

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

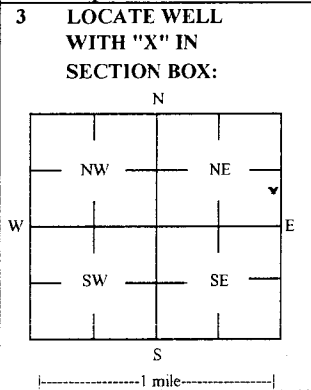
Well ID

MW21

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Johnson Fraction SE 1/4 NE 1/4 SE 1/4 NE 1/4 Section Number 30 Township Number T 12 S Range Number R 25 E W

2 WELL OWNER: Last Name: Business: Mac's 66, Inc. Address: 8139 Metcalf Ave. City: Overland Park State: KS ZIP: 66204 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 8101 Marty St, Overland Park, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 16.5 ft. Depth(s) Groundwater Encountered: 1) 16.5 ft. 2) 0 ft. or 3) 0 ft. or 4) 0 ft. Dry Well. WELL'S STATIC WATER LEVEL: Dry ft. X below land surface, measured on (mo-day-yr) 2/28/18. Pump test data: Well water was 0 ft after 0 hours pumping 0 gpm. Water well was 0 ft after 0 hours pumping 0 gpm. Estimated Yield: 0 gpm. Bore Hole Diameter: 7.25 in to 7.25 ft, and 7.25 in to 7.25 ft.

5 Latitude: 38.98089 (decimal degrees) Longitude: 94.66855 (decimal degrees) Horizontal Datum: 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 1070.96 ft Ground Level 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 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MW21 9 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 10 Oil Field Water Supply: lease 11 Test Hole: well ID Cased Uncased Geotechnical 12 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 X No If yes, date sample was submitted: Water well disinfected? Yes No X No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 6.5 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface -0.41 in. Weight lbs./ft. Well 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 X 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 6.5 ft. to 16.5 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 4 ft. to 16.5 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 4 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? SE Distance from well? ~390 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO LOG (cont.) or PLUGGING INTERVALS. Rows show depth intervals and lithology: 0-0.3 Topsoil, silty clay; 0.3-11 Silty clay; 11-16 Mudstone/shale; 16-16.5 Limestone.

Notes: KDHE ID: Mac's 66 Service; U4-046-12100 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 X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 2/15/18 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) 3/5/18 under the business name of Larsen & Associates, Inc. Signature

Johnson

SW NW 29-10-25E  
SE NE 30-10-25E

# DENNIS L HANDKE

1820 NW 59th Terrace  
TOPEKA, KANSAS 66618  
785-286-4047 Home  
785-217-5864 Cell

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

March 2, 2018

RE: Monitor Well Elevation Survey  
8139 Metcalf Ave, Overland Park, Kansas

Proj. 18-00E  
Mac's 66 Service  
U4-046-12100

Bench Mark: Chiseled Square on North center of Southeast concrete pump island.  
Elev: 1068.79      North 3404      West 5227      (from SE Cor. Sec. 29-12-25E)

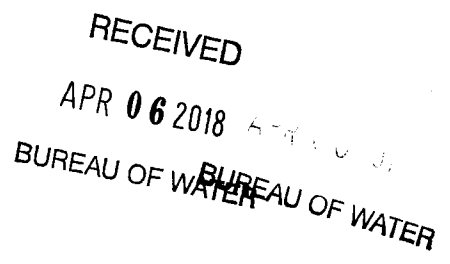
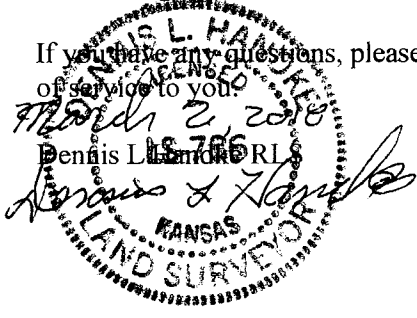
MW-17	rim	1047.68	North	3809	NW1/4,NW1/4,SW1/4,NW1/4
	top pipe	1047.29	West	5105	Lat= 38.98173 Long = 94.66699
MW-18	rim	1046.41	North	3823	NE1/4,NW1/4,SW1/4,NW1/4
	top pipe	1046.20	West	4819	Lat= 38.98177 Long = 94.66700
MW-19	rim	1026.64	North	3947	NW1/4,NE1/4,SW1/4,NW1/4
	top pipe	1026.37	West	4305	Lat= 38.98212 Long = 94.66419
MW-20	rim	1041.97	North	3519	SE1/4,NE1/4,SW1/4,NW1/4
	top pipe	1041.71	West	4301	Lat= 38.98094 Long = 94.66417
MW-21	rim	1071.37	North	3505	SE1/4,NE1/4,SE1/4,NE1/4 (Sec. 30-12-25E)
	top pipe	1070.96	West	5546	Lat= 38.98089 Long = 94.66855

Old bench mark destroyed.

Elevation derived from existing project.

Lat & Long derived from Lenexa 7.5 Quad Map


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



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:**

Mac's 66 Service  
 8139 Metcalf Ave  
 Overland Park, KS  
 KDHE ID: U4-046-12100  
 Date: 2/28/18

0      120 feet

**LEGEND:**

-  Approximate Location of Active UST Basins,
-  Product Lines and Pump Islands
-  Approximate Location of Former UST Basins, and Pump Islands
-  Approximate Location of Former Waste Oil UST
-  Building with Basement
-  Existing Monitoring Well
-  Monitoring Well (Installed 2/15/18)
-  Electric Meter
-  Fire Hydrant
-  Sewer Meter
-  Water Meter
-  Gas Lines (2 - 6 ft BGS)
-  Overhead Lines (25-40 ft high)

NOTE: Utility depths, heights, and locations are approximate.

RECEIVED  
 APR 06 2018  
 BUREAU OF WATER

Johnson

SW NW  
 29-12-25E  
 SE NE  
 30-12-25E