

**WATER WELL RECORD Form WWC-5**

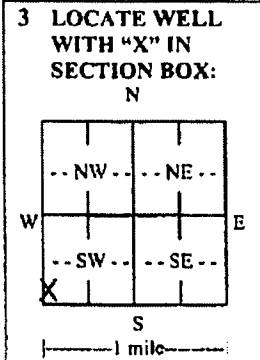
Original Record  Correction  Change in Well Use

Division of Water Resources App. No.  

Well ID MW-6

**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: Frontier Fuel First: Liberal 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 In ROW north of 600 E 11th, Hugoton, KS 67951  
 Address:    
 City: Liberal



**4 DEPTH OF COMPLETED WELL:** 151 ft.  
 Depth(s) Groundwater Encountered: 1)   ft.  
 2)   ft. 3)   ft., or 4)  Dry Well  
**WELL'S STATIC WATER LEVEL:** 118.09 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:** 37.1704407 (decimal degrees)  
**Longitude:** 101.3389304 (decimal degrees)  
 Horizontal Datum:  WGS 84  NAD 83  NAD 27  
 Source for Latitude/Longitude: EPOCH  
 GPS (unit make/model:  )  
 (WAAS enabled?  Yes  No)  
 Land Survey  Topographic Map  
 Online Mapper:    
**6 Elevation:** 3108.81 ft.  Ground Level  TOC  
 Source:  Land Survey  GPS  Topographic Map  
 Other  

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

1. Domestic:  Household  Lawn & Garden  Livestock  
 2.  Irrigation  
 3.  Feedlot  
 4.  Industrial  
 5.  Public Water Supply: well ID    
 6.  Dewatering: how many wells?    
 7.  Aquifer Recharge: well ID    
 8.  Monitoring: well ID MW-6  
 9. Environmental Remediation: well ID    
 Air Sparge  Soil Vapor Extraction  Recovery  Injection  
 10.  Oil Field Water Supply: lease    
 11. Test Hole: well ID    
 Cased  Uncased  Geotechnical  
 12. Geothermal: how many bores?    
 a) Closed Loop  Horizontal  Vertical  
 b) Open Loop  Surface Discharge  Inj. of Water  
 13.  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 110 ft., Diameter   in. to   ft., Diameter   in. to   ft.  
 Casing height above land surface 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 151 ft., From   ft. to   ft., From   ft. to   ft.  
**GRAVEL PACK INTERVALS:** From 108 ft. to 151 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 108 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? W Distance from well? 110 ft.

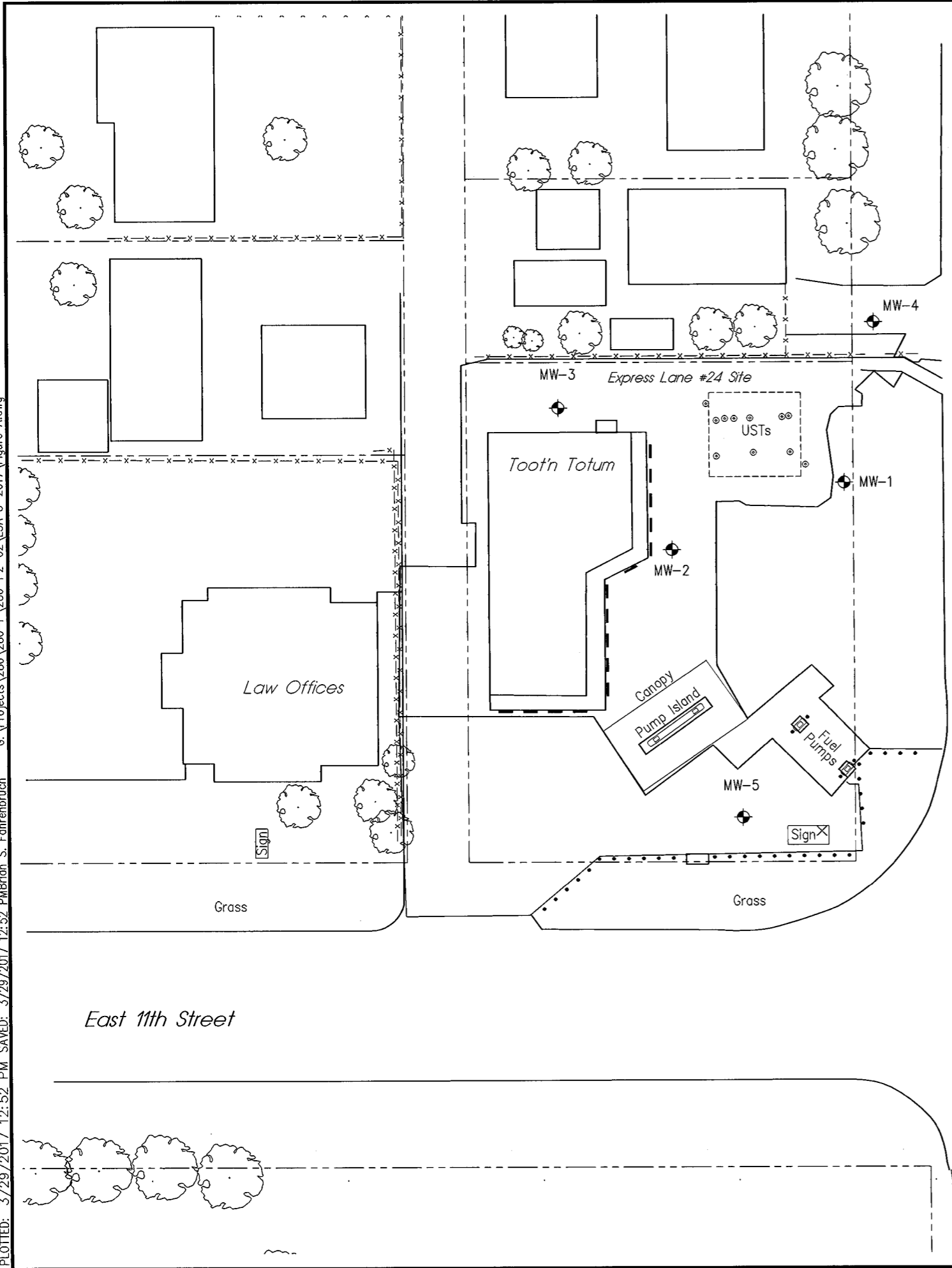
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	18	Silt with clay and sand			
18	49	Sand with trace clay			
49	63	Sand with clay and caliche			
63	70	Sand, gravelly			
70	89	Sand, gravelly with caliche and clay			
89	152	Clay and caliche with sand and gravel			

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 Wootter Pump and Well. Signature:  

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWTS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524. Visit us at <http://www.kdheks.gov/waterwell/index.html> KSA 82a-1212 Revised 7/10/2015

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
<b>MILCO</b> Environmental Services, Inc. <small>Kearney, NE (808) 237-6923          McCook, NE (808) 345-4741</small>	
<b>EXPRESS LANE #24</b> <b>SITE MAP</b> <b>520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878</b>	
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SCALE: AS SHOWN PROJECT NO. M286-P2-02 DATE: MARCH, 2017 FIELD BOOK: M&A DWG NO. DRAWN BY: BSF SHEET:	<b>FIGURE A</b>