

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

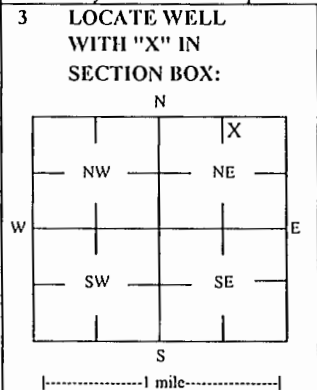
Well ID

MW13

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Shawnee \ Fraction NW 1/4 NW 1/4 NE 1/4 NE 1/4 Section Number 18 Township Number T 12 S Range Number R 16 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: Business: KDHE (Former Sinclair) Address: 1000 SW Jackson City Topeka State: KS ZIP: 66612



4 DEPTH OF COMPLETED WELL: 15 ft Depth(s) Groundwater Encountered: 1) 15 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 3.87 ft

5 Latitude: 39.01503 (decimal degrees) Longitude: 95.67370 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper

6 Elevation 946.55 ft Ground Level TOC Source 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 MW13 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 If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 5 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 PVC 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 5 ft. to 15 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 3 ft. to 15 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 3 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 Sepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? W Distance from well? ~290 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Asphalt, Clay, Shale, Limestone, Shale, limestone streaks, Limestone.

Notes: KDHE ID: Former Sinclair; U4-089-15033 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-yr) 10/23/18 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) 11/27/18 under the business name of Larsen & Associates, Inc. Signature

Shaunee  
NW  
NE  
SE  
SW  
NW  
NE  
SE  
SW  
NW  
NE  
SE  
SW

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.

