

**CORRECTION(S) TO WATER WELL RECORD (Form WWC-5)**

(to rectify lacking or incorrect information)

<b>LOCATION OF WATER WELL:</b> County: <u>Thomas</u>	Fraction <u>NW</u> <u>1/4</u> <u>NW</u> <u>1/4</u> <u>NE</u> <u>1/4</u> <u>NE</u> <u>1/4</u>	Section <u>1</u>	Township T <u>8</u> S	Range R <u>34</u> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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**Owner:** City of Colby

**Location was listed as:**

Sec. 1 T 7 S R 34 E W

Fraction: NW NW NE NE

**Location changed to:**

Sec. 1 T 8 S R 34 E W

Fraction: NW NW NE NE

**Other changes:** Initial statements: \_\_\_\_\_

Changed to: \_\_\_\_\_

Comments: Constructed record of MW 21

Verification method: Interactive Map and correspondents with MILCO Environmental Services, Inc.

initials: DRL date: 11-17-2016

Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726  
to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

Division of Water Resources App. No.  

Well ID MW 21

**1 LOCATION OF WATER WELL:**  
 County: **Thomas**      Fraction **NW 1/4 NW 1/4 NE 1/4 NE 1/4**      Section Number **1**      Township Number **T 7 S**      Range Number **R 34**  E  W

**2 WELL OWNER:** Last Name: **City of Colby**      First:   
 Business: **City of Colby**      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:   
 Address: **585 N. Franklin**      **Colby Public Power - 120 N. Sterling, Colby, KS 67701**  
 Address:   
 City: **Colby**      State: **KS**      ZIP: **67701**

**3 LOCATE WELL WITH "X" IN SECTION BOX:**  
 N  
  
 S  
 W      E  
 1 mile

**4 DEPTH OF COMPLETED WELL:** ..... **160** ..... ft.  
 Depth(s) Groundwater Encountered: 1) ..... ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
**WELL'S STATIC WATER LEVEL:** ..... **142.12** ..... ft.  
 below land surface, measured on (mo-day-yr) ..... **9-6-16** .....  
 above land surface, measured on (mo-day-yr) .....  
 Pump test data: Well water was ..... ft.  
 after ..... hours pumping ..... gpm  
 Well water was ..... ft.  
 after ..... hours pumping ..... gpm  
 Estimated Yield: ..... gpm  
 Bore Hole Diameter: ..... **8.6** ..... in. to ..... ft. and  
 ..... in. to ..... ft.

**5 Latitude:** ..... **39.3939084** ..... (decimal degrees)  
**Longitude:** ..... **101.0585817** ..... (decimal degrees)  
 Horizontal Datum:  WGS 84  NAD 83  NAD 27  
**Source for Latitude/Longitude:**  
 GPS (unit make/model: **EPOCH**)  
 (WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper: .....

**6 Elevation:** **3162.41** ..... ft.  Ground Level  TOC  
**Source:**  Land Survey  GPS  Topographic Map  
 Other .....

**7 WELL WATER TO BE USED AS:**

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	2. <input type="checkbox"/> Irrigation	3. <input type="checkbox"/> Feedlot	4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID .....	6. <input type="checkbox"/> Dewatering: how many wells? .....	7. <input type="checkbox"/> Aquifer Recharge: well ID .....	8. <input checked="" type="checkbox"/> Monitoring: well ID <b>MW-21</b> .....	9. Environmental Remediation: well ID .....	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> Oil Field Water Supply: lease .....	11. Test Hole: well ID .....	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical	12. Geothermal: how many bores? .....	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water	13. <input type="checkbox"/> Other (specify): .....
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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 ..... **4** ..... in. to ..... **130** ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface ..... **7.56** ..... in.      Weight ..... lbs./ft.      Wall 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 **130** ..... ft. to **160** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From **127** ..... ft. to **160** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

