

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

[Empty Box]

Well ID

MW2

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

1 LOCATION OF WATER WELL: County Shawnee Fraction SE 1/4 SE 1/4 SE 1/4 SE 1/4 Section Number 34 Township Number T 11 S Range Number R 16 [X] E [] W

2 WELL OWNER: Last Name: First: 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: [] Business: Jays Realty, LLC Address: PO Box 1176 Address: City Independence State: KS ZIP: 67301 545 SE Croco Rd., Topeka, KS

3 LOCATE WELL WITH "X" IN SECTION BOX: [Diagram showing a 3x3 grid with NW, NE, SW, SE, and S labels. An 'X' is marked in the bottom right corner.]

4 DEPTH OF COMPLETED WELL: 26 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [] Dry Well WELL'S STATIC WATER LEVEL: 24.94 ft [X] below land surface, measured on (mo-day-yr) 12/21/16 [] above land surface, measured on (mo-day-yr) _____ ft 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: 39.04470 (decimal degrees) Longitude: 95.61391 (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 945.32 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 [] 3 [] 4 [] 5 [] Public Water Supply: well ID 6 [] Dewatering: how many wells? 7 [] Aquifer Recharge: well ID 8 [X] Monitoring: well ID MW2 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 11 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.35 in. Weight _____ lbs./ft. Well thickness or gauge No _____ TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) [] Other (Specify) _____ 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 11 ft. to 26 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, GRAVEL PACK INTERVALS: From 9 ft. to 26.5 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 9 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? S Distance from well? ~10 ft

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

0	0.3	Asphalt			
0.3	11	Silty clay			
11	19	Weathered shale			
19	26	Silty sandstone			
26	26.5	Limestone			

Notes: KDHE ID: Pops Stop-N-Shop; U4-089-14702

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) 10/11/16 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) 11/7/16 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, GW 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

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

October 28, 2016
Revised November 7, 2016
Revised January 12, 2017

RE: Monitor Well Elevation Survey
545 SE Croco Road, Topeka, Kansas

Proj. 16-00V
Pops Stop-N-Shop
U4-089-14702

Bench Mark: Chisled X on NNE bolt on top flange of fire hydrant, 103 feet ESE of building.
Elev: 948.31 North 103 West 40 (from SE Cor. Sec. 34-11-16E)

MW-1	rim	946.32	North	112	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	945.97	West	154	Lat= 39.04460 Long = 95.61406
MW-2	rim	945.67	North	147	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	945.32	West	111	Lat= 39.04470 Long = 95.61391
MW-3	rim	947.16	North	79	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	946.90	West	79	Lat= 39.04451 Long = 95.61380
MW-4	rim	947.55	North	60	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	947.34	West	171	Lat= 39.04446 Long = 95.61413
MW-5	rim	946.08	North	141	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	945.79	West	226	Lat= 39.04469 Long = 95.61431
MW-6	rim	940.83	North	235	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	940.47	West	144	Lat= 39.04494 Long = 95.61402
MW-7	rim	941.33	North	273	SE1/4,SE1/4,SE1/4,SE1/4
	top pipe	940.98	West	250	Lat= 39.04505 Long = 95.61438

Elevation derived from City of Topeka BM #75.1 NAVD27.

Lat & Long derived from Grantville 7.5' Quad Maps WGS 84.

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
Dennis L Handke
Professional Engineer
No. 10000
State of Kansas
Expiration 12/31/2017