

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW11

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County McPherson Fraction NW 1/4 SE 1/4 SW 1/4 NW 1/4 Section Number 26 Township Number T 19 S Range Number R 3 E W

2 WELL OWNER: Last Name: Higgins First: Patrick 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: ~320 ft southwest of 2201 E Kansas Ave., McPherson, KS 67460

3 LOCATE WELL WITH "X" IN SECTION BOX: N NW NE SW SE S

4 DEPTH OF COMPLETED WELL: 65 ft Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) Dry Well WELLS STATIC WATER LEVEL: 49.70 ft

5 Latitude: 38.37055 (decimal degrees) Longitude: 97.62689 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): Land Survey Topographic Map Online Mapper

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 MW11 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 If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 45 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.33 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass X PVC Other (Specify) 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 45 ft. to 65 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 43 ft. to 65 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 43 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? Northeast Distance from well? ~380 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Topsoil: Silty clay, Silty clay, Silt, Fine to medium sand, Silty sand. Notes: KDHE ID: Midway Oil Co. (former); U5-059-14886

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) 2/19/18 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) 3/19/18 under the business name of Larsen & Associates, Inc. Signature

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.

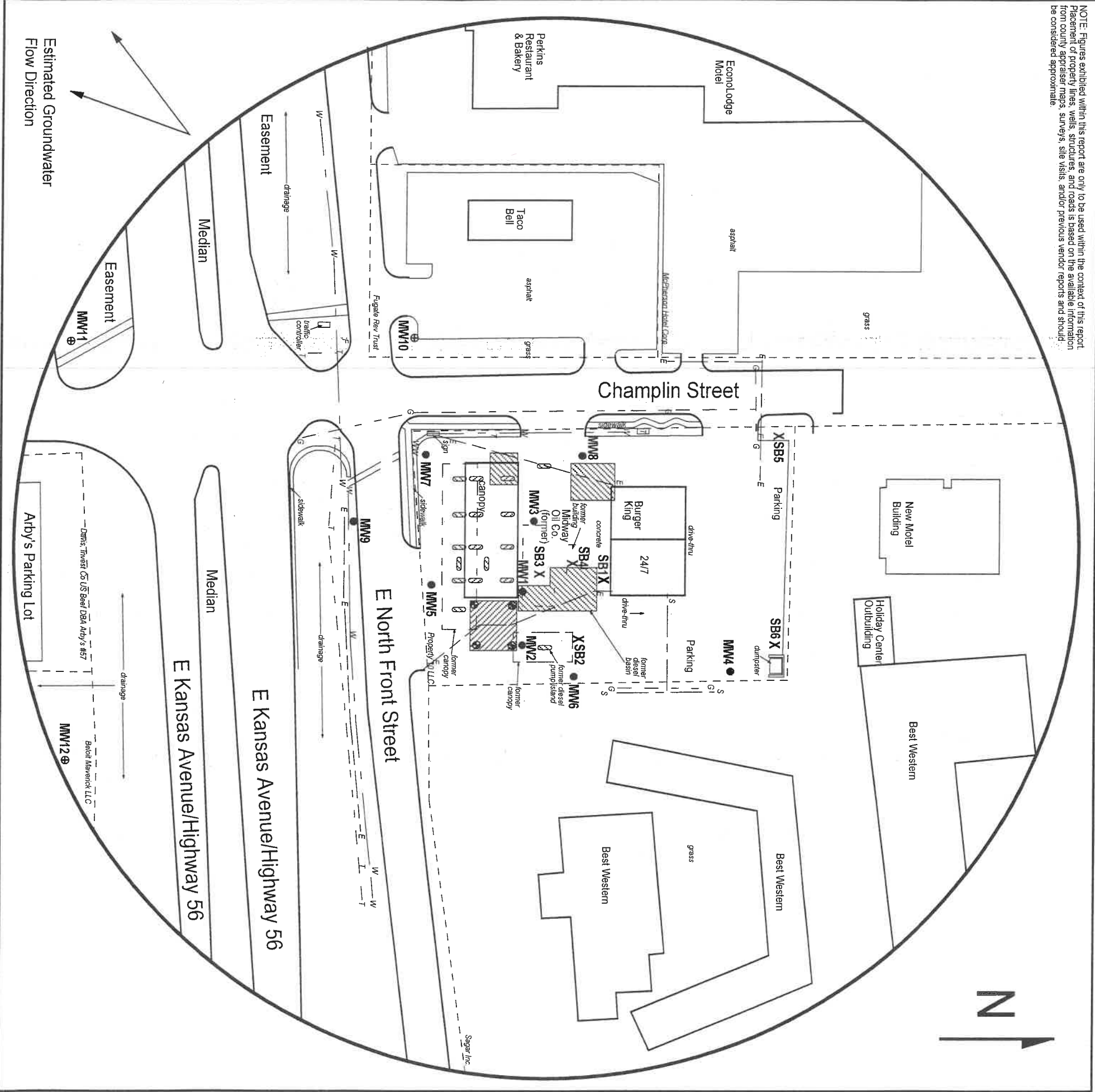


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP


  
**Larsen**
  
 & ASSOCIATES, INC.













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

**PROJECT:**

Midway Oil Co. (former)  
 2201 East Kansas Ave.  
 McPherson, KS  
 KDHE ID: U5-059-14886  
 Date: 2/20/18

0      100 feet

**LEGEND:**

-  Approximate Location of Former UST Basin, Product Line and Pump Islands
-  Approximate Location of Active UST Basin and Pump Islands
-  Approximate Location of Property Line
-  Existing Monitoring Well
-  Monitoring Well (Installed 2/9-10/18; 2/19/18)
-  Soil Boring (Drilled 8/9-11/17)
-  Fire Hydrant
-  Gas Lines (2 - 6 ft BGS)
-  Electric Lines (2 - 6 ft BGS)
-  Overhead Lines (25-40 ft high)
-  Telephone Lines (2 - 6 ft BGS)
-  Water Lines (2 - 6 ft BGS)

NOTE: Location of former and active product lines is unknown.  
NOTE: Utility depths, heights and locations are approximate.

26-19-3W

McPherson

McPherson

26-19-3W

# 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

March 16, 2018

RE: Monitor Well Elevation Survey  
2201 E. Kansas Ave., McPherson, Kansas

Proj. 18-00G  
Midway Oil Co. (formerly)  
U5-059-14886

Bench Mark: Chisled Sq. on sidewalk at the SE corner of the building.  
Elev: 1499.32      North 3457      West 4163      (from SE Cor. Sec. 26-19-3W)

|       |          |         |       |      |                               |
|-------|----------|---------|-------|------|-------------------------------|
| MW-10 | rim      | 1498.87 | North | 3284 | NW1/4,SE1/4,SW1/4,NW1/4       |
|       | top pipe | 1498.52 | West  | 4402 | Lat= 38.37127 Long = 97.62690 |
| MW-11 | rim      | 1500.46 | North | 3022 | NW1/4,SE1/4,SW1/4,NW1/4       |
|       | top pipe | 1500.13 | West  | 4400 | Lat= 38.37055 Long = 97.62689 |
| MW12  | rim      | 1502.42 | North | 3032 | NE1/4,SE1/4,SW1/4,NW1/4       |
|       | top pipe | 1502.17 | West  | 4043 | Lat= 38.37058 Long = 97.62565 |

Lat & Long derived existing McPherson South 7.5' quad map. WGS 84.

Elevation established from existing project

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

March 16, 2018  
 Dennis L Handke RLS  
 LS-786  
 KANSAS  
 LAND SURVEYOR