

WATER WELL RECORD Form WWC-5

Division of Water Resources App. No.

Well ID MW-9

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL:
 County: **Seward** Fraction **NE 1/4 NE 1/4 NE 1/4 NE 1/4** Section Number **31** Township Number **T 34 S** Range Number **R 33** E W

2 WELL OWNER: Last Name: **Seward Co. Broadcasting** First: **Liberal** 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: **Seward Co. Broadcasting** Address: **1400 N. Western Ave**
 Address: **Liberal** State: **KS** ZIP: **67905**

3 LOCATE WELL WITH "X" IN SECTION BOX:

			X
.. NW NE ..		
W			E
.. SW SE ..		
	S		

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

4 DEPTH OF COMPLETED WELL: 195 ft.
 Depth(s) Groundwater Encountered: 1) 179.40 ft.
 2) ft. 3) ft., or 4) Dry Well
 WELL'S STATIC WATER LEVEL: 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: 37.053889 (decimal degrees)
Longitude: 100.940833 (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: **2860.84** 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 <input type="checkbox"/> Irrigation <input type="checkbox"/> Feedlot <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 MW-9 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 155 ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface 4 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 155 ft. to 195 ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From 152 ft. to 195 ft., From ft. to ft., From ft. to ft.

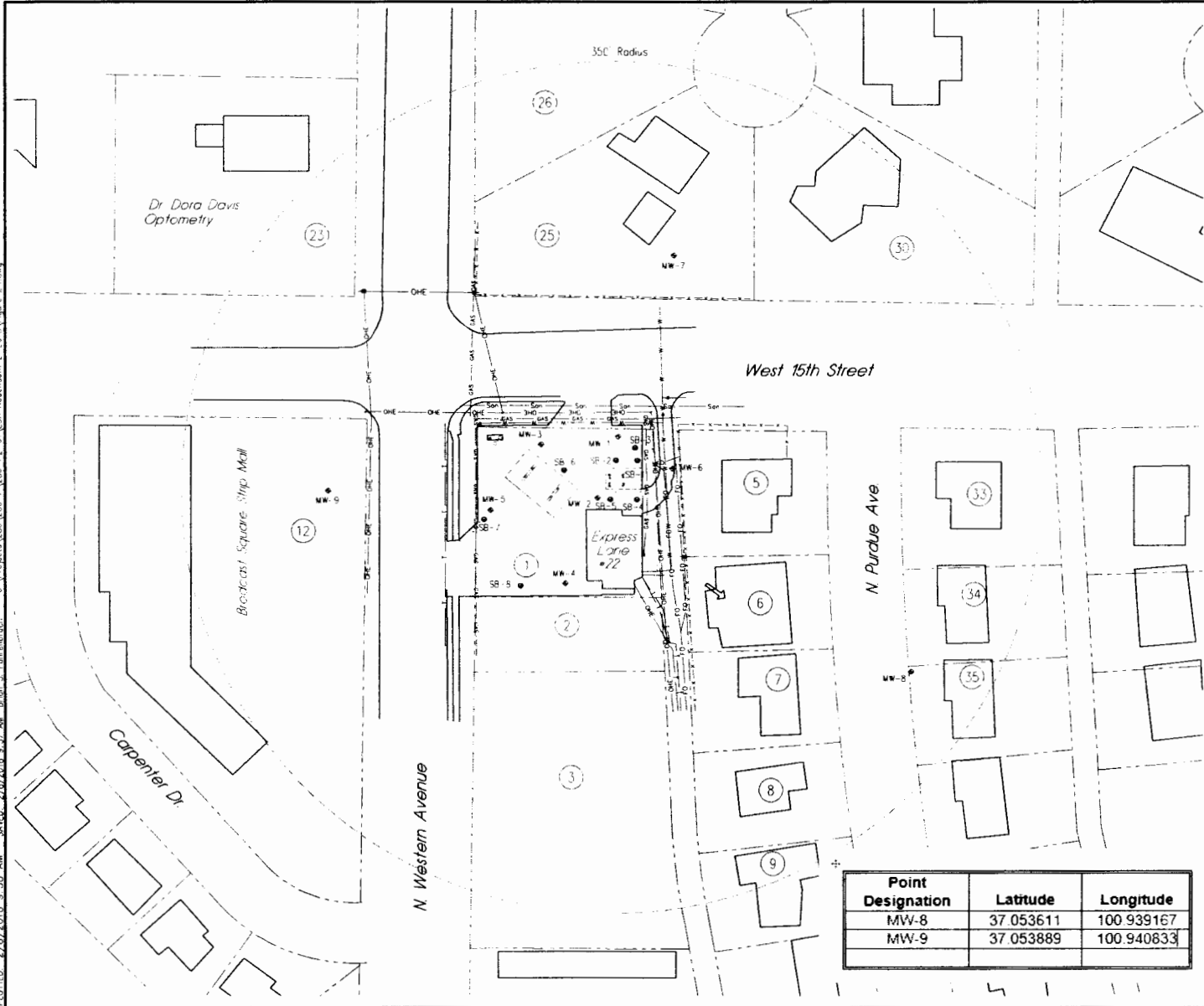
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other
 Grout Intervals: From 0.5 ft. to 152 ft., From ft. to ft., From ft. to ft.
Nearest source of possible contamination:
 Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage
 Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned 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	Concrete			
0.5	27	Silty Clay with sand			
27	45	Sand with sandy clay, trace caliche			
45	62	Clay and caliche with sand & sandy clay			
62	71	Sand, with caliche, sandy clay			
71	121	Clay and caliche with sandy clay, sand			
121	126	Sand with gravel, clay and caliche			Notes: Express Lane #22; KDHE Project Code: U1-088-14879
126	178	Caliche & clay with sandy clay			
178	197	Sand with clay and caliche			