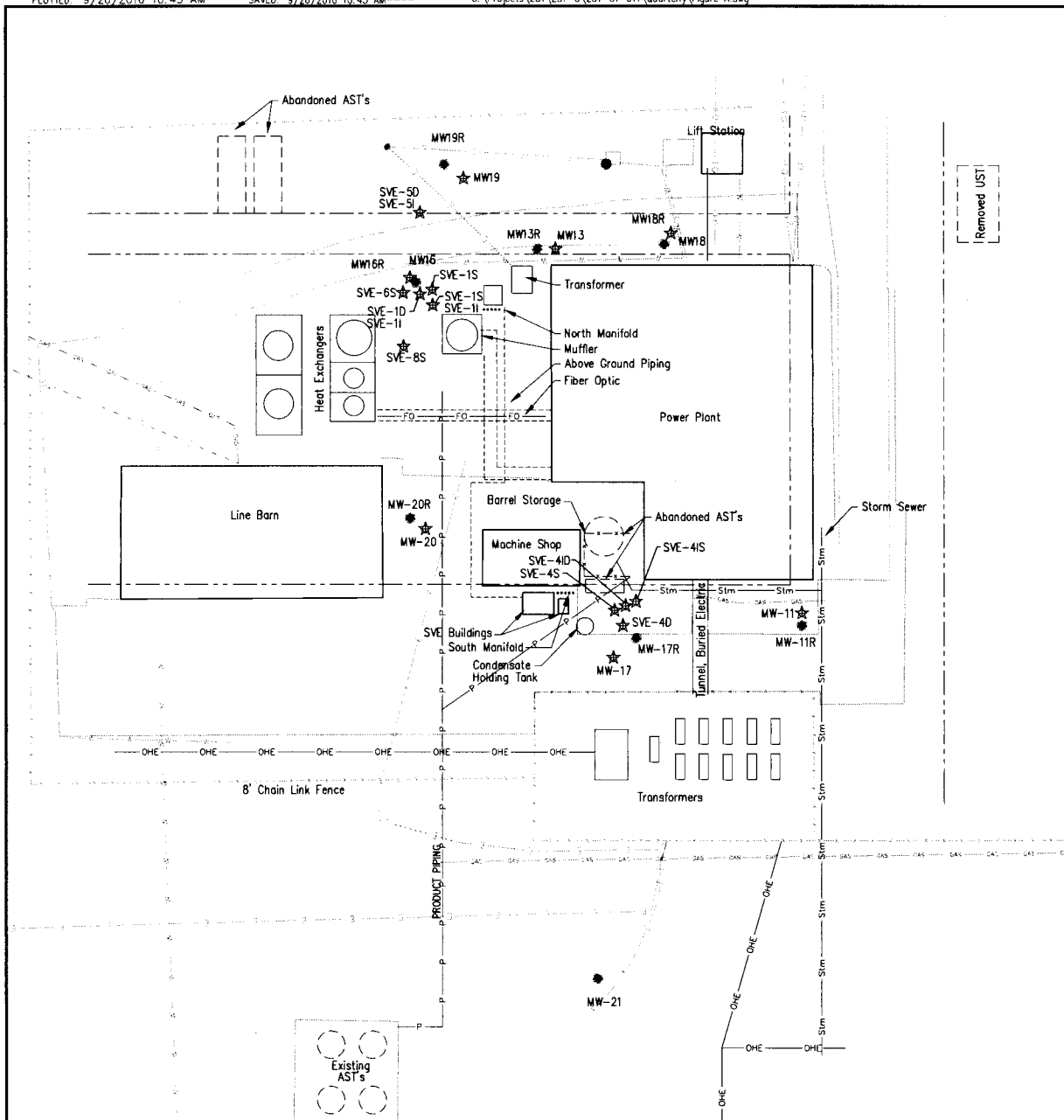
**9 GROUT MATERIAL:**  Neat cement       Cement grout       Bentonite       Other **concrete 0-11t** .....  
 Grout Intervals: From **1** ..... ft. to **127** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**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? .....      Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	2	Grass/topsoil			
2	25	Silt			
25	42	Silty clay with caliche and sand			
42	68	Sand with gravel, caliche and clay			
68	83	Clay with caliche and sand			
83	104	Sand with clay			
104	142	Gravelly sand with clay and caliche			Notes:
142	162	Sand with caliche			

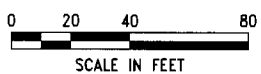
**11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo-day-year) **8-30-16** ..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **881** ..... This Water Well Record was completed on (mo-day-year) **9-28-16** ..... under the business name of **Wopler Pump & Well** ..... Signature: *[Signature]*



Point Designation	Coordinates		Latitude	Longitude	Top of Rim Elevation	Top of Casing Elevation
	North	West				
MW-11R	26.042	1000.73	39.3942772	101.0582967	3164.18	3163.79
MW-12R	-196.765	1191.15	39.3936718	101.0589795	3162.60	3162.30
MW-13R	170.13	1102.90	39.3946760	101.0586522	3165.00	3164.31
MW-16R	157.456	1149.72	39.3946427	101.0588184	3165.15	3164.75
MW-17R	21.12	1064.83	39.3942658	101.0585237	3164.55	3164.16
MW-18R	172.084	105388	39.3946798	101.0584788	3164.87	3164.45
MW-19R	202.526	1138.74	39.3947661	101.0587776	3165.34	3165.05
MW-20R	67.06	1151.91	39.3943947	101.0588298	3164.61	3164.16
MW-21	-109.27	1079.71	39.3939084	101.0585817	3163.04	3162.41

NAD 83

(per surveyor via driller)



LEGEND	
⊕	= MONITORING WELL
☆	= ABANDONED MONITORING WELL

**FIGURE A**

DATE: 08-24-11

SCALE: AS SHOWN

PROJECT NO: 08-01-11

DRAWN BY: JAR/DS

CHECKED BY: JAR/DS

**COLBY PUBLIC POWER**

**SITE PLAN**

120 NORTH STERLING, COLBY, KS A6-097-40187

**MILCO**

Environmental Services, Inc.

1200 N. 10th St. Suite 200

Lawrence, KS 66044-1596

Phone: 785.842.1234

Fax: 785.842.1235