

**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>Seward</b>	Fraction <b>NE ¼ NE ¼ NE ¼ NE ¼</b>	Section Number <b>31</b>	Township Number <b>T 34 S</b>	Range Number <b>R 33</b> <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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<b>2 WELL OWNER:</b> Last Name: <b>Seward Co. Broadcasting</b> Business: <b>Seward Co. Broadcasting</b> Address: <b>1410 N. Western Ave</b> Address: City: <b>Liberal</b> State: <b>KS</b> ZIP: <b>67901</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 checked="" type="checkbox"/>
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**3 LOCATE WELL WITH "X" IN SECTION BOX:**

N

			<b>X</b>
-- NW --	-- NE --		
W			E
-- SW --	-- SE --		
	S		

|-----1 mile-----|

**4 DEPTH OF COMPLETED WELL:** ..... **194** ..... ft.  
 Depth(s) Groundwater Encountered: 1) ..... **179.87** ..... ft.  
 2) ..... ft. 3) ..... ft., or 4)  Dry Well  
**WELL'S STATIC WATER LEVEL:** ..... **9/6/18** ..... ft.  
 below land surface, measured on (mo-day-yr).....  
 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 **197** ft. and  
 ..... in. to ..... ft.

**5 Latitude:** ..... **37.05360** ..... (decimal degrees)  
**Longitude:** ..... **100.94083** ..... (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:** **2860.45** .....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 <b>MW-11</b> 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 **148** ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
 Casing height above land surface ..... **5** ..... in. Weight ..... lbs./ft. Wall thickness or gauge No. ....

**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 **154** ..... ft. to **194** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
**GRAVEL PACK INTERVALS:** From **148** ..... ft. to **194** ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**9 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
 Grout Intervals: From **0.5** ..... ft. to **154** ..... 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? ..... Distance from well? ..... ft.

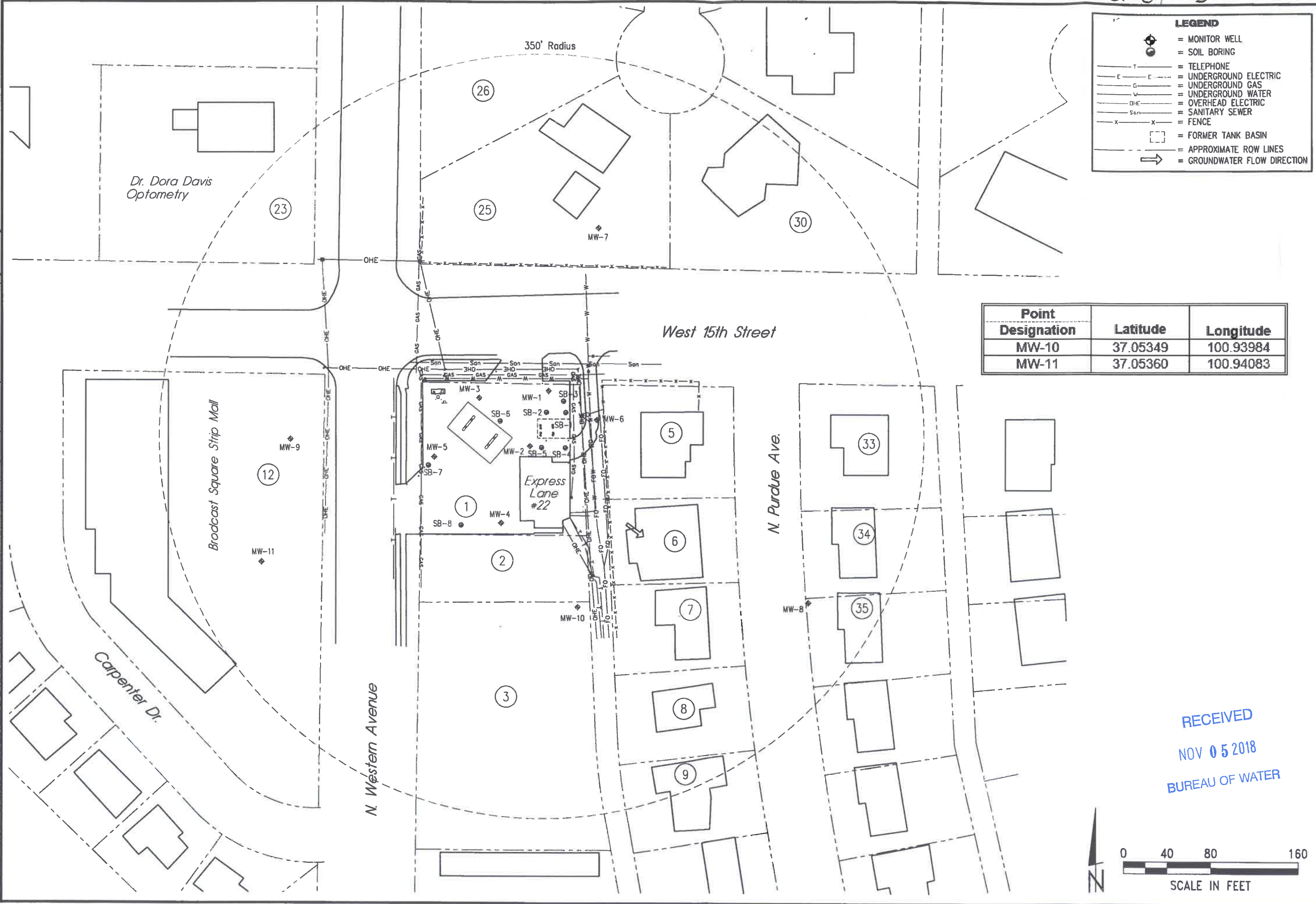
10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Asphalt			
0.5	23	Sandy clay with sand			
23	93	Clay and caliche w/sandy clay and sand			
93	101	Sandy clay with sand			
101	121	Clay and caliche with sand			
121	128	Gravelly sand with clay and sandy clay			
128	182	Clay and caliche with trace sand			<b>Notes:</b> Express Lane #22; KDHE Project Code: U1-088-14879
182	197	Sand with trace gravel			

**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) **8/31/18** ..... 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) **10/16/18** ..... under the business name of **Woofers Pump and Well** ..... Signature .....

Seward NE NE NE NE

31-34-33

PLOTTED: 10/16/2018 11:21 AM SAVED: 10/5/2018 8:29 AM Brian S. Fahrbruch G:\Projects\286\286-P2-01\USA Addendum 10-2018\Figure 2.1.dwg



**LEGEND**

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

Point Designation	Latitude	Longitude
MW-10	37.05349	100.93984
MW-11	37.05360	100.94083

REVISIONS	BY
<b>MILCO</b>	
<b>Environmental Services, Inc.</b>	
Kearney, NE (308) 237-5823 McCook, NE (308) 345-4741	
EXPRESS LANE #22	
<b>SITE BASE MAP - 350' RADIUS</b>	
1421 N. WESTERN AVENUE - LIBERAL, KANSAS U1-088-14879	

RECEIVED  
NOV 05 2018  
BUREAU OF WATER

SCALE: AS SHOWN  
PROJECT NO. M286-P2-01  
DATE: OCTOBER, 2018  
FIELD BOOK M&A DWG NO.  
DRAWN BY: BSF APRVD BY:  
SHEET

0 40 80 160  
SCALE IN FEET

FIGURE 2.1