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) **1/19/18** 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) **2/13/18** under the business name of **Woolter Pump and Well** Signature *[Signature]*

NE NE NE NE
 S31 T34 R33W

PLOTTED: 2/8/2018 9:38 AM, SAVED: 2/8/2018 9:37 AM, BROWN, S. LAURENBUCH, C:\PROJECTS\285\285_P\285_P\285_P\285_P\USA_Asdrcdm_2_2018\Figure 2.dwg



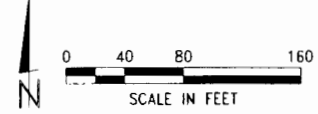
LEGEND

- = 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

PROPERTIES ARE RESIDENTIAL UNLESS OTHERWISE NOTED

- Property owners
1. JM-AM Properties LLC
 2. AM Rentals
 3. Brown, Courtney & Margaret Patricia
 4. Crawford, Jeffrey L. & Carol Diane
 5. Payton, Travis & Pamela G. - full
 6. Ray, JD & Loveta Jean
 7. King, Arny & Loretta
 8. Rolston, John A. & Karen L. - full
 9. Phelps, Mike Max & Ruth Louise
 10. Donovan, Kevin E. & Celeste M. - full
 11. Carrasco, Ricardo, Valverde, Diana Paola
 12. Seward County Broadcasting Co. inc.
 13. Coleman, Jay S., Stegman, Katie - full
 14. Finan, Tuan Anh, Le, Anh - partial
 15. Trevizo, Felipe & Lourdes - full
 16. Hopland, William F. & Kayla D. - partial
 17. Neuten, John J. & Sue E. - full
 18. Ruiz, Mercedes Ruiz - crawl space
 19. McClurg, Patrick L. & Kimberly D. - partial
 20. Dominguez, Rau & Luz Maria - full
 21. Burt, Duane - full
 22. BET Enterprises
 23. Davis, Dora & Ernest
 24. Southwest Rehabilitation
 25. Oreson, Todd - partial
 26. Andrews, Gary & Charla
 27. Herbol, Dix & Pense - full
 28. Doffer, Brandon - full
 29. Carline, Robert Todd, Corlie, Kelly S
 30. Francis, Carol F. - partial
 31. Farrar, Ryan R. & Norma I. - partial
 32. Carline, Donita Buchman - full
 33. Fox, Wanda - full
 34. Clossen, Alan L. & Charlene A. - full
 35. Norman, Jeremy & Elizabeth - full
 36. Odle, David E. & Lora A. - full
 37. Heide, Lavona, Sergio, Ruiz, Maria D. - partial
 38. Spikes, Leslie & Carey - full
 39. Tran, Cung Huu, Ly, Trang Ton Nguyen
 40. Fatmor, Isaac - full
 41. Contreras, Gilberto, Gomez, Paola - full
 42. Moreno, Nancy P. & Luis - full

Point Designation	Latitude	Longitude
MW-8	37.053611	100.939167
MW-9	37.053889	100.940833



REVISIONS

NO.	DATE	BY

MILCO
 Environmental
 Services, Inc.
 1421 N. WESTERN AVENUE - LIBERAL, KANSAS U1-088-14879
 Liberty, MO (308) 231-5823
 Mulvane, NE (308) 343-4141

EXPRESS LANE #22
SITE BASE MAP - 350' RADIUS
 1421 N. WESTERN AVENUE - LIBERAL, KANSAS U1-088-14879

SCALE: AS SHOWN
 PROJECT NO: MUNC-P2-01
 DATE: FEBRUARY, 2018
 FIELD BOOK: 144A DMC NO.
 DRAWN BY: CRV/SB
 SHEET: 1 OF 1
FIGURE 2.1