW1/4,NE1/4
	top pipe	853.63	West	2616.4	Lat= 38.94255 Long = 95.25106
MW-8	rim	853.98	North	5028.7	NW1/4,NW1/4,NW1/4,NE1/4
	top pipe	853.67	West	2468.6	Lat= 38.94246 Long = 95.25054
MW-9	rim	851.81	North	4842.6	SW1/4,NW1/4,NW1/4,NE1/4
	top pipe	851.27	West	2471.3	Lat= 38.94195 Long = 95.25059
MW-10	rim	851.45	North	4810.6	SW1/4,NW1/4,NW1/4,NE1/4
	top pipe	850.99	West	2521.6	Lat= 38.94187 Long = 95.25077
MW-11	rim	851.59	North	4810.9	SW1/4,NW1/4,NW1/4,NE1/4
	top pipe	851.23	West	2596.5	Lat= 38.94188 Long = 95.25104
MW-12	rim	853.06	North	4974.3	NW1/4,NW1/4,NW1/4,NE1/4
	top pipe	852.73	West	2609.6	Lat= 38.94239 Long = 95.25105

Lat & Long derived from Lawrence West 7.5' quad map. WGS84.

Elevation established from existing project.

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

Dennis L. Handke, R.L.S.



RECEIVED

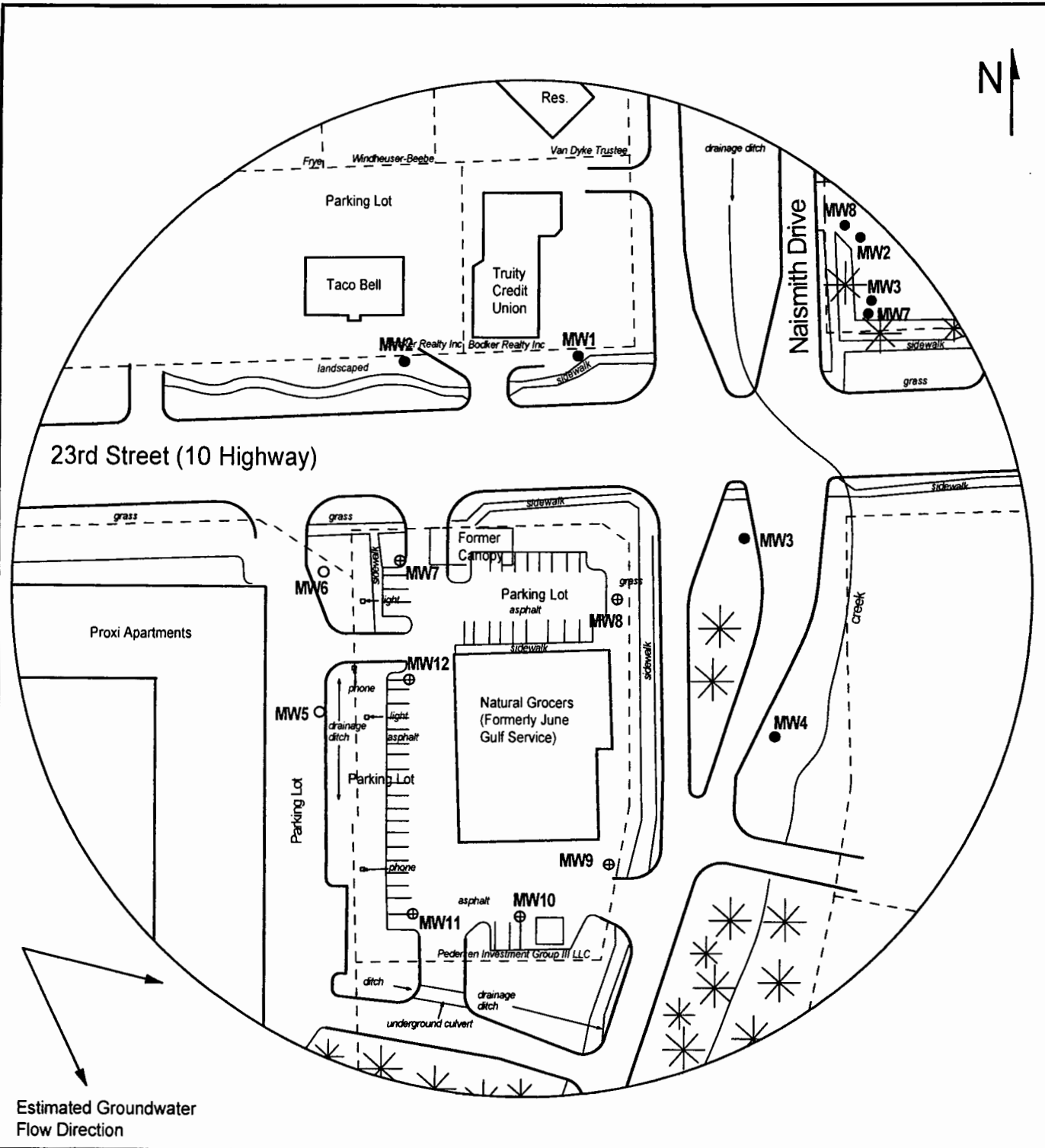
JAN 13 2023

GEOLOGICAL SURVEY

RECEIVED

NOV 04 2022

BUREAU OF WATER



Estimated Groundwater Flow Direction

FIGURE 1 - 350 FT RADIUS AREA BASE MAP

**LEGEND:**

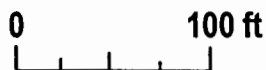
- Existing Monitoring Well
- Plugged Monitoring Well
- ⊕ Newly Installed Monitoring Well
- - - - Approximate Location of Property Line



**PROJECT:**

Former June Gulf Service  
 1303 West 23rd  
 Lawrence, KS  
 KDHE ID: U4-023-14694  
 Date: 10/10-11/22

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



NOTE: Approximate location of tank basin, product lines or pump islands is unknown.

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

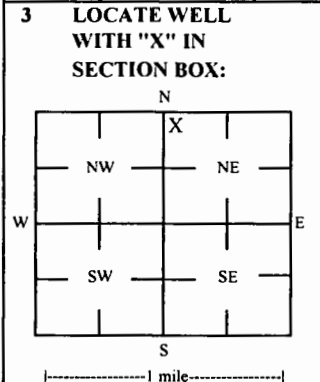
Well ID

MW9

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Douglas Fraction SW 1/4 NW 1/4 NE 1/4 Section Number 12 Township Number T 13 S Range Number R 19 E W

2 WELL OWNER: Last Name: Business: KDHE (Former June Gulf Service) Address: 1000 SW Jackson City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 1303 West 23rd, Lawrence, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 20.5 ft Depth(s) Groundwater Encountered: 1) 20.5 ft 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: below land surface, measured on (mo-day-yr) above land surface, measured on (mo-day-yr) Pump test data: Well water was after hours pumping gpm Water well was after hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: 7.25 in to ft, and in to ft

5 Latitude: 38.94159 (decimal degrees) Longitude: 95.25051 (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: 851.27 ft Ground Level 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 MW9 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 No Water well disinfected? Yes No If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 10.5 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.54 in. Weight lbs./ft. Well 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 10.5 ft. to 20.5 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 8.5 ft. to 20.5 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1' Grout intervals: From 1 ft. to 8.5 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 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Asphalt, Fill fine grained sand, gravel, clay, Clay, Limestone, rock fill, Clay, limestone, chert.

Notes: KDHE ID: Former June Golf Service; U4-023-14694 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 10/11/22 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) 10/31/22 under the business name of Larsen & Associates, Inc. Signature