

WATER WELL RECORD

Form WWC-5

Division of Water

Resources App. No. []

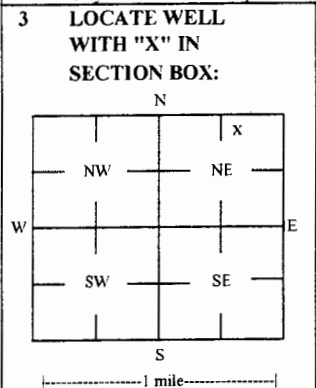
Well ID

MW14

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

1 LOCATION OF WATER WELL: County Russell Fraction NE 1/4 NE 1/4 NW 1/4 NE 1/4 Section Number 34 Township Number T 13 S Range Number R 14 [] E [X] 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: Kansas Department of Health & Environment Address: 1000 SW Jackson City: Topeka State: KS ZIP: 66612



4 DEPTH OF COMPLETED WELL: 15 ft Depth(s) Groundwater Encountered: 1) 15 ft 2) _____ ft 3) _____ ft, or 4) [] Dry Well WELLS STATIC WATER LEVEL: 5.63 ft [X] below land surface, measured on (mo-day-yr) 4/25/17 [] 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: 38.88545 (decimal degrees) Longitude: 98.85966 (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: 1839.91 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 [X] Monitoring: well ID MW14 6 [] Environmental Remediation: well ID 7 [] Air Sparge [] Soil Vapor Extractor 8 [] Recovery [] Injection 9 [] Oil Field Water Supply: lease 10 [] Test Hole: well ID [] Cased [] Uncased [] Geotechnical 11 [] 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 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.33 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 5 ft. to 15 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft. GRAVEL PACK INTERVALS: From 3 ft. to 15 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 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? E-NE Distance from well? ~350 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.5 Asphalt and concrete, 0.5-6 Silty clay, 6-8.5 Siltstone and silty clay, 8.5-15 Sandstone.

Notes: KDHE ID: Thrift Station: U6-084-00718

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) 4/4/17 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) 5/15/17 under the business name of Larsen & Associates, Inc. Signature []

SMH CONSULTANTS

April 27, 2017

Larsen & Associates, Inc.
 Jessica Chapman
 1311 East 25th Street, Suite B
 Lawrence, Kansas 66046
 Email: Jess@larsenenvironmental.com

RE: Project No. 1704MN1106

Jessica:

The following is the information requested on a Monitoring Well Site, Thrift Station, 211 East Wichita, Russell, Russell County, Kansas.

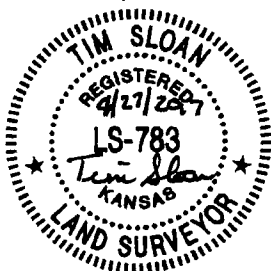
Point	North Coord.	East Coord.	Distance SE Cor. North	From S.27 West	Elev. Top Of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Corner S.27-T13S-R14W	10000	10000						
MW14	9968.74	8515.44	-31.26	1484.56	1840.24	1839.91	38.88545	98.85966
MW15	9880.29	8675.62	-119.71	1324.38	1839.88	1839.62	38.88521	98.85910
MW16	10055.26	8649.37	55.26	1350.63	1840.65	1840.42	38.88569	98.85919
Site BM	10103.13	8912.62	103.13	1087.38		BM Elevation = 1840.03		

BM Description: "+" cut at southwest corner of building.

MW14, MW15 are in the: NE¼ NE¼ NW¼ NE¼ S.34-T13S-R14W
 MW16 is in the: SE¼ SE¼ SW¼ SE¼ S.27-T13S-R14W

If you have any questions, please do not hesitate in giving us a call.

Sincerely,



Tim Sloan, L.S.
 SMH CONSULTANTS

RECEIVED
 MAY 30 2017
 BUREAU OF WATER