

WATER WELL RECORD

Form WWC-5

Corrected

Division of Water Resources App. No.

[]

Well ID

MW11

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

1 LOCATION OF WATER WELL: County Leavenworth Fraction SE 1/4 NW 1/4 NE 1/4 NE 1/4 Section Number 35 Township Number T 8 S Range Number R 22 [X] E [] W

2 WELL OWNER: Last Name: Business: KDHE (Thomas Oil Company) 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): If at owner's address, check here: [] ~60' S of 210 S Broadway, Leavenworth

3 LOCATE WELL WITH "X" IN SECTION BOX: N NW NE SW SE S

4 DEPTH OF COMPLETED WELL: 20 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [] Dry Well WELL'S STATIC WATER LEVEL: _____ 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: 39.31620 (decimal degrees) Longitude: 94.92118 (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 781.99 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 [X] Monitoring: well ID MW11 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 [] Cased [] Uncased [] Geotechnical 11 Geothermal: How many bores? 12 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: _____ Water well disinfected? [] Yes [X] No

8 TYPE OF CASING USED: [] Steel [X] PVC [] 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 -0.41 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 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: 0-1' Grout intervals: From 1 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 [] Fuel Storage [] Abandoned Water Well [] Watertight Sewer Lines [] Seepage Pit [] Feedyard [] Fertilizer Storage [] Oil Well / Gas Well [] Other (Specify) _____ Direction from well? N Distance from well? ~110 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Row 1: 0, 1, Topsoil, , , . Row 2: 1, 20, Clay fill, , , .

Notes: KDHE ID: Thomas Oil Company; U4-052-00824 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) 11/9/22 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) 11/21/22 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 & Assoc.
1311 E. 25th St., Suite B
Topeka, Kansas 66046

November 17, 2022

RE: Monitor Well Elevation Survey
210 S. Broadway, Leavenworth Kansas

Proj. 22-00LLL
Thomas Oil
KDHE ID U4-052-00824

Bench Mark: Chisled X on West top bolt of concrete sign base at Southeast corner property.
Elev.: 781.65 North 4837 West 765 (from SE Cor. Sec. 35-8-22E)

MW-6	rim	782.70	North	4905	SE1/4,NW1/4,NE1/4,NE1/4
	top pipe	782.22	West	886	Lat = 39.31660 Long = 94.92158
MW-10	rim	784.86	North	4983	NE1/4,NW1/4,NE1/4,NE1/4
	top pipe	784.43	West	921	Lat = 39.31681 Long = 94.92171
MW-11	rim	782.40	North	4757	SE1/4,NW1/4,NE1/4,NE1/4
	top pipe	781.99	West	773	Lat = 39.31620 Long = 94.92118
MW-12	rim	785.03	North	4816	SE1/4,NW1/4,NE1/4,NE1/4
	top pipe	784.51	West	947	Lat = 39.31635 Long = 94.92180
MW-13	rim	785.16	North	4883	SE1/4,NW1/4,NE1/4,NE1/4
	top pipe	784.72	West	990	Lat = 39.31653 Long = 94.92195

Lat & Long derived from Leavenworth 7.5' quad map. WGS84.

Elevation derived from existing project. NAVD 88.

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



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.

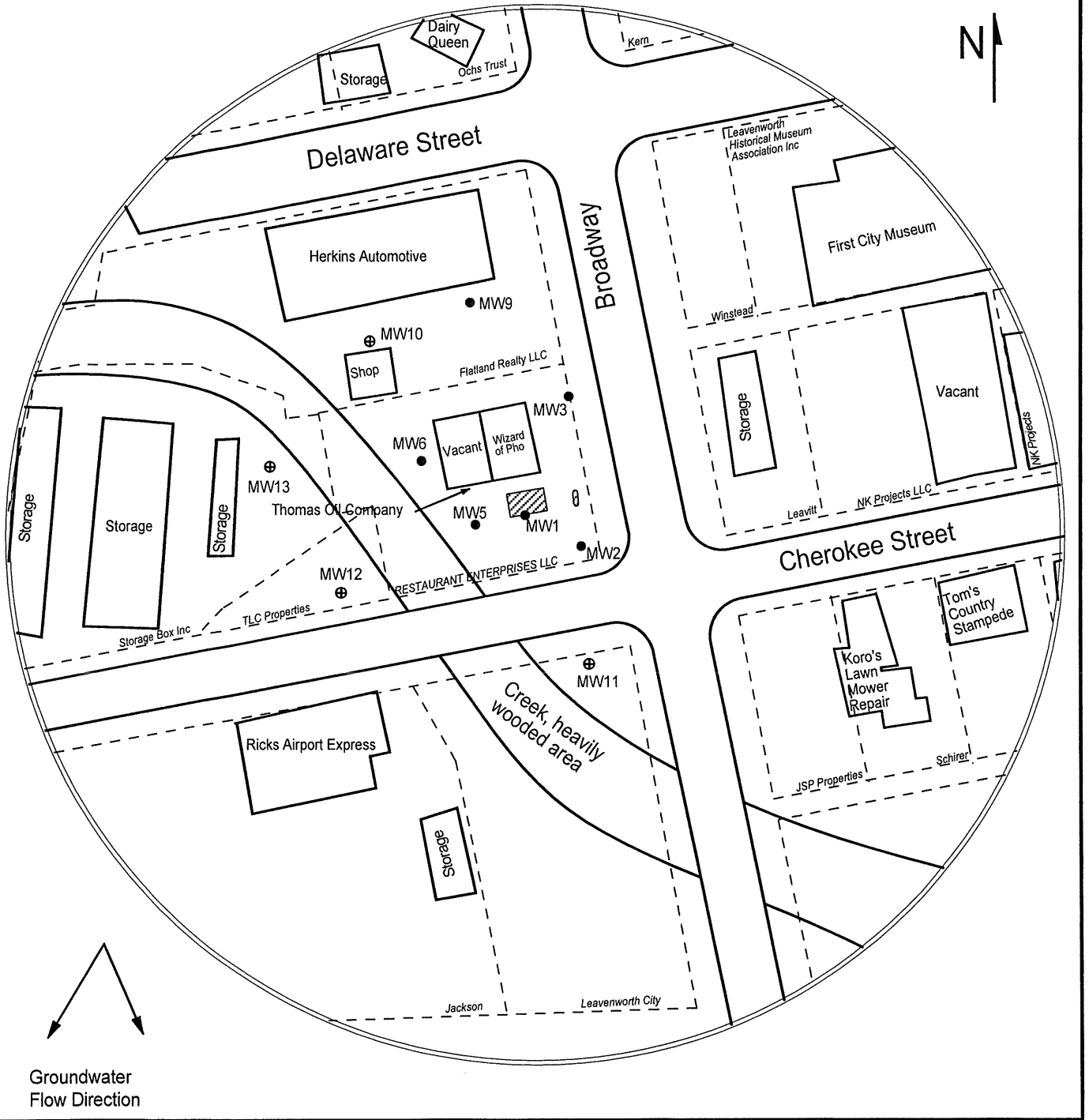






FIGURE 1 - 350 FT RADIUS AREA BASE MAP

LEGEND:

-  Approximate Location of Former UST Basin & Pump Island
-  Approximate Location of Property Line
-  Existing Monitoring Well
-  Newly installed Monitoring Well



PROJECT:
 Thomas Oil
 210 S. Broadway,
 Leavenworth, KS
 KDHE ID: U4-052-00824
 Date: 11/9/22

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

