

**WATER WELL RECORD**

Form WWC-5

Division of Water Resources App. No.

Well ID

**MW2RR**

Original Record  Correction  Change in Well Ust

1 **LOCATION OF WATER WELL:** County Cloud Fraction SE ¼ SE ¼ NE ¼ NW ¼ Section Number 4 Township Number T 6 S Range Number R 3 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: Midwest Petroleum  
 Address: 210 Paseo, Terraza, Unit 404  
 Address: 115 E. 13th St., Concordia, KS 66901  
 City: St. Augustine State: FL ZIP: 32095

3 **LOCATE WELL WITH "X" IN SECTION BOX:**

4 **DEPTH OF COMPLETED WELL:** 34.95 ft  
 Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft  
 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: 23.72 ft.  
 below land surface, measured on (mo-day-yr) 1/21/16  
 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:** 39.56461 (decimal degrees)  
**Longitude** 97.65828 (decimal degrees)  
 Horizontal Datum:  WGS 84  NAD 83  NAD 27  
 Source for Latitude/Longitude:  
 GPS (unit make/model: \_\_\_\_\_)  
 (WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper

6 **Elevation** 1390.47 ft  Ground Level  TOC  
 Source:  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 **MW2RR**

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 \_\_\_\_\_

11  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  No If yes, date sample was submitted: \_\_\_\_\_

Water well disinfected?  Yes  No

8 **TYPE OF CASING USED:**  Steel  PVC  Other \_\_\_\_\_ CASING JOINTS:  Glued  Clamped  Welded  Threaded  
 Casing diameter 2 in. to 19.95 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft,  
 Casing height above land surface -0.52 in. Weight \_\_\_\_\_ lbs./ft. Well thickness or gauge No \_\_\_\_\_

**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  Fiberglass  PVC  Other (Specify) \_\_\_\_\_  
 Brass  Galvanized Steel  Concrete tile  None used (open hole)

**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous Slot  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 19.95 ft. to 34.95 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft,  
**GRAVEL PACK INTERVALS:** From 18 ft. to 35 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft,

9 **GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other Concrete: 0-0.5 ft  
 Grout intervals: From 0.5 ft. to 18 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  Fuel Storage  Abandoned Water Well  
 Watertight Sewer Lines  Seepage Pit  Feedyard  Fertilizer Storage  Oil Well / Gas Well  
 Other (Specify) \_\_\_\_\_

Direction from well? SE Distance from well? ~95 ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	7	Gravel; Clayey silt			
7	15	Silt with iron modules			
15	30	Silt			
30	35	Silty clay			

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

11 **CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  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 \_\_\_\_\_

# 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