

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

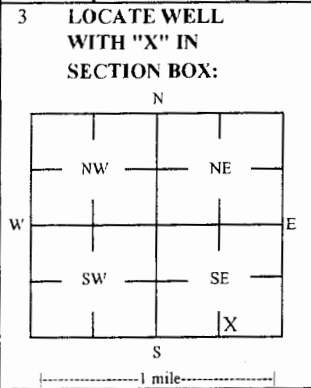
Well ID

MW4

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Shawnee Fraction SW 1/4 SW 1/4 SE 1/4 SE 1/4 Section Number 7 Township Number T 12 S Range Number R 16 E W

2 WELL OWNER: Last Name: Business: KDHE (Former Sinclair) 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): 320 SE 29th St, Topeka, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 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: 5.90 ft. X below land surface, measured on (mo-day-yr) 4/6/18

5 Latitude: 39.01537 (decimal degrees) Longitude: 95.67427 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 X NAD 27 Source for Latitude/Longitude: GPS (unit make/model): (WAAS enabled? Yes No) X Land Survey Topographic Map Online Mapper 6 Elevation 946.35 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 MW4 6 Environmental Remediation: well ID 7 Air Sparge Soil Vapor Extractor 8 Recovery Injection 9 Oil Field Water Supply: lease 10 Test Hole: well ID 11 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 5 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.39 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X 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 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,

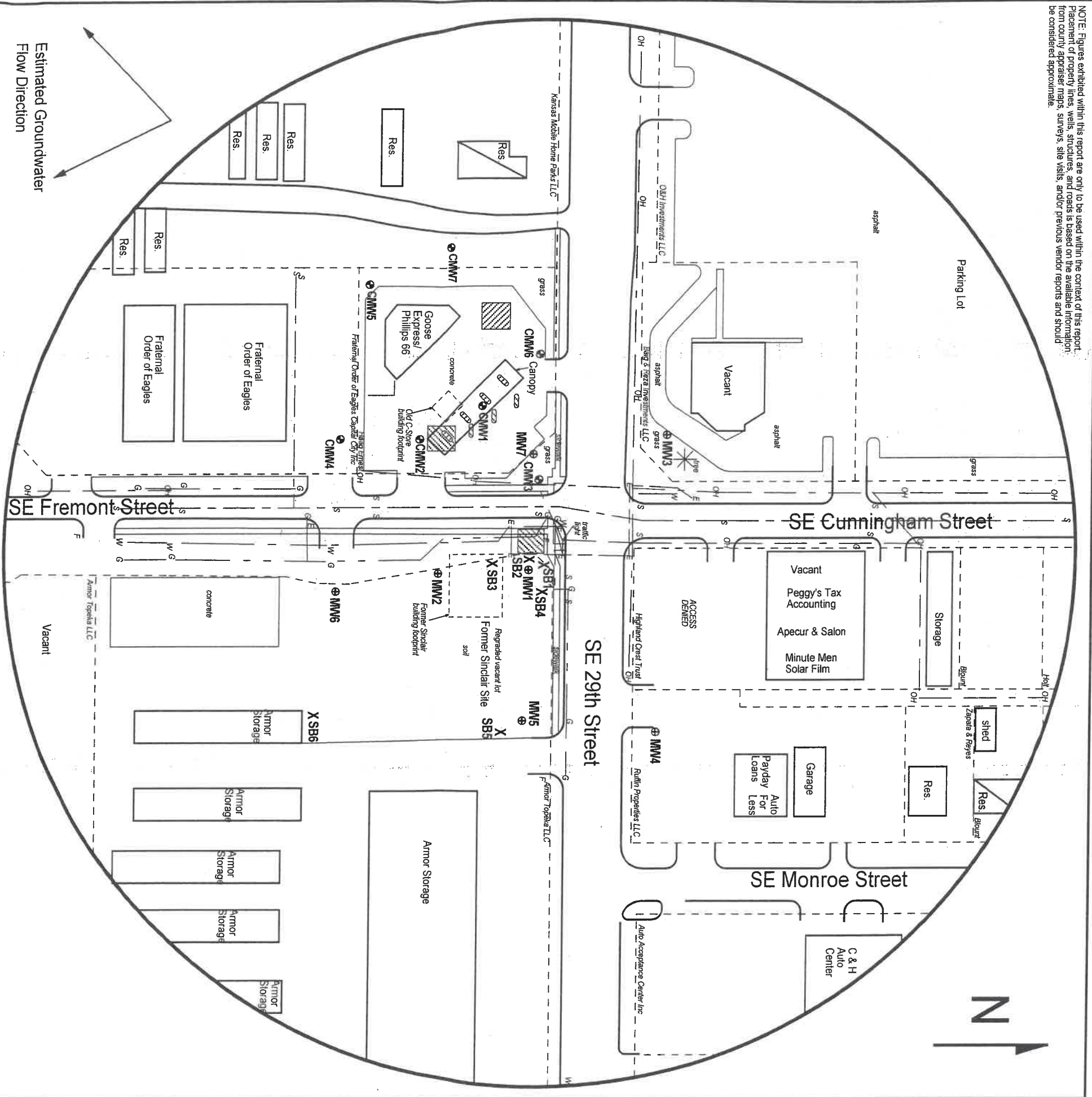
9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 3 ft, From ft. to ft, From ft. to ft,

