

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

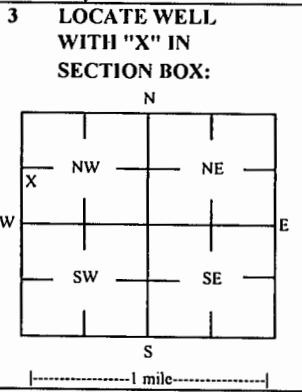
Well ID

MW15

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Douglas Fraction NW 1/4 NW 1/4 SW 1/4 NW 1/4 Section Number 36 Township Number T 12 S Range Number R 19 E W

2 WELL OWNER: Last Name: Business: Zarco Inc. Address: 718 E 1300 Rd City Lawrence State: KS ZIP: 66046 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 917 Highland Drive, Lawrence, KS



4 DEPTH OF COMPLETED WELL: 10.5 ft Depth(s) Groundwater Encountered: 1) 10.5 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 8.33 ft. below land surface, measured on (mo-day-yr) 10/8/18

5 Latitude: 38.96693 (decimal degrees) Longitude: 95.25963 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: ) (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper

6 Elevation 1024.02 ft Ground Level TOC Source 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 3 Dewatering: how many wells? 4 Aquifer Recharge: well ID 5 Monitoring: well ID MW15 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 7 Oil Field Water Supply: lease 8 Test Hole: well ID Cased Uncased Geotechnical 9 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 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 2 in. to 3 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.29 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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 3 ft. to 10.5 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 2 ft. to 10.5 ft, From ft. to ft, From ft. to ft,

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 2 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? ~115 ft Distance from well? SW ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS
0 0.5 Asphalt
0.5 7 Silty clay
7 9.5 Silty clay with broken limestone
9.5 10.5 Limestone

Notes: KDHE ID: Zarco 66 #3/First Fuel Bank #2; U4-023-13174 Target of monitoring well is shallow groundwater, <20' of grout was installed at the direction of KDHE.

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) 6/14/18 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) 11/21/18 under the business name of Larsen & Associates, Inc. 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, CWERS 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.

Douglas

NW NW SW NW

36-12-19

### DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-286-1990 Fax

Jessica Chapman  
Larsen & Associates  
1311 E. 25<sup>th</sup> Street, Suite B  
Lawrence, Kansas, 66046

June 29, 2018

RE: Monitor Well Elevation Survey  
900 Iowa Street, Lawrence, Kansas

Proj. 18-00S  
Zarco 66 #3/First Fuel Bank#2  
U4-023-13174

Bench Mark: Chisled Sq. on NE corner of storm inlet at NE corner of property.  
Elev: 1019.18      North 3748      West 5111      (from SE Cor. Sec. 36-12-19E)

MW-15	rim	1024.31	North	3582	NW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1024.02	West	5054	Lat= 38.96693 Long = 95.25963
MW-16	rim	1025.87	North	3501	NW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1025.60	East	5130	Lat= 38.96672 Long = 95.25992
MW-17	rim	1026.01	North	3487	NW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1025.78	West	5223	Lat= 38.96670 Long = 95.26025
MW-18	rim	1024.86	North	3497	NE1/4,NE1/4,SE1/4,NE1/4 (Sec. 35-12-19)
	top pipe	1024.46	East	5343	Lat= 38.96675 Long = 95.26067

