

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW3R

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: 2 WELL OWNER: Last Name: 3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 5 Latitude: Longitude: 6 Elevation: Source: 7 WELL WATER TO BE USED AS: 8 TYPE OF CASING USED: TYPE OF SCREEN OR PERFORATION MATERIAL: SCREEN OR PERFORATION OPENINGS ARE: GRAVEL PACK INTERVALS: 9 GROUT MATERIAL: Nearest source of possible contamination: Direction from well? Distance from well? 10 Oil Field Water Supply: lease 11 Test Hole: well ID 12 Geothermal: How many bores? a) Closed Loop b) Open Loop Other (specify): Was a chemical/bacteriological sample submitted to KDHE? Water well disinfected? 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):

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 15 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.23 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 15 ft. to 30 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 13 ft. to 30.5 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-0.5 ft Grout intervals: From 0.5 ft. to 13 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? ~50 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-19 Topsoil: Silty clay, 19-24 Silty clay with iron nodules, 24-30.5 Sandstone

Notes: KDHE ID: Rick's Concordia Apco; U5-015-10020

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) 1/20/16 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) 4/4/16 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, Geology 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.

# SMH CONSULTANTS

February 10, 2016

Larsen & Associates  
 Jessica Chapman  
 1311 East 25<sup>th</sup> Street, Suite B  
 Lawrence, Kansas 66046  
 Email: Jess@LarsenEnvironmental.com

RE: Project No. 1602MN1016

Dear Jessica:

The following is the information requested on a Monitoring Well Site, Rick's Concordia Apco, 1302 Lincoln, Concordia, Cloud County, Kansas.

Point	North Coord.	East Coord.	Distance SE Cor. North	From S.04 West	Elev. Top Of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Corner S.04-T06S-R03W	5000	5000						
MW2RR	9027.45	2201.78	4027.45	2798.22	1390.99	1390.47	39.56461	97.65828
MW3R	8982.00	2376.24	3982.00	2623.76	1393.90	1393.67	39.56446	97.65763
MW11R	9168.79	2417.96	4168.79	2582.04	1394.26	1393.79	39.56497	97.65748
MW13	8845.71	2215.60	3845.71	2784.40	1391.29	1390.79	39.56409	97.65820
Site BM	8985.16	2410.16	3985.16	2589.84		BM Elevation = 1395.93		

BM Description: "M" in Mueller on top of fire hydrant in the southwest quadrant of intersection of 13<sup>th</sup> Street and US 81.

MW2RR is in the: SE¼ SE¼ NE¼ NW¼ S.04-T06S-R03W  
 MW13 is in the: NE¼ NE¼ SE¼ NW¼ S.04-T06S-R03W  
 MW3R and MW11R are in the: SW¼ SW¼ NW¼ NE¼ S.04-T06S-R03W

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

Sincerely,



Tim Sloan, L.S.  
 SMH CONSULTANTS