

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

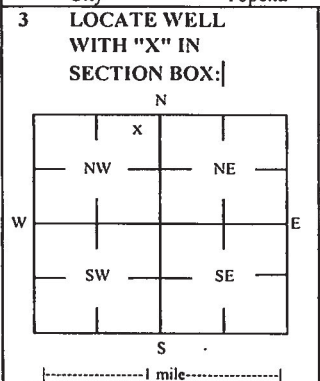
Well ID

MW1

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Wyandotte Fraction NW 1/4 NE 1/4 NE 1/4 NW 1/4 Section Number 8 Township Number T 11 S R 24 E W

2 WELL OWNER: Last Name: Business: KDHE 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): 8245 State Ave., Kansas City, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 20 ft Depth(s) Groundwater Encountered: 1) 20 ft 2) 3) ft or 4) Dry Well WELL'S STATIC WATER LEVEL: 13.77 ft

5 Latitude: 39.11600 (decimal degrees) Longitude: 94.77109 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: X Land Survey Topographic Map Online Mapper

6 Elevation 946.63 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 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MWI 9 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor 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 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 X Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 10 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.24 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 10 ft. to 20 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 8 ft. to 20 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 8 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? SW Distance from well? ~10 ft

Table with 3 columns: FROM, TO, LITHOLOGIC LOG. Rows: 0 to 0.5 ft: Asphalt; 0.5 to 3 ft: Silty clay w/ gravel; 3 to 13.5 ft: Silty clay; 13.5 to 20 ft: Silty clay w/ trace fine sand

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) 11/12/19 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-year) 1/9/20 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. Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 Revised 7/10/2015

# 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

November 22, 2019

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

Proj. 19-00II  
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)

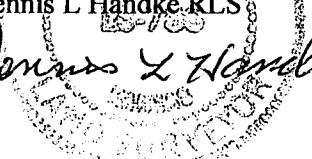
MW-1	rim	946.87	North	5149.19	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	946.63	West	2998.43	Lat= 39.11600 Long = 94.77109
MW-2	rim	948.16	North	5201.45	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	947.91	West	3023.99	Lat= 39.11614 Long = 94.77118
MW-3	rim	944.53	North	5160.89	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	944.20	West	3111.53	Lat= 39.11603 Long = 94.77149
MW-4	rim	952.55	North	5356.42	SW1/4,SE1/4,SE1/4,SW1/4 (Sec. 5-11-24E)
	top pipe	952.32	West	3068.08	Lat= 39.11657 Long = 94.77134
MW-5	rim	942.22	North	5015.96	NW1/4,NE1/4,SE1/4,NW1/4
	top pipe	941.89	West	3013.29	Lat= 39.11563 Long = 94.77114
MW-6	rim	939.78	North	5030.42	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	939.49	West	3071.27	Lat= 39.11567 Long = 94.77135
MW-7	rim	941.77	North	5129.77	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	941.50	West	3211.89	Lat= 39.11657 Long = 94.77134
MW-8	rim	935.69	North	4975.58	NW1/4,NE1/4,NE1/4,NW1/4
	top pipe	935.45	West	3159.46	Lat= 39.11552 Long = 94.77166

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

Elevation established from City of Kansas City Survey Department. NAVD 29

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

November 22, 2019  
Dennis L Handke RLS

*Dennis L Handke*  


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.

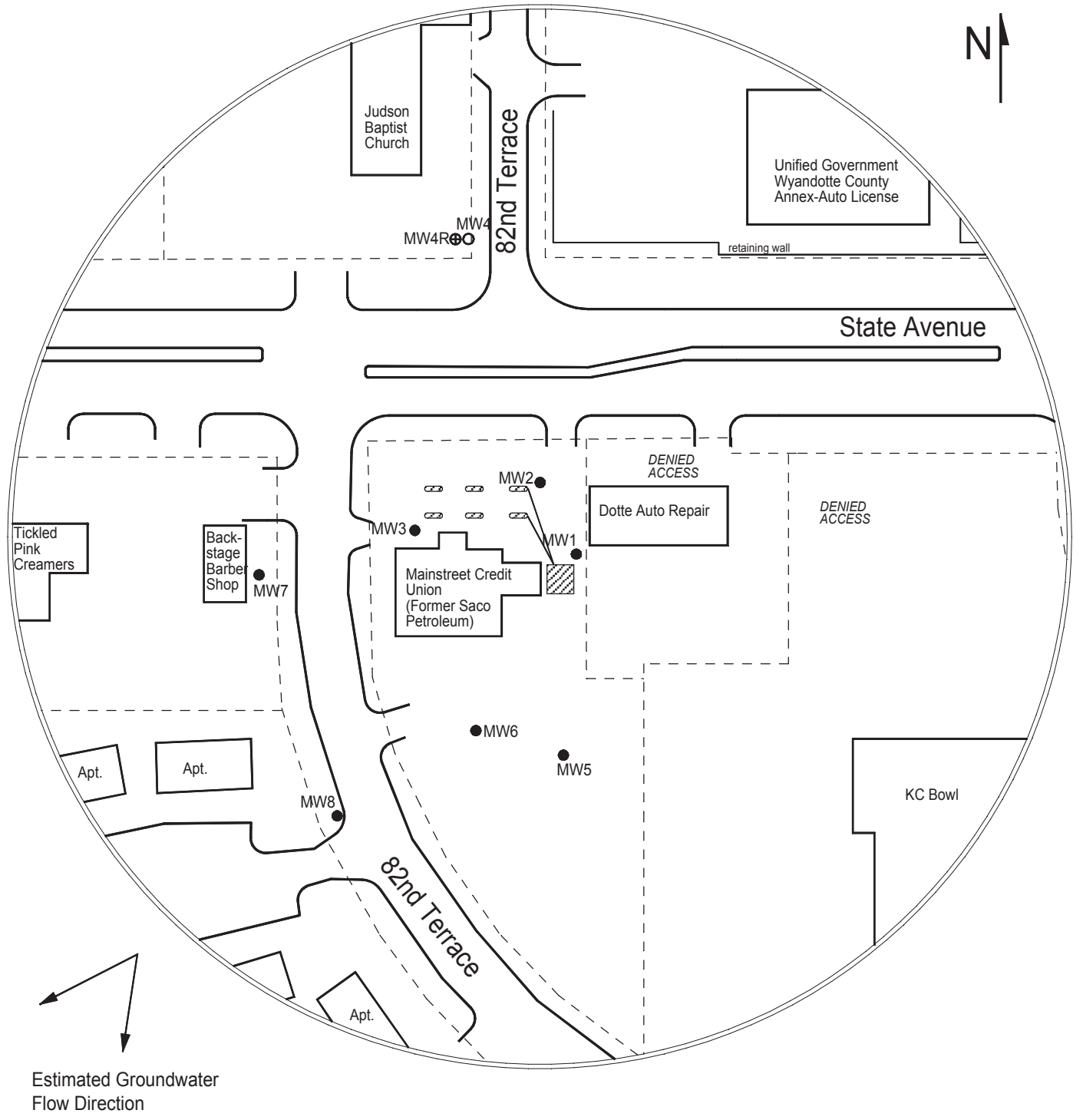


FIGURE 1 - 350 FT RADIUS AREA BASE MAP

**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    785-841-8707 office  
 Lawrence, KS 66046      785-865-4282 fax



NOTE: Utility depths, heights and locations are approximate.