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon 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? ~200 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.5 Asphalt, 0.5-3 Clay, 3-8 Shale, 8-15 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 X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 4/5/18 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-year) 5/1/18 under the business name of Larsen & Associates, Inc. Signature

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.



Estimated Groundwater  
Flow Direction













FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

  
**larsen**  
 & ASSOCIATES, INC.

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

**PROJECT:**  
 Former Sinclair  
 311 SE 29th Street  
 Topeka, KS  
 KDHE ID: U4-089-15033  
 Date: 4/6/18

**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
-  Plugged Monitoring Well Nearby Site Clark #1345 (U4-089-1605)
-  Monitoring Well (Install 4/4-5/18)
-  Soil Boring (Drilled 3/27-28/18)
-  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: SBS & SB6 were drilled to collect hydrologic samples. NOTE: Utility depths, heights and locations are approximate.

# 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

April 28, 2018

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

Proj. 18-00N  
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-1	rim	941.19	North	5208	NW1/4,NW1/4,NE1/4,NE1/4
	top pipe	940.90	West	1271	Lat= 39.01504 Long = 95.67472
MW-2	rim	939.34	North	5116	NW1/4,NW1/4,NE1/4,NE1/4
	top pipe	939.00	West	1277	Lat= 39.01479 Long = 95.67474
MW-3	rim	942.65	North	5332	SE1/4,SE1/4,SW1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	942.11	West	1390	Lat= 39.01539 Long = 95.67513
MW-4	rim	946.74	North	5330	SW1/4,SW1/4,SE1/4,SE1/4 (Sec. 7-12-16E)
	top pipe	946.35	West	1145	Lat= 39.01537 Long = 95.67427
MW-5	rim	944.94	North	5198	NW1/4,NW1/4,NE1/4,NE1/4
	top pipe	944.53	West	1119	Lat= 39.01501 Long = 95.67418
MW-6	rim	938.47	North	5022	NW1/4,NW1/4,NE1/4,NE1/4
	top pipe	937.86	West	1237	Lat= 39.01453 Long = 95.67461
MW-7	rim	940.33	North	5207	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	939.93	West	1366	Lat= 39.01504 Long = 95.67505

RECEIVED

MAY 12 2018

BUREAU OF WATER

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

Elevation established from City of Topeka BM #9. NAVD 27.

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

May 2, 2018  
Dennis L Handke RLS  
Dennis L Handke  
KANSAS  
LAND SURVEYOR