

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

Well ID

MW5

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Rice Fraction NE 1/4 SE 1/4 SW 1/4 Section Number 2 Township Number T 18 S R 10 E X W
2 WELL OWNER: Last Name: Business: M & J Sittner Rental, LLC Address: 570 3rd Rd. City Ellinwood State: KS ZIP: 67526
3 LOCATE WELL WITH 'X' IN SECTION BOX: [Diagram showing a 3x3 grid with 'X' in the center SE quadrant]
4 DEPTH OF COMPLETED WELL: 40 ft
5 Latitude: 38.51242 Longitude: 98.39751
6 Elevation 1763.53 ft

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 MW5
6 Environmental Remediation: well ID
7 Air Sparge, Soil Vapor Extractor, Recovery, Injection
8 Oil Field Water Supply: lease
9 Test Hole: well ID
10 Cased, Uncased, Geotechnical
11 Geothermal: How many bores?
12 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
Water well disinfected? Yes X No
If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel X PVC Other
Casing diameter 2 in. to 25 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, PVC, Other (Specify)
SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot, Mill Slot, Gauze Wrapped, Torch Cut, Drilled Holes, Other (Specify)
SCREEN-PERFORATED INTERVALS: From 25 ft. to 40 ft. From ft. to ft. From ft. to ft.
GRAVEL PACK INTERVALS: From 23 ft. to 40 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement, Cement grout, Bentonite X, Other Concrete: 0-0.7'
Grout intervals: From 0.7 ft. to 23 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? E Distance from well? ~180 ft

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows show soil layers: Topsoil, clayey silt, sand; Clayey silt; Sandstone.

Notes: KDHE ID: Thunderbird Center; U5-080-14817
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) 10/31/17 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) 11/30/17 under the business name of Larsen & Associates, Inc. Signature [Signature]

SMH CONSULTANTS

November 14, 2016

Larsen & Associates
 Jessica Chapman
 1311 East 25th Street, Suite B
 Lawrence, Kansas 66046
 Email: Jess@LarsenEnvironmental.com

RE: Project No. 1711MN1326

Dear Jessica:

The following is the information requested on a Monitoring Well Site, Thunderbird Center, 221 South Main, Bushton, Rice County, Kansas.

Point	North Coord.	East Coord.	Distance SE Cor. North	From S.02 West	Elev. Top Of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Corner S.02-T18S-R10W	20000	20000						
MW1	21939.74	17420.05	1939.74	2579.95	1765.45	1765.11	38.51247	98.39699
MW2	22004.74	17422.65	2004.74	2577.35	1766.05	1765.71	38.51264	98.39698
MW3	21920.50	17507.11	1920.50	2492.89	1765.77	1765.41	38.51242	98.39668
MW4	22063.68	17527.89	2063.68	2472.11	1767.22	1766.80	38.51281	98.39661
MW5	21922.53	17271.10	1922.53	2728.90	1763.81	1763.53	38.51242	98.39751
MW6	21799.13	17219.31	1799.13	2780.69	1763.49	1763.28	38.51208	98.39768
MW7	21677.07	17403.45	1677.07	2596.55	1764.49	1764.07	38.51174	98.39704
MW8	22054.64	17298.93	2054.64	2701.07	1765.46	1765.19	38.51278	98.39741
Site BM	21841.64	17319.21	1841.64	2680.79				

BM Elevation = 1765.58

BM Description: "M" in Mueller on top of fire hydrant at southwest corner of South Main Street and East Indiana Avenue.

MW1, MW3, MW7 are in the: NW¼ SW¼ NW¼ SE¼ S.02-T18S-R10W
 MW2, MW4 are in the: SW¼ NW¼ NW¼ SE¼ S.02-T18S-R10W
 MW5, MW6 are in the: NE¼ SE¼ NE¼ SW¼ S.02-T18S-R10W
 MW8 is in the: SE¼ NE¼ NE¼ SW¼ S.02-T18S-R10W

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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.

