

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

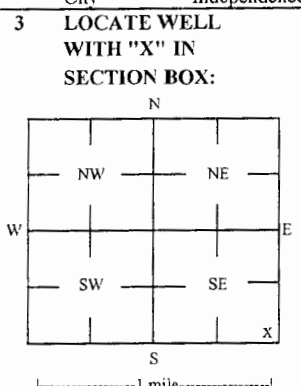
Well ID

MW4

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 16 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: 545 SE Croco Rd., Topeka, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 23.55 ft Depth(s) Groundwater Encountered: 1) 23.55 ft 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: 11.75 ft

5 Latitude: 39.04446 (decimal degrees) Longitude: 95.61413 (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 947.34 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 Monitoring: well ID MW4 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 7 Oil Field Water Supply: lease 8 Test Hole: well ID Cased Uncased Geotechnical 9 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 No X No If yes, date sample was submitted: Water well disinfected? Yes No X No

8 TYPE OF CASING USED: Steel PVC X PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 8.55 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.21 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 8.55 ft. to 23.55 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 7 ft. to 24 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 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? NE Distance from well? ~15 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Topsoil, Silty clay, Weathered shale/claystone, Sandstone, 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

# DENNIS L HANDKE

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

Jess Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> 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

Bnch 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*  
Dennis L Handke  
Professional Engineer  
No. 10000  
State of Kansas  
Exp. 12/31/2017