WATER WELL RECORD Form WWC-5

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

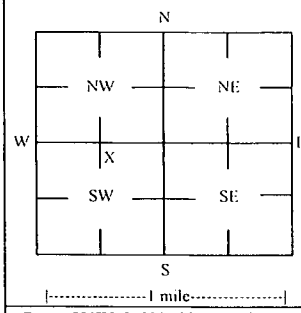
Division of Water Resources App. No. _____ Well ID MW11

1 LOCATION OF WATER WELL: County Douglas | Fraction NE ¼ NW ¼ NE ¼ SW ¼ | Section Number 6 | Township Number T 13 S | Range Number R 20 [X] E [ ] W

2 WELL OWNER: Last Name: First:
Business: KDHE (Continental Oil Co.)
Address: 1000 SW Jackson
Address:
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: [ ]
1906 Massachusetts St, Lawerence, KS

3 LOCATE WELL WITH "X" IN SECTION BOX:



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: 3.06 ft.
[X] below land surface, measured on (mo-day-yr) 5/5/20
[ ] 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: 38.94978 (decimal degrees)
Longitude 95.23570 (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 868.04 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
2 [ ] Irrigation
3 [ ] Feedlot
4 [ ] Industrial
5 [ ] Public Water Supply: well ID
6 [ ] Dewatering: how many wells?
7 [ ] Aquifer Recharge: well ID
8 [X] Monitoring: well ID MW11
9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractior [ ] 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 [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 [ ] Clampled [ ] Welded [X] Threaded
Casing diameter 2 in. to 10 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 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? ~200 ft Distance from well? N ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.3	Concrete			
0.3	1	Gravel			
1	3	Silty clay, some gravel			
3	20	Silty clay			

Notes: KDHE ID: Continental Oil Co.; U4-023-15188
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) 4/21/20 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) 6/2/20
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 GWMS 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

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.

