

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

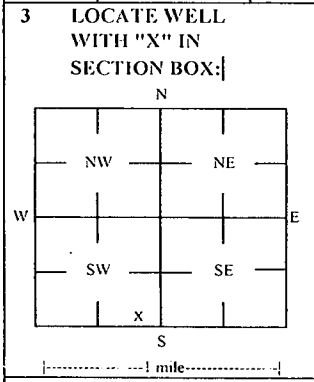
Well ID

MW4R

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Wyandotte Fraction SW 1/4 SE 1/4 SE 1/4 SW 1/4 Section Number 5 Township Number 11 S Range Number 24 E W

2 WELL OWNER: Last Name: Business: KDHE Address: 1000 SW Jackson City Topcka State: KS ZIP: 66612 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: -120' N of 8245 State Ave., Kansas City, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 29 ft Depth(s) Groundwater Encountered: 1) 29 ft 2) 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: NA 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 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: 39.11656 (decimal degrees) Longitude: 94.77135 (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 952.40 ft Ground Level X TOC Source X Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lavn & 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 MW4R 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 7 Oil Field Water Supply: lease 8 Test Hole: well ID Cased Uncased Geotechnical 9 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 X No If yes, date sample was submitted: Water well disinfected? Yes No X No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 14 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.31 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 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 14 ft. to 29 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 12 ft. to 29 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 12 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? S Distance from well? ~160 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Grass/topsoil, Silty clay, Shaley clay, Shaley, sandy clay, Shaley, sandy clay with limestone cobbles.

Notes: KDHE ID: Saco Petroleum; U4-105-10699 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 X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 6/1/20 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) 7/15/20 under the business name of Larsen & Associates, Inc. Signature

# DENNIS L HANDKE

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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

June 29, 2020

RE: Monitor Well Elevation Survey  
8245 State Ave., Kansas City, Kansas

Proj. 20-00CC  
Saco Petroleum  
U4-105-10699

Bench Mark: Square cut on North center of concrete storm sewer inlet near the North center of property on South curb of State Ave..

Elev: 947.98      North 5242.27      West 3060.81      (from SE Cor. Sec. 8-11-24E)

MW-4R rim      952.71      North      5355.81      SW1/4,SE1/4,SE1/4,SW1/4 (Sec. 5-11-24E)  
top pipe      952.40      West      3071.44      Lat= 39.11656      Long = 94.77135

Lat & Long derived from Edwardsville 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 RLS

June 29, 2020  
LS-186  
*Dennis L Handke*  
KANSAS  
LAND SURVEYORS

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.

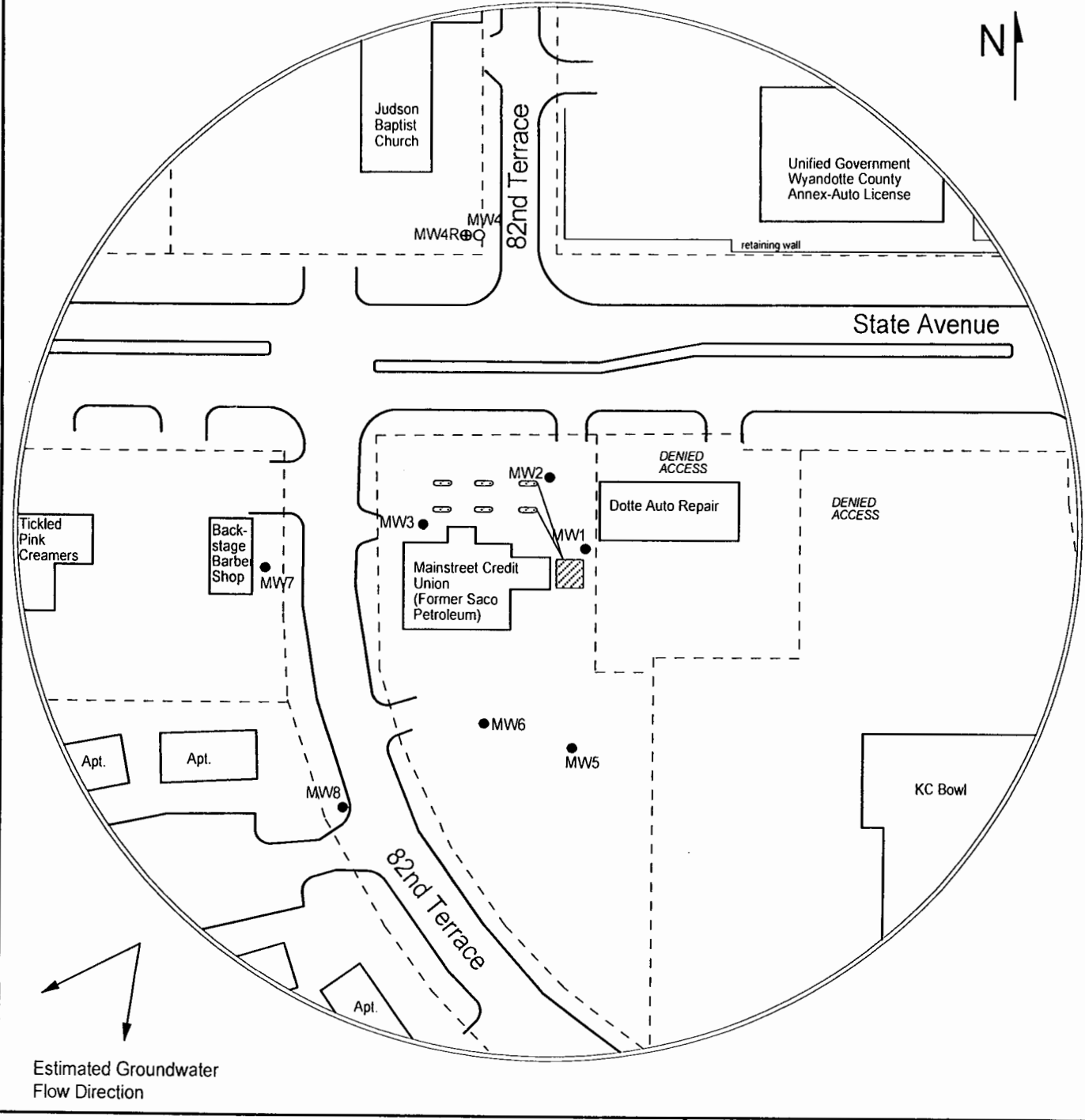


FIGURE 1 - 350 FT RADIUS AREA BASE MAP

**LEGEND:**

- Approximate Location of Former UST Basin, Product Lines & Pump Islands
- Building with Basement
- Approximate Location of Property Line
- Monitoring Well (Installed 6/1/20)
- Existing Monitoring Well
- Plugged Monitoring Well



**PROJECT:**

Saco Petroleum  
 8245 State Ave.  
 Kansas City, KS  
 KDHE ID: U4-105-10699  
 Date: 6/1/20

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



NOTE: Utility depths, heights and locations are approximate.