

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

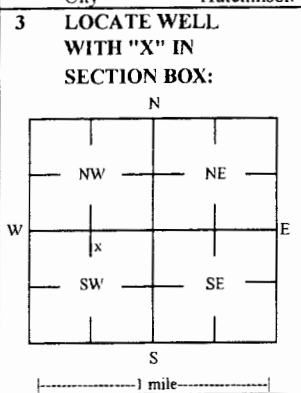
Well ID

MW2

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Shawnee Fraction NE 1/4 NW 1/4 NE 1/4 SW 1/4 Section Number 6 Township Number T 12 S Range Number R 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: Business: Kwik Shop Inc Address: 734 E. 4th Address: City Hutchinson State: KS ZIP: 67501 1700 Topeka Blvd., Topeka, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 20.01 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 8.48 ft [X] below land surface, measured on (mo-day-yr) 3/11/2016 [] 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: 39.03678 (decimal degrees) Longitude: 95.68234 (decimal degrees) Horizontal Datum: [] WGS 84 [] NAD 83 [X] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model: _____) (WAAS enabled? [] Yes [] No) [X] Land Survey [] Topographic Map [] Online Mapper 6 Elevation 900.61 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 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 5.01 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.25 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 5.01 ft. to 20.01 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, GRAVEL PACK INTERVALS: From 4 ft. to 20.5 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 4 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? ~15 ft

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

0	1.2	Concrete & gravel			
1.2	5	Tan medium sand w/ gravel			
5	6	Tan silt			
6	8	Medium brown silty clay			
8	8.75	Tan fine sand			
8.75	9	Dark gray fine sand			
9	10	Gray brown clay			
10	15	Gray brown silty clay			
15	20.5	Light brown silty clay			

Notes: KDHE ID: Kwik Shop #729; U4-089-14746

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) 3/8/16 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) 5/24/16 under the business name of Larsen & Associates, Inc. Signature _____

DENNIS L HANDKE

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TOPEKA, KANSAS 66618
785-286-4047 Home
785-217-5864 Cell

Jessica Chapman
Larsen & Associates
1607 SW 41st Street
Lawrence, Kansas, 66609

April 11, 2016

RE: Monitor Well Elevation Survey
1700 S. Topeka Blvd, Topeka, Kansas

Proj. 16-00E
Kwik Shop #729
U4-089-14746

Bnch Mark: Chisled Sq. on South center of storm inlet, West side of North entrance to property.
Elev: 901.13 North 2443.73 West 3606.03 (from SE Cor. Sec. 6-12-16E)

MW-1	rim	901.84	North	2412.24	NW1/4,NW1/4,NE1/4,SW1/4
	top pipe	901.49	West	3655.97	Lat= 39.03674 Long = 95.68255
MW-2	rim	900.86	North	2428.45	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	900.61	West	3597.95	Lat= 39.03678 Long = 95.68234
MW-3	rim	902.41	North	2340.66	NW1/4,NW1/4,NE1/4,SW1/4
	top pipe	902.08	West	3680.54	Lat= 39.03655 Long = 95.68264
MW-4	rim	904.16	North	2545.48	SW1/4,SW1/4,SE1/4,NW1/4
	top pipe	903.72	East	3801.94	Lat= 39.03712 Long = 95.68305
MW-5	rim	903.04	North	2238.28	NW1/4,NW1/4,NE1/4,SW1/4
	top pipe	902.79	West	3679.24	Lat= 39.03627 Long = 95.68265
MW-6	rim	903.16	North	2289.23	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	902.89	West	3604.68	Lat= 39.03640 Long = 95.68238
MW-7	rim	901.59	North	2390.03	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	901.15	West	3456.14	Lat= 39.03666 Long = 95.68184
MW-8	rim	899.06	North	2213.12	NE1/4,NW1/4,NE1/4,SW1/4
	top pipe	898.62	West	3399.22	Lat= 39.03617 Long = 95.68167
MW-9	rim	901.77	North	2334.67	NW1/4,NW1/4,NE1/4,SW1/4
	top pipe	901.32	West	3785.19	Lat= 39.03654 Long = 95.68301

Elevation derived from City of Topeka BM#32.1 NAVD 27.

Lat & Long derived from Topeka 7.5' Quad Map. WGS84

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