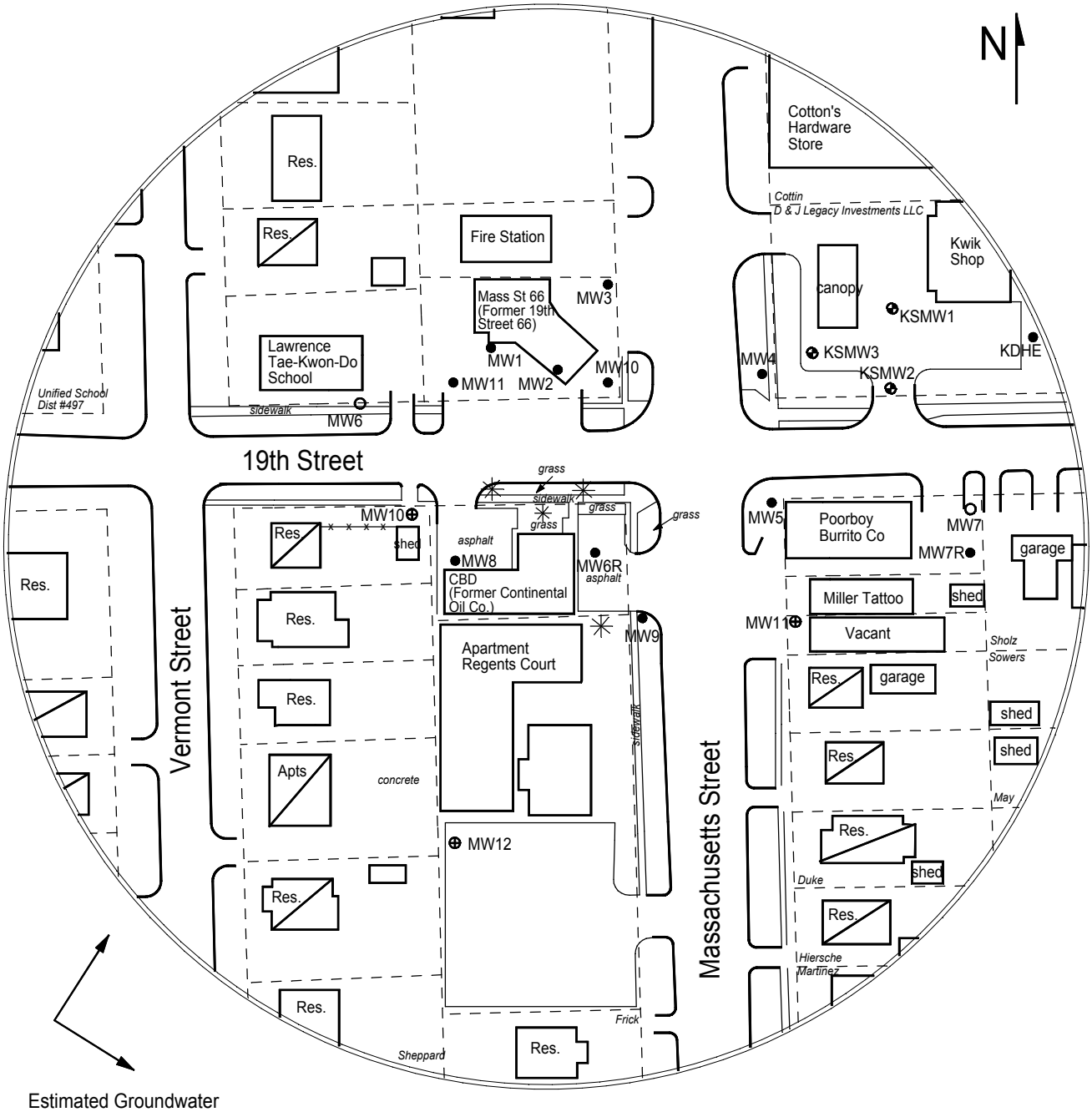


FIGURE 2.1 - 350 FT RADIUS AREA BASE MAP

LEGEND:

- Approximate Location of Former UST Basin, Product Lines & Pump Islands
- Approximate Location of Active UST Basin & Pump Islands
- Building with Basement
- Approximate Location of Property Line
- Monitoring Well from nearby site 19th Street 66 (U4-023-01681)
- Monitoring Well from nearby site Kwik Shop #702 (U4-023-11798)
- Plugged Well
- Monitoring Well (Installed 4/20-21/20)
- X Soil Boring (Drilled 4/20/20)
- F Fire Hydrant
- E Electric Lines (1.5 - 3 ft bgs)
- G Gas Lines (1.5 - 3 ft bgs)
- S Sewer Lines (2 - 6 ft bgs)
- OH Overhead Lines (25'-40' high)
- T Telephone Lines (2 - 6 ft bgs)
- W Water Lines (1.5 - 3 ft bgs)

NOTE: SB5 & SB6 were drilled to collect hydrologic samples.
NOTE: Utility depths, heights and locations are approximate.

larsen & ASSOCIATES, INC.

1311 E 25th St. Suite B
Lawrence, KS 66046

785-841-8707 office
785-865-4282 fax

PROJECT:

Continental Oil Co.
1901 Massachusetts
Lawrence, KS
KDHE ID: U4-023-15188
Date: 5/5/20

0 100 ft

Douglas 6 - T13 - R20E

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

May 1, 2020

RE: Monitor Well Elevation Survey
1901 Massachusette, Lawrence, Kansas

Proj. 20-00T
Continental Oil Co.
KDHE ID U4-023-15188

Bench Mark: Chisled square on Southwest corner of signal light base the SW corner of property.
Elev.: 869.52 North 2687.27 West 3611.87 (from SE Cor. Sec. 6-13-20E)

MW-10	rim	870.36	North	2676.61	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	870.00	West	3729.63	Lat = 38.94998 Long = 95.23656
MW-11	rim	868.43	North	2602.55	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	868.04	West	3485.08	Lat = 38.94978 Long = 95.23570
MW-12	rim	870.50	South	2459.84	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	870.11	West	3711.40	Lat = 38.94938 Long = 95.23650

Lat & Long derived from Lawrence East 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.

Dennis L Handke RLS