

**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

Division of Water Resources App. No.  

Well ID

**MW-7**

**1 LOCATION OF WATER WELL:** County: Stevens Fraction SW 1/4 SW 1/4 SW 1/4 SW 1/4 Section Number 15 Township Number T 33 S Range Number R 37  E  W

**2 WELL OWNER:** Last Name: Liberal First: State: KS ZIP: 67905  
 Business: Frontier Fuel 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: P.O. Box 148 600 E. 11th Street, Hugoton, KS 67951  
 Address: City: Liberal

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

N	
--NW--	--NE--
--SW--	--SE--
W	E
S	
-----1 mile-----	

**4 DEPTH OF COMPLETED WELL:** 150.5 ft.  
 Depth(s) Groundwater Encountered: 1) ..... ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
**WELL'S STATIC WATER LEVEL:** 117.26 ft.  
 below land surface, measured on (mo-day-yr) 3-9-17  
 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:** 37.1700638 (decimal degrees)  
**Longitude:** 101.3389300 (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:** 3108.84 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 <u>MW-7</u> 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 110.5 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface 4 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 110.5 ft. to 150.5 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From 105 ft. to 150.5 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

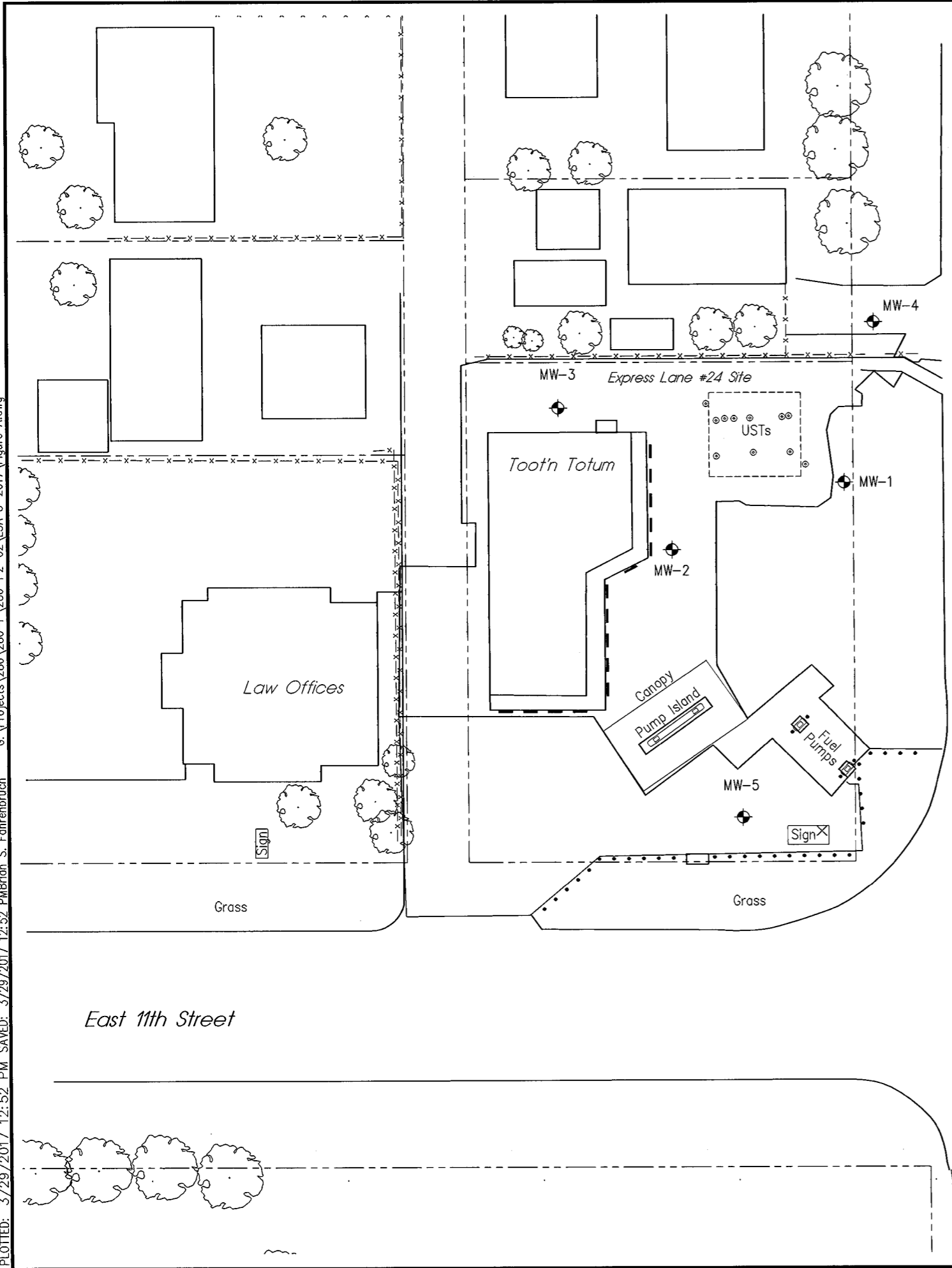
**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other concrete 0-1ft  
 Grout intervals: From 1 ft. to 105 ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**Nearest source of possible contamination:**  
 Septic Tank  Lateral Lines  Pit Privy  Livestock Pens  Insecticide Storage  
 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? NW Distance from well? 160 ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete			
0.5	22	Silt with clay and sand			
22	50	Sand with trace clay			
50	63	Sand with trace clay and caliche			
63	74	Sand with caliche and clay			
74	89	Sand, gravelly with clay and caliche			
89	152	Clay and caliche with sand			

Notes: Express Lane #24 site; KDHE project code: U1-095-14878

**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) 3-3-17, 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) ..... under the business name of Woffert Pump and Well. Signature: [Signature]

PLOTTED: 3/29/2017 12:52 PM. SAVED: 3/29/2017 12:52 PM. BRN. S. Fahrenbruch. G:\Projects\286-P\286-P2-02\SA 3-2017\Figure A.dwg



Rd. 13

S. Washington St.

**LEGEND**

- = MONITOR WELL
- = FENCE
- = TANK BASIN
- = APPROXIMATE ROW LINES

Well ID	Latitude	Longitude
MW-1	37.1703311	101.3392616
MW-2	37.1702707	101.3394528
MW-3	37.1703976	101.3395787
MW-4	37.1704750	101.3392284
MW-5	37.1700310	101.3393749
MW-6	37.1704407	101.3389304
MW-7	37.1700638	101.3389300

SCALE IN FEET

REVISIONS	BY

**MILCO**  
Environmental Services, Inc.  
Kearney, NE (808) 237-6923  
McCook, NE (808) 345-4741

**EXPRESS LANE #24**  
**SITE MAP**  
 520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878

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SCALE: AS SHOWN
PROJECT NO. M286-P2-02
DATE: MARCH, 2017
FIELD BOOK: M&A DWG NO.
DRAWN BY: BSF
APRVD BY: SHEET

**FIGURE A**