

**WATER WELL RECORD Form WWC-5**

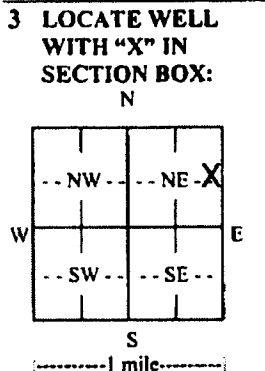
Division of Water Resources App. No.

Well ID MW-11

Original Record  Correction  Change in Well Use

<b>1 LOCATION OF WATER WELL:</b> County: <b>Morton</b>	Fraction SE ¼ NE ¼ SE ¼ NE ¼	Section Number <b>2</b>	Township Number <b>T 34 S</b>	Range Number <b>R 40</b> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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<b>2 WELL OWNER:</b> Last Name: <b>Elkhart Coop</b> Business: <b>Elkhart Coop</b> Address: <b>P.O. Box 210</b> Address: City: <b>Elkhart</b> State: <b>KS</b> ZIP: <b>67950</b>	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: <input type="checkbox"/> <b>Approx. 40' N of Hwy 56 on the E side of Hwy 51, Rolla</b>
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**4 DEPTH OF COMPLETED WELL:** ..... **141** ..... ft.

Depth(s) Groundwater Encountered: 1) ..... ft.  
2) ..... ft. 3) ..... ft., or 4)  Dry Well

WELL'S STATIC WATER LEVEL: ..... **115.20** ..... ft.  
 below land surface, measured on (mo-day-yr) **11-29-16**  
 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: ..... **8.5** ..... in. to ..... ft. and  
..... in. to ..... ft.

**5 Latitude:** ..... **37.1223862N** ..... (decimal degrees)  
**Longitude:** ..... **101.6279027W** ..... (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:** ..... **3310.59** ..... 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	5. <input type="checkbox"/> Public Water Supply: well ID .....	10. <input type="checkbox"/> Oil Field Water Supply: lease .....
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells? .....	11. Test Hole: well ID .....
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID .....	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID <b>MW-11</b> .....	12. Geothermal: how many bores? .....
	9. Environmental Remediation: well ID .....	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> 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 ..... **4** ..... in. to ..... **111** ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.

Casing height above land surface ..... **-4.9** ..... in. Weight ..... lbs./ft. Wall thickness or gauge No. **Sch 40** .....

**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 **111** ..... ft. to **141** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**GRAVEL PACK INTERVALS:** From **107** ..... ft. to **141** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other **concrete 0-1ft** .....

Grout Intervals: From **1** ..... ft. to **107** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**Nearest source of possible contamination:**

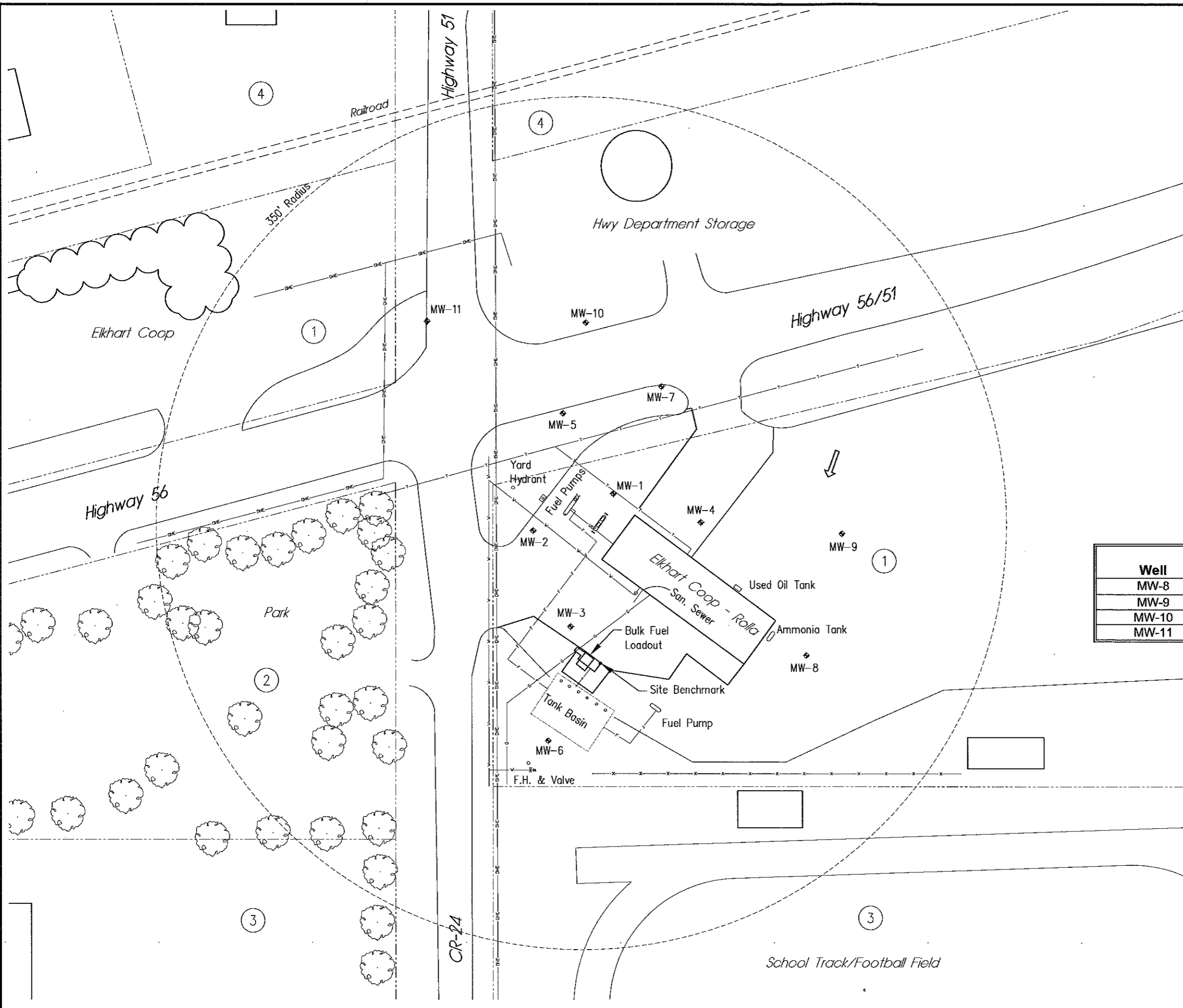
<input type="checkbox"/> Septic Tank	<input type="checkbox"/> Lateral Lines	<input type="checkbox"/> Pit Privy	<input type="checkbox"/> Livestock Pens	<input type="checkbox"/> Insecticide Storage
<input type="checkbox"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input checked="" type="checkbox"/> Fuel Storage	<input type="checkbox"/> Abandoned Water Well
<input type="checkbox"/> Watertight Sewer Lines	<input type="checkbox"/> Seepage Pit	<input type="checkbox"/> Feedyard	<input type="checkbox"/> Fertilizer Storage	<input type="checkbox"/> Oil Well/Gas Well
<input type="checkbox"/> Other (Specify) .....				