RECEIVED  
DEC 11 2018  
BUREAU OF WATER

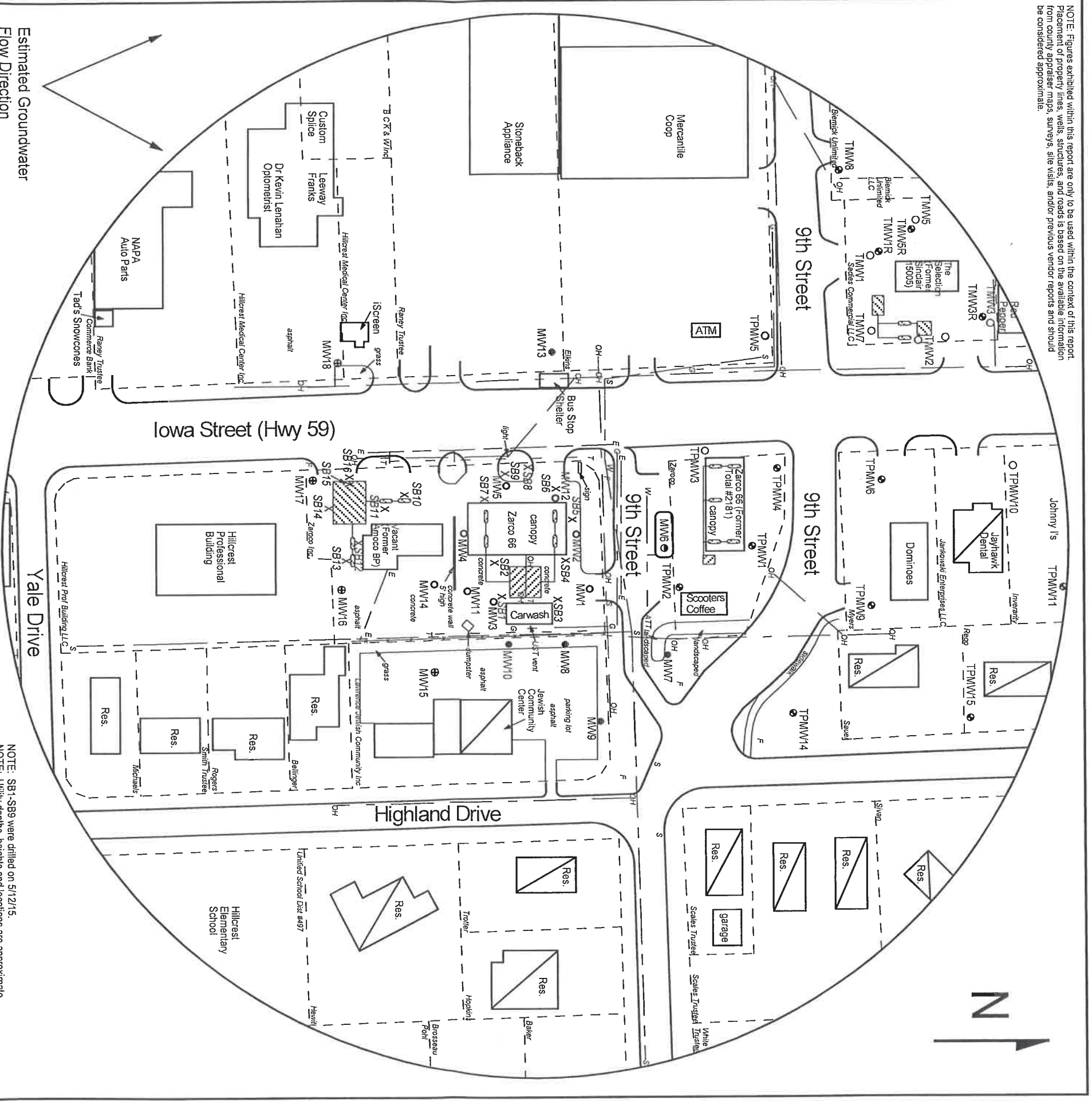
Lat & Long derived existing Lawrence East 7.5' quad map. WGS84

Elevation established from existing well project.


If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

June 29, 2018  
Dennis L Handke-RLS  
*Dennis L Handke*  
KANSAS  
LAW SURVEYOR

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.



**FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP**

  
**Larsen**  
 & ASSOCIATES, INC.

1311 E 25th St., Suite B      785-841-8707 office  
 Lawrence, KS 66046      785-865-4282 fax

**PROJECT:**  
 Zarco 66 #3/First Fuel Bank #2  
 900 Iowa  
 Lawrence, KS  
 KDHE ID: U4-023-13174  
 Date: 10/8/18

**LEGEND**

	Approximate Location of Active UST Basin,
	Product Lines & Pump Islands
	Approximate Location of Former UST Basin,
	Product Lines & Pump Islands
	Building with Basement
	Approximate Location of Property Line
	Plugged Monitoring Well
	Existing Monitoring Well
	Monitoring Well at Nearby LUST Sites
	Total Retail #2181 (U4-023-01573) & Sinclair #15005 (U4-023-10255)
	Soil Boring (Drilled 6/13/18)
	Fire Hydrant
	Electric Lines (1.5 - 3 ft bgs)
	Gas Lines (1.5 - 3 ft bgs)
	Overhead Lines (25'-40' high)
	Sewer Lines (2 - 6 ft bgs)
	Telephone Lines (2 - 6 ft bgs)
	Water Lines (2 - 6 ft bgs)

NOTE: SB1-SB9 were drilled on 5/12/15.  
 NOTE: Utility depths, heights and locations are approximate.

**RECEIVED**  
 DEC 11 2018  
 BUREAU OF WATER

NWNW5W NW  
 36-12-19

Douglas