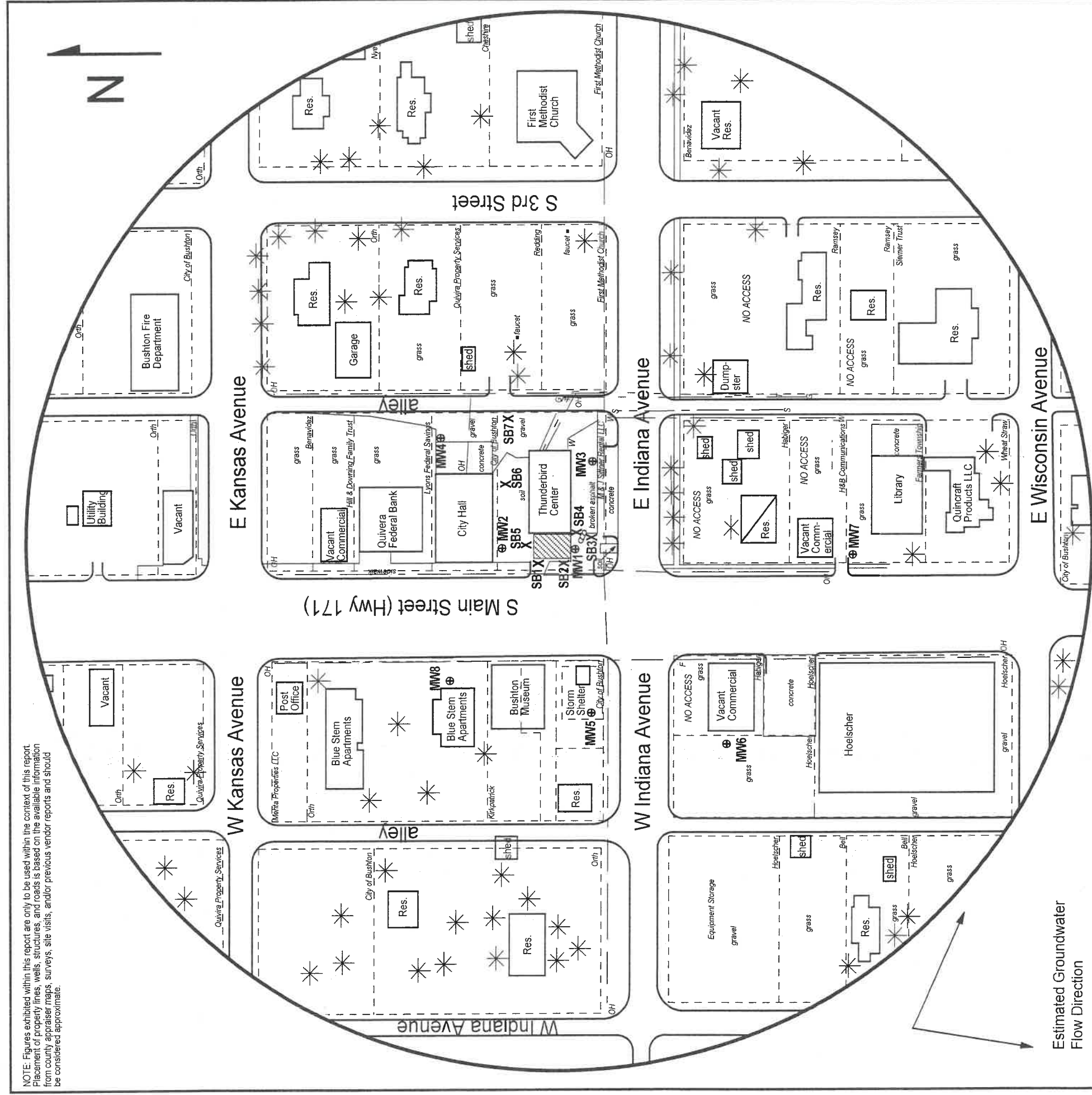


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

LEGEND:

- Approximate Location of Former UST Basin and Pump Island
- Approximate Location of Property Line
- Monitoring Well (Installed 10/24-26/17; 10/31/17)
- Soil Boring (Drilled 10/25/17; 10/30/17; 11/1/17)
- Gas Lines (2 - 6 ft BGS)
- Overhead Lines (25-40 ft high)
- Sewer Lines (2 - 6 ft BGS)
- Telephone Lines (2 - 6 ft BGS)
- Water Lines (2 - 6 ft BGS)

NOTE: SB6 and SB7 were drilled to collect hydrologic samples.
NOTE: Utility depths, heights and locations are approximate.
NOTE: Location of product lines is unknown.

PROJECT:

Thunderbird Center
221 South Main
Bushton, KS 67427
KDHE ID: U5-080-14817
Date: 11/1/17



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

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