

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW1

[X] Original Record [] Correction [] Change in Well Use

1 LOCATION OF WATER WELL: County Shawnee, Fraction NE 1/4 NW 1/4 NE 1/4 NW 1/4, Section Number 36, Township Number T 11 S, Range Number R 15 E W. 2 WELL OWNER: Last Name: Business: KDHE, Address: 1000 SW Jackson Blvd, City Topeka, 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: [] 2001 SW 6th Ave., Topeka, KS. 3 LOCATE WELL WITH "X" IN SECTION BOX: [Diagram showing a 3x3 grid with 'X' in the center]. 4 DEPTH OF COMPLETED WELL: 19 ft. Depth(s) Groundwater Encountered: 1) 19 ft. 2) ... ft. 3) ... ft. or 4) [] Dry Well. WELL'S STATIC WATER LEVEL: 5.81 ft. [X] below land surface, measured on (mo-day-yr) 7/25/19. [] 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: 39.05835 (decimal degrees), Longitude: 95.69942 (decimal degrees), Horizontal Datum: [] 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 912.15 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 [] De-watering: how many wells? 4 [] Aquifer Recharge: well ID. 5 [X] Monitoring: well ID MW1. 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 [X] No. If yes, date sample was submitted:

8 TYPE OF CASING USED: [] Steel [X] PVC [] Other. CASING JOINTS: [] Glued [] Clamped [] Welded [X] Threaded. Casing diameter 2 in. to 9 ft, Diameter ... in. to ... ft, Casing height above land surface -0.27 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 9 ft. to 19 ft., From ... ft. to ... ft., From ... ft. to ... ft. GRAVEL PACK INTERVALS: From 7 ft. to 19 ft., From ... ft. to ... ft., From ... ft. to ... ft.

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.7'. Grout intervals: From 0.7 ft. to 7 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? Unknown Distance from well? Unknown ft.

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS. Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Asphalt, 0.3-3.5 Gravel w/ some silty clay, 3.5-8 Sandy clay, 8-11 Weathered shale, 11-15 Weathered shale w/ occasional limestone fingers, 15-19 Weathered shale. Notes: KDHE ID: Sinclair, Topeka; U4-089-15037. 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) 7/24/19 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) 8/8/19 under the business name of Larsen & Associates, Inc. Signature

DENNIS L HANDKE

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

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas 66046

August 1, 2019

RE: Monitor Well Elevation Survey
2001 SW 6th Ave., Topeka, Kansas

Proj. 19-00AA
Sinclair, Topeka
KDHE ID U4-089-15037

Bench Mark: Chisled Sq. on center front of storm inlet near NE corner of property.
Elev: 910.41 North 5161.89 West 3346.31 (from SE Cor. Sec. 36-11-15E)

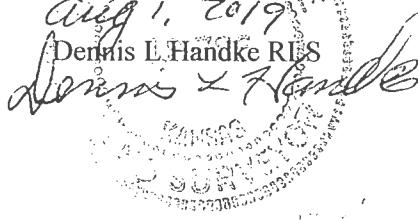
MW-1	rim	912.42	North	5156.99	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	912.15	West	3387.29	Lat = 39.05835 Long = 95.69942
MW-2	rim	912.55	North	5112.37	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	912.23	West	3385.35	Lat = 39.05823 Long = 95.69941
MW-3	rim	918.73	North	5138.57	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	918.49	West	3492.68	Lat = 39.05830 Long = 95.69979
MW-4	rim	910.13	North	5212.24	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	909.81	West	3318.36	Lat = 39.05850 Long = 95.69917
MW-5	rim	912.31	North	5011.61	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	912.00	West	3330.12	Lat = 39.05795 Long = 95.69922
MW-6	rim	911.24	North	5109.47	NE1/4,NW1/4,NE1/4,NW1/4
	top pipe	910.94	West	3302.46	Lat = 39.05822 Long = 95.69912

Elevation derived from City of Topeka bench mark #187.1 NAVD 27.

Lat & Long derived from Topeka 7.5 Quad Map WGS84.

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

Aug 1, 2019
Dennis L Handke RLS



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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.

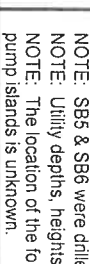
1311 E 25th St., Suite B 785-841-8707 office
 Lawrence, KS 66046 785-865-4282 fax

PROJECT:
 Sinclair, Topoka
 2001 SW 6th Ave.
 Topoka, KS
 KDHEID: U4-089-15037
 Date: 7/25/19

LEGEND

-  Building with Basement
-  Approximate Location of Property Line
-  Monitoring Well (Installed 7/23-24/19)
-  Soil Boring (Drilled 7/24-25/19)
-  Fire Hydrant
-  Gas Lines (1.5 - 3 ft bgs)
-  Overhead Lines (25'-40' high)
-  Sewer Lines (2 - 6 ft bgs)
-  Water Lines (2 - 6 ft bgs)

NOTE: SB5 & SB6 were drilled to collect hydrologic samples.
 NOTE: Utility depths, heights and locations are approximate.
 NOTE: The location of the former UST basin and pump islands is unknown.



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