Direction from well? ..... Distance from well? ..... ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Grass			
0.5	19	Silt with clay			
19	42	Sand with clay			
42	72	Sand with clay and caliche			
72	131	Silty Clay and caliche with sand			
131	142	Sand with gravel and clay			
Notes:					

**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) **11-17-16** ..... 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) **12-20-16** ..... under the business name of **Woofter Pump & Well** ..... Signature: *[Signature]*

PLOTTED: 12/16/2016 8:12 AM SAVED: 12/16/2016 8:12 AM BRIGAN S. FOHRENBURCH G:\Projects\449\449-P1-01\USA 2nd Addendum 12-2016\Figure 2.1.dwg



**LEGEND**

- = MONITOR WELL
- = PRODUCT LINES
- = UNDERGROUND GAS
- = UNDERGROUND WATER
- = OVERHEAD ELECTRIC
- = SANITARY SEWER
- = FENCE
- = FORMER TANK BASIN
- = APPROXIMATE ROW LINES
- = GROUNDWATER FLOW DIRECTION

1. ELKHART COOPERATIVE EQUITY EXCHANGE
2. CITY OF ROLLA
3. SCHOOL DISTRICT #217 #5
4. SANTA FE RAILROAD PROPERTY TAX DEPT.

Site Benchmark  
 Conc. Nail in NE Corner  
 of Conc. Pad  
 Elev. 3310.216

NOTE:  
 PRODUCT, WATER AND SEWER LINES  
 WERE NOT MARKED ON SITE,  
 ESTIMATED LOCATIONS ARE PROVIDED.

Well	Latitude	Longitude
MW-8	37.1216347	101.6268294
MW-9	37.1219094	101.6267295
MW-10	37.1223841	101.6274551
MW-11	37.1223862	101.6279027

RECEIVED  
 JAN 03 2017  
 BUREAU OF WATER

N  
  
 0 40 80 160  
 SCALE IN FEET

REVISIONS	BY
<b>MILCO</b> <b>Environmental</b> <b>Services, Inc.</b> <small>Kearney, NE (308) 237-5923        McCook, NE (308) 345-4741</small>	
<b>ELKHART COOP - ROLLA</b> <b>SITE BASE MAP - 350' RADIUS</b> <b>HWY 56 &amp; 51/2699 - ROLLA, KANSAS U1-065-14375</b>	
This document and the ideas and designs incorporated herein, are the property of MILCO and are to be used in whole or in part, for any other project without the written authorization of MILCO.	
SCALE: AS SHOWN PROJECT NO. M449-P1-01 DATE: DECEMBER, 2016 FIELD BOOK M&A DWG NO. DRAWN BY: BSF SHEET APRVD BY:	
<b>FIGURE 2.1</b>	



# MILCO

**Environmental Services, Inc.**

320 West 4th Street  
Colby, KS 67701  
Tel: 785-460-1956  
Fax: 785-460-4220  
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December 28, 2016

Kansas Department of Health and Environment  
Bureau of Water, Geology Section  
1000 SW Jackson St, Ste 420  
Topeka, KS 66612-1367

Re: Elkhart Coop-Rolla, Rolla  
KDHE Project Code U1-065-14375  
MILCO Project No. M449-P1-01

To Bureau of Water, Geology Section:

Enclosed, please find 4 Form WWC-5s for wells MW-8, MW-9, MW-10, and MW-11 at the Elkhart Coop site in Rolla, Kansas along with payment of \$5.00 for each, totaling \$20.00. A map showing locations and latitude/longitude data for the 4 wells is included.

If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully submitted,  
**MILCO Environmental Services, Inc.**



Kathy Wheelbarger  
Office Assistant

Enclosures

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JAN 03 2017

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