

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID MW-10

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Morton	Fraction SW 1/4 NW 1/4 SW 1/4 NW 1/4	Section Number 1	Township Number T 34 S	Range Number R 40 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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2 WELL OWNER: Last Name: Eikhart Coop Business: Eikhart Coop Address: P.O. Box 210 City: Eikhart State: KS ZIP: 67950	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"/> Approx. 80' E of Hwy 51 on the N side of Hwy 56, Rolla
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3 LOCATE WELL WITH "X" IN SECTION BOX:

N

X - NW	NE		
SW	SE		

S

----- 1 mile -----

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: **115.80** 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: **37.1223841N** (decimal degrees)
Longitude: **101.6274551W** (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: **3311.08** 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. Irrigation 3. <input type="checkbox"/> Feedlot 4. <input type="checkbox"/> Industrial	5. <input type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
6. <input type="checkbox"/> Dewatering: how many wells?	7. <input type="checkbox"/> Aquifer Recharge: well ID	11. Test Hole: well ID
8. <input checked="" type="checkbox"/> Monitoring: well ID MW-10	9. Environmental Remediation: well ID	12. Geothermal: how many bores?
<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify):	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 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

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 **-2.6** 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

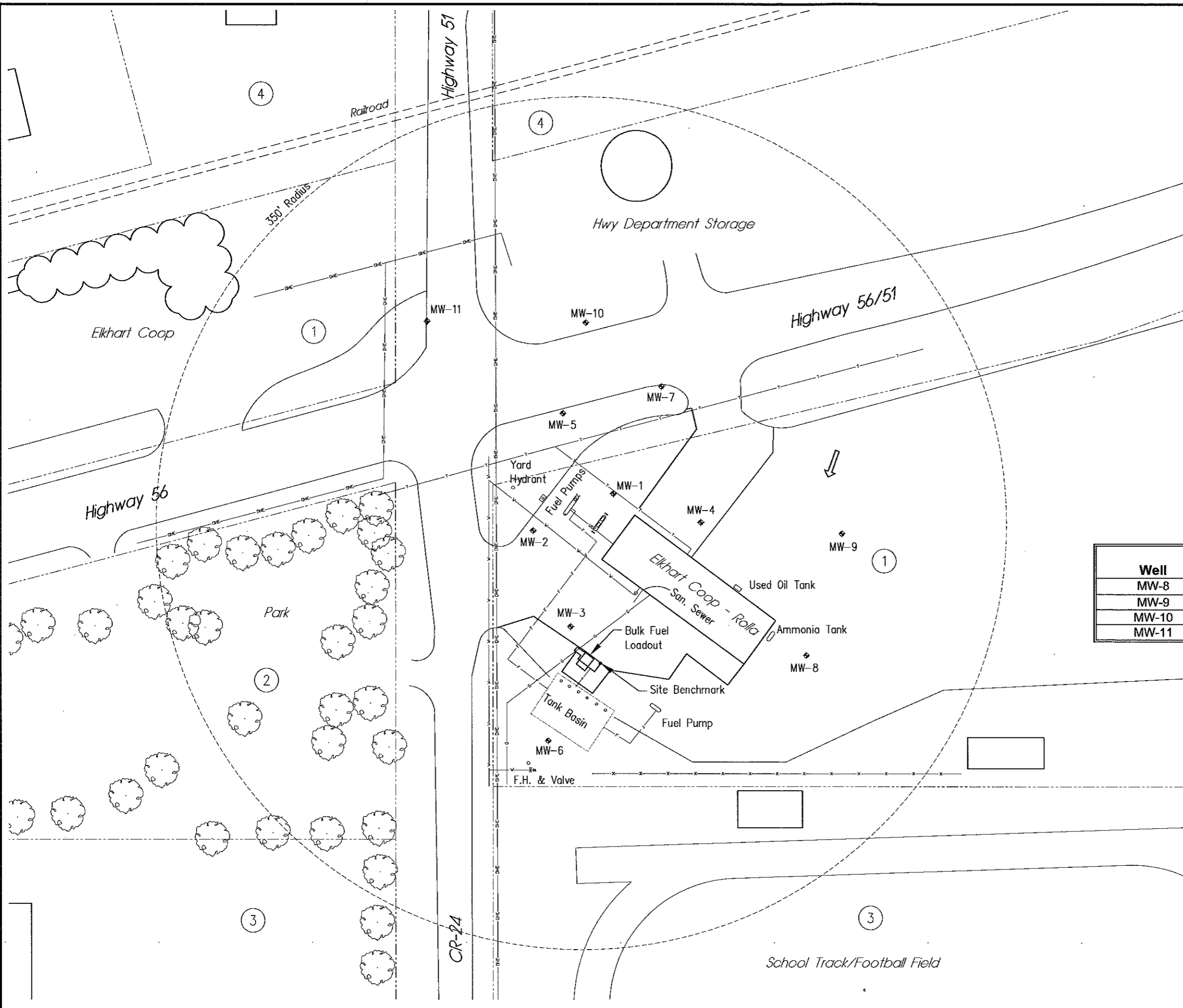
Other (Specify)

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	18	Silty Clay			
18	43	Sand with clay			
43	64	Sand with gravel, clay and caliche			
64	131	Silty Clay and caliche with sand and gravel			
131	142	Sand with clay and caliche			
					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 **Wootter Pump & Well** Signature *[Signature]*

PLOTTED: 12/16/2016 8:12 AM SAVED: 12/16/2016 8:12 AM BRIGAN S. Fahrenbruch 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

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 JAN 03 2017
 BUREAU OF WATER

0 40 80 160
 SCALE IN FEET

N

REVISIONS BY

MILCO Environmental Services, Inc.
 Kearney, NE (308) 237-5923
 McCook, NE (308) 345-4741

ELKHART COOP - ROLLA
SITE BASE MAP - 350' RADIUS
 HWY 56 & 51/2699 - ROLLA, KANSAS U1-065-14375

SCALE: AS SHOWN
 PROJECT NO. M449-P1-01
 DATE: DECEMBER, 2016
 FIELD BOOK M&A DWG NO.
 DRAWN BY: BSF
 SHEET

FIGURE 2.1

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MILCO

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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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