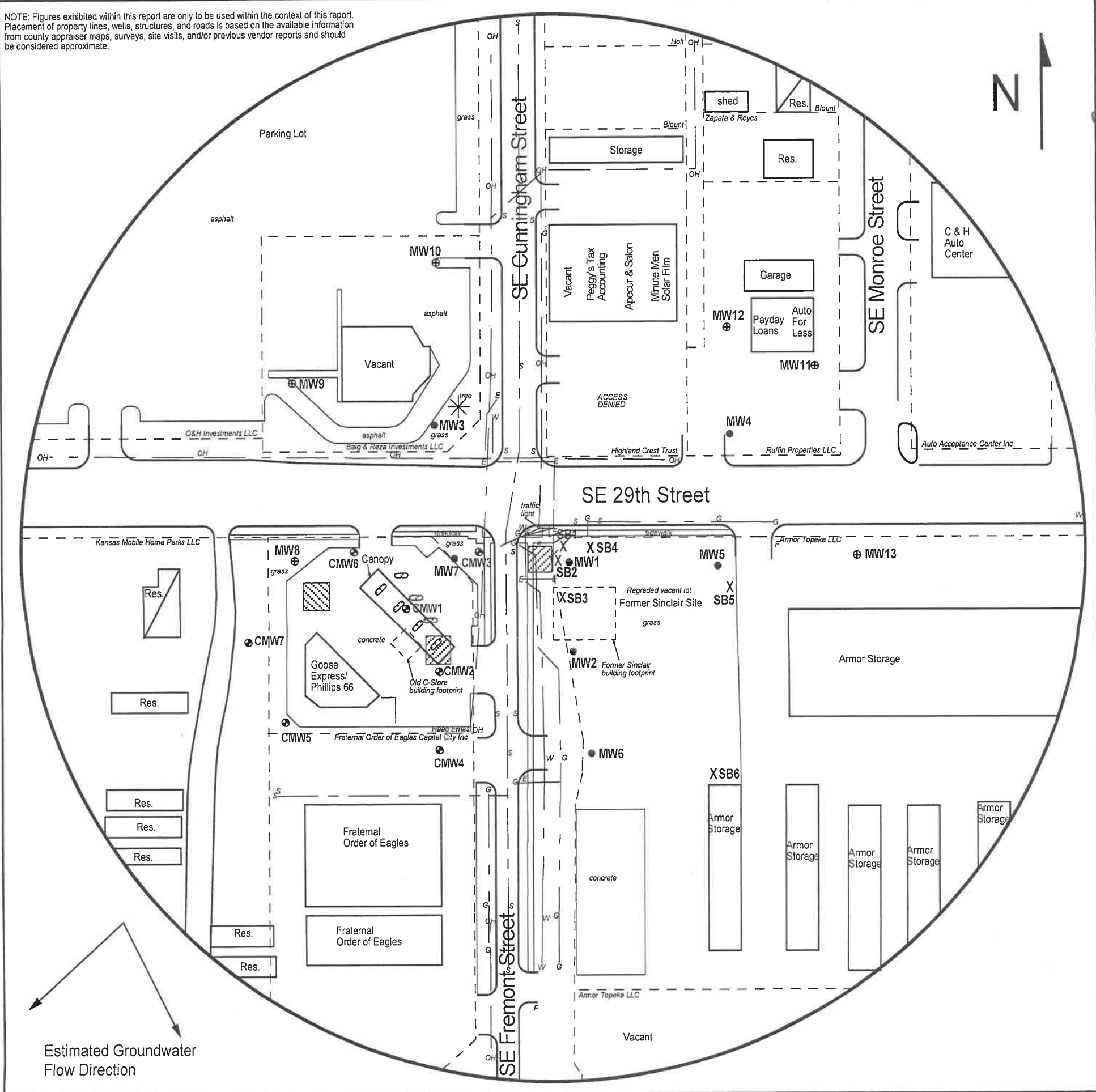


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

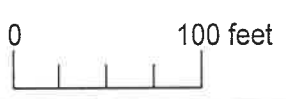
**LEGEND:**

- Approximate Location of Former UST Basin and Pump Islands
- Approximate Location of Active UST Basin and Pump Islands
- Approximate Location of Property Line
- Building with Basement
- Existing Monitoring Well
- Plugged Monitoring Well Nearby Site Clark #1345 (U4-089-1605)
- Monitoring Well (Installed 10/23/18)
- Fire Hydrant
- Electric Lines (2 - 6 ft BGS)
- Gas Lines (2 - 6 ft BGS)
- Overhead Lines (25-40 ft high)
- Sewer Lines (2 - 6 ft BGS)

NOTE: Utility depths, heights and locations are approximate.

**PROJECT:**  
Former Sinclair  
311 SE 29th Street  
Topeka, KS  
KDHE ID: U4-089-15033  
Date: 10/26/18

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



18-12-16E  
7-12-16E

Shawnee

18-12-16E

# DENNIS L HANDKE

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

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

November 19, 2018

RE: Monitor Well Elevation Survey  
311 SE 29<sup>th</sup> St., Topeka, Kansas

Proj. 18-00JJ  
Former Sinclair  
U4-089-15033

Bench Mark: Chisled Sq. on SE corner of concrete signal light base at Northwest corner of property.  
Elev: 941.80      North 5214      West 1263      (from SE Cor. Sec. 18-12-16E)

MW-8	rim	940.71	North	5204	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	940.45	West	1520	Lat= 39.01504 Long = 95.67559
MW-9	rim	940.96	North	5371	SE1/4,SE1/4,SW1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	940.73	West	1519	Lat= 39.01550 Long = 95.67558
MW-10	rim	945.11	North	5481	SE1/4,SE1/4,SW1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	944.86	West	1391	Lat= 39.01580 Long = 95.67512
MW-11	rim	951.69	North	5384	SW1/4,SW1/4,SE1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	951.37	West	1022	Lat= 39.01552 Long = 95.67383
MW-12	rim	949.27	North	5415	SW1/4,SW1/4,SE1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	948.86	West	1130	Lat= 39.01561 Long = 95.67421
MW-13	rim	946.84	North	5208	NW1/4,NW1/4,NE1/4,NE1/4
	top pipe	946.55	West	981	Lat= 39.01503 Long = 95.67370

Lat & Long derived from Topeka 7.5' quad map. WGS 84.

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.

November 19, 2018  
Dennis L Handke RLS

LS-786  
*Dennis L Handke*  
KANSAS  
LAND SURVEYOR

RECEIVED

DEC 26 2018

BUREAU OF WATER