

**WATER WELL RECORD Form WWC-5**

Original Record  Correction  Change in Well Use

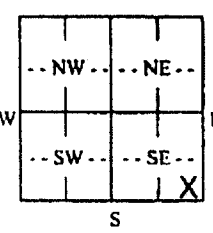
Division of Water Resources App. No.  

Well ID

MW-4

**1 LOCATION OF WATER WELL:**  
 County: Stevens      Fraction SE ¼ SE ¼ SE ¼ SE ¼      Section Number 16      Township Number T 33 S      Range Number R 37  E  W

**2 WELL OWNER:** Last Name: Frontier Fuel      First:        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:   
 Business: Frontier Fuel      Address: P.O. Box 148      In ROW east of 1017 S. Washington, Hugoton, KS 67951  
 Address:    
 City: Liberal      State: KS      ZIP: 67905

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

**4 DEPTH OF COMPLETED WELL:** 151.5 ft.  
 Depth(s) Groundwater Encountered: 1)   ft.  
 2)   ft. 3)   ft., or 4)  Dry Well  
 WELL'S STATIC WATER LEVEL: 117.68 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:** 37.1704750 (decimal degrees)  
**Longitude:** 101.3392284 (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:** 3108.55 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 <u> </u>	6. <input type="checkbox"/> Dewatering: how many wells? <u> </u>	7. <input type="checkbox"/> Aquifer Recharge: well ID <u> </u>	8. <input checked="" type="checkbox"/> Monitoring: well ID <u>MW-4</u>	9. Environmental Remediation: well ID <u> </u> <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 <u> </u>	11. Test Hole: well ID <u> </u> <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical	12. Geothermal: how many bores? <u> </u> 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): <u> </u>
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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 108 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 111.5 ft. to 151.5 ft., From   ft. to   ft., From   ft. to   ft.  
**GRAVEL PACK INTERVALS:** From 108 ft. to 151.5 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 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? SW      Distance from well? 40 ft.

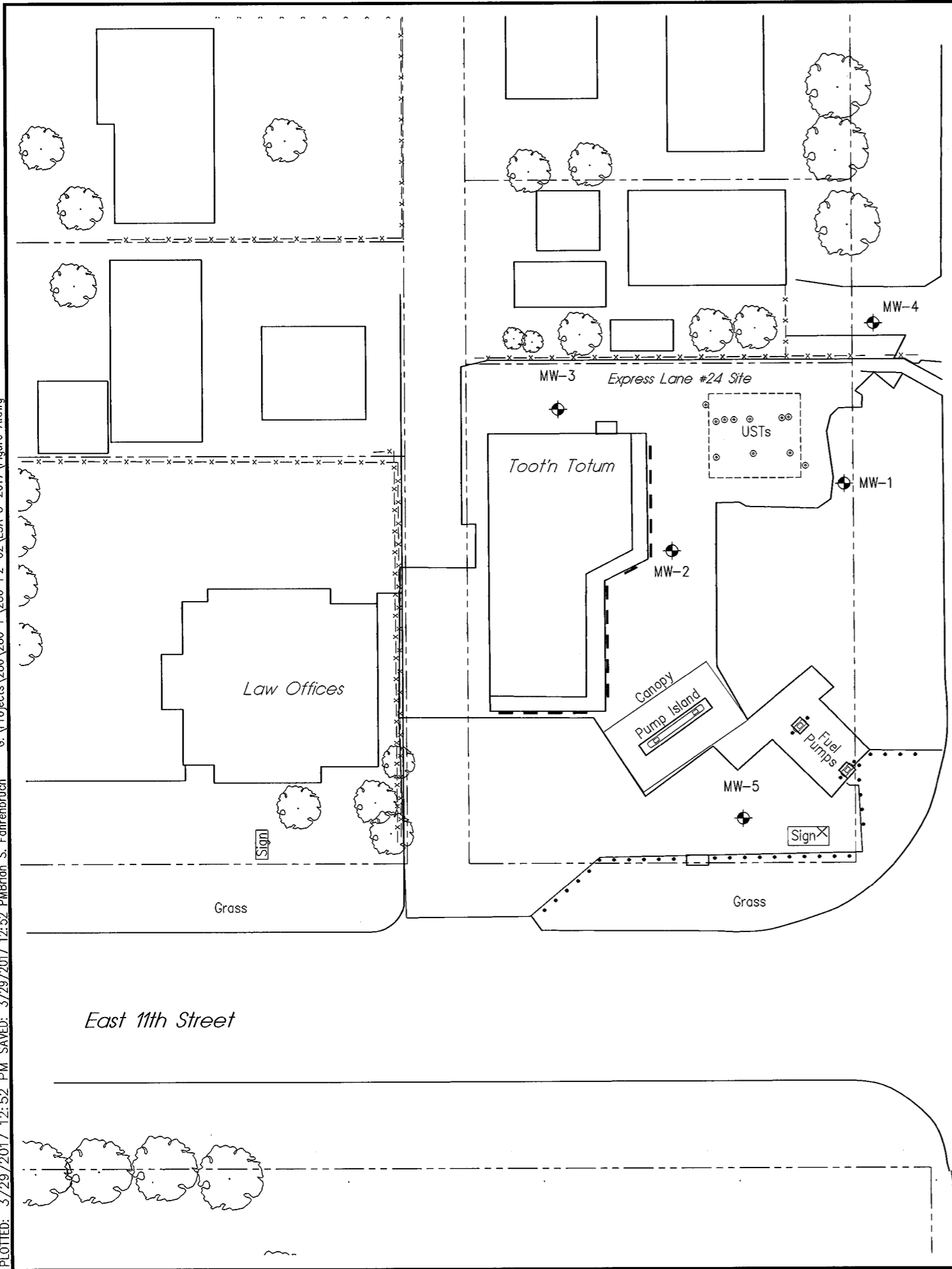
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Concrete with rebar			
0.5	20	Clayey Silt with sand			
20	50	Sand			
50	65	Sand with trace clay			
65	73	Sand with caliche and clay			
73	89	Sand with gravel, clay, caliche & pebbles			
89	152	Clay and caliche with sand			

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 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.

PLOTTED: 3/29/2017 12:52 PM. SAVED: 3/29/2017 12:52 PM. BRN. S. Fahrenbruch. G:\Projects\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

<p><b>EXPRESS LANE #24</b></p> <p><b>SITE MAP</b></p> <p>520 E. 11th STREET, HUGOTON, KANSAS - U1-095-14878</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY			
NO.	DATE	BY					
<p><b>MILCO</b> Environmental Services, Inc.</p> <p><small>Kearney, NE (808) 237-6923 McCook, NE (808) 345-4741</small></p>							
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<p>SCALE: AS SHOWN</p> <p>PROJECT NO. M286-P2-02</p> <p>DATE: MARCH, 2017</p> <p>FIELD BOOK: M&amp;A DWG NO.</p> <p>DRAWN BY: BSF      APRVD BY:</p> <p>SHEET</p> <p><b>FIGURE A</b></p>							