

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW8

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Wyandotte Fraction NW 1/4 NE 1/4 SW 1/4 Section Number 27 Township Number T 10 S Range Number R 25 E W
2 WELL OWNER: Last Name: 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: X
3 LOCATE WELL WITH "X" IN SECTION BOX: N NW NE SW SE S W E
4 DEPTH OF COMPLETED WELL: 35 ft Depth(s) Groundwater Encountered: 1) 27 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: NA ft.
5 Latitude: 39.14999 (decimal degrees) Longitude: -94.61702 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): (WAAS enabled? Yes No) X Land Survey Topographic Map Online Mapper
6 Elevation 747.33 ft Ground Level X TOC Source X Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1 Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2 Public Water Supply: well ID Dewatering: how many wells? 3 Aquifer Recharge: well ID 4 Monitoring: well ID MW8 5 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 6 Oil Field Water Supply: lease 7 Test Hole: well ID Cased Uncased Geotechnical 8 Geothermal: How many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes X No If yes, date sample was submitted: Water well disinfected? Yes X No

8 TYPE OF CASING USED: Steel X PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 20 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.28 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot X Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter K Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 20 ft. to 35 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 18 ft. to 35 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout X Bentonite X Other Concrete: 0-1' Grout intervals: From 1 ft. to 18 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 X 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? ~160 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS
0 0.3 Topsoil, grass
0.3 5 Lean clay
5 7 Silty lean clay
7 9 Silty fat clay
9 14 Silt
14 35 Sand, fine grained

Notes: KDHE ID: World Fuel Services; A4-105-40512 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of K DHE.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 6/19/23 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 757 This Water Well Record was completed on (mo-day-year) 7/27/23 under the business name of Larsen & Associates, Inc. Signature

July 26, 2023  
 Blackstone Environmental,  
 Inc. Theresa Ferguson  
 16200 Foster Street  
 Overland Park, KS 66085

T. 10 R.25E Sec.27  
 Wyandotte County

RE: Project No. A4-105-40512

Theresa,

The following is the information requested on a Monitoring Well Site, City of Kansas City, World Fuel Services, 401 Kindleberger Rd., Wyandotte County, Kansas.

Point	North Coord.	East Coord.	Dist. South of W/4 Cor.	Dist. East of W/4 Cor.	Elev. Top of Rim "V" cut East Side	Elev. Top of Casing Pipe	Latitude North	Longitude West
W/4 Cor.	5000	5000						
MW1	4760.30	6318.97	239.70	1318.97	748.30	747.99	39.14956	-94.61729
MW2	4662.95	6170.02	337.05	1170.02	748.04	747.77	39.14929	-94.61782
MW3	4814.90	6126.08	185.10	1126.08	747.29	747.00	39.1497	-94.61797
MW4	4763.71	6243.24	236.29	1243.24	748.27	747.93	39.14956	-94.61756
MW5	4718.62	6420.28	281.38	1420.28	747.76	747.26	39.14944	-94.61693
MW6	4834.26	6283.66	165.74	1283.66	749.08	748.80	39.14976	-94.61742
MW7	4837.29	6416.96	162.71	1416.96	747.36	746.94	39.14977	-94.61695
MW8	4917.45	6396.39	82.55	1396.39	747.61	747.33	39.14999	-94.61702
MW9	4646.44	6237.14	353.56	1237.14	748.36	747.88	39.14924	-94.61758

**Description:**

"V" cut on top of each rim on the east side of the valve box. Also, all measurement was made on the east side of the pvc casing pipe.

**Project information:** West ¼ Cor. Sec. 27, T10S,R25E was assumed coord at N-5000,E-5000

Field work was completed with an Emlid-ReachRS2+ ant. With an opus solution: 81% fixed AMB and overall RMS of 0.011m.

**Location of Monitoring Wells in the Public Land Survey System (PLSS):**

MW- 1,3,4,6 :NE1/4,NE1/4,NW1/4,SW1/4 Sec. 27, T10S, R25E

MW- 2,9 :SE1/4,NE ¼,NW1/4,SW1/4 Sec. 27, T10S, R25E

MW- 5,7,8 :NW1/4,NW ¼,NE1/4,SW1/4 Sec. 27, T10S, R25E

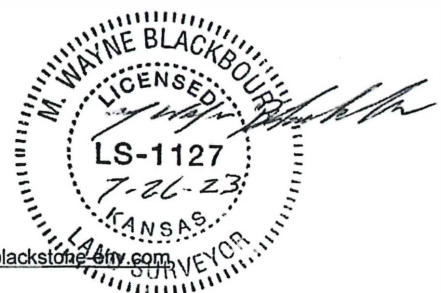
All field work was completed on July 19, 2023, under my direct supervision. If you have any questions, please contact me at your convenience.

Sincerely,



M. Wayne Blackbourn, PE,PS.  
 Senior Project Engineer

RECEIVED  
 JUL 31 2023  
 BUREAU OF WATER





Maxar, Microsoft, Esri, HERE, Garmin, iPC

- Site Boundary
- Parcel Boundary
- On Site Building
- Canopy & Dispensers
- AST
- DEF UST
- Power
- Sanitary Sewer
- Stormwater
- Product Lines
- Proposed Geotechnical Boring
- Proposed Soil Boring
- Proposed Monitoring Well
- Commercial/Industrial
- Groundwater Flow Direction

T. 10 R.25E Sec.27  
Wyandotte County



0 31.25 62.5 125 Feet

FIGURE 2.2	Project Mgr. TF	Date: 5/23/2023
	Designed By: MO	Rev.:
	Drawn By: MO	Rev.:
	Checked By: TF	Rev.:
	Job No.: 3397.01	Rev.:



SHEET NAME Detailed Site Map	PROJECT NAME World Fuel Services
PROJECT NAME LSA	KDHE PROJECT CODE A4-105-40512
PROJECT LOCATION 401 Kindeberger Road, Kansas City, KS	SCALE 1" = 125'