

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW5

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

1 LOCATION OF WATER WELL: County Wilson Fraction SE 1/4 NW 1/4 SE 1/4 SW 1/4 Section Number 12 Township Number T 29 S Range Number R 14 [X] E [ ] W

2 WELL OWNER: Last Name: Fowler First: Douglas 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: [ ] -240' SW of 321 N 7th, Fredonia, KS

3 LOCATE WELL WITH "X" IN SECTION BOX: [Diagram showing a 3x3 grid with 'x' in the SW quadrant] 4 DEPTH OF COMPLETED WELL: 14.99 ft Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4) [ ] Dry Well WELL'S STATIC WATER LEVEL: 6.71 ft. [X] below land surface, measured on (mo-day-yr) 12/5/2016 [ ] 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: 37.53226 (decimal degrees) Longitude: 95.82726 (decimal degrees) Horizontal Datum: [ ] WGS 84 [ ] NAD 83 [X] NAD 29 Source for Latitude/Longitude: [ ] GPS (unit make/model: \_\_\_\_\_) (WAAS enabled? [ ] Yes [ ] No) [X] Land Survey [ ] Topographic Map [ ] Online Mapper 6 Elevation 884.22 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 MW5 9 Environmental Remediation: well ID \_\_\_\_\_ [ ] Air Sparge [ ] Soil Vapor Extractor [ ] 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 [ ] Clamped [ ] Welded [X] Threaded Casing diameter 2 in. to 4.99 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Casing height above land surface -0.51 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 4.99 ft. to 14.99 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, GRAVEL PACK INTERVALS: From 3.5 ft. to 15.5 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 3.5 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? NE Distance from well? ~310 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

0	2	Topsoil w/ gravel			
2	7	Silty clay			
7	15.5	Crystalline limestone w/ shale			

Notes: KDHE ID: Fredonia Pharmacy; U3-103-14837

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) 9/27/16 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) \_\_\_\_\_ 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, GWC 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.

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-217-5864 Cell

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

October 31, 2016

RE: Monitor Well Elevation Survey  
321 N. 7th St., Fredonia, Kansas

Proj. 16-00T  
Fredonia Pharmacy  
KDHE ID U3-103-14837

Bench Mark: Chisled Sq. on the top of the curb at SE corner of parking lot.  
Elev: 889.84      North 1185      West 3348      (from SE Cor. Sec. 12-29-14E)

MW-1	rim	890.65	North 1210	NE1/4,NW1/4,SE1/4,SW1/4
	top pipe	890.27	West 3366	Lat = 37.53327    Long = 95.82668
MW-2	rim	890.16	North 1238	NE1/4,NW1/4,SE1/4,SW1/4
	top pipe	889.74	West 3373	Lat = 37.53335    Long = 95.82671
MW-3	rim	889.23	North 1127	NE1/4,NW1/4,SE1/4,SW1/4
	top pipe	888.94	West 3343	Lat = 37.53304    Long = 95.82260
MW-4	rim	889.47	North 1212	NE1/4,NW1/4,SE1/4,SW1/4
	top pipe	889.12	West 3422	Lat = 37.53328    Long = 95.82687
MW-5	rim	884.73	North 981	SE1/4,NW1/4,SE1/4,SW1/4
	top pipe	884.22	West 3530	Lat = 37.53226    Long = 95.82726

Elevation derived from USGS BM "Fredonia 1933" NAVD 88.

Lat & Long derived from Fredonia 7.5 Quad Map NAVD 29

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

