

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

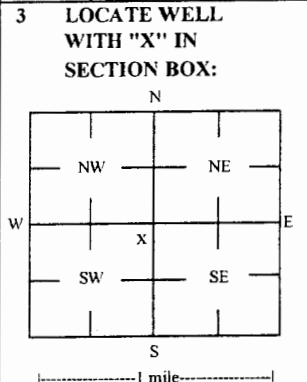
Well ID

MW8

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Rice Fraction SE 1/4 NE 1/4 NE 1/4 SW 1/4 Section Number 2 Township Number T 18 S Range Number R 10 E W

2 WELL OWNER: Last Name: Business: M & J Sittner Rental, LLC Address: 570 3rd Rd. City: Ellinwood State: KS ZIP: 67526 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): ~100' NW of 221 South Main, Bushton, KS



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 40 ft Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 26.98 ft. X below land surface, measured on (mo-day-yr) 11/1/2017

5 Latitude: 38.51278 (decimal degrees) Longitude: 98.39741 (decimal degrees) Horizontal Datum: WGS 84 X 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 1765.19 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 5 Public Water Supply: well ID 6 Dewatering: how many wells? 7 Aquifer Recharge: well ID 8 X Monitoring: well ID MW8 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 X Other CASING JOINTS: Glued Clamped Welded X Threaded Casing diameter 2 in. to 25 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.27 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 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 X 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 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? ~130 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Topsoil, clayey silt; 0.3-39 Clayey silt; 39-40 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

# SMH CONSULTANTS

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November 14, 2016

Larsen & Associates  
 Jessica Chapman  
 1311 East 25<sup>th</sup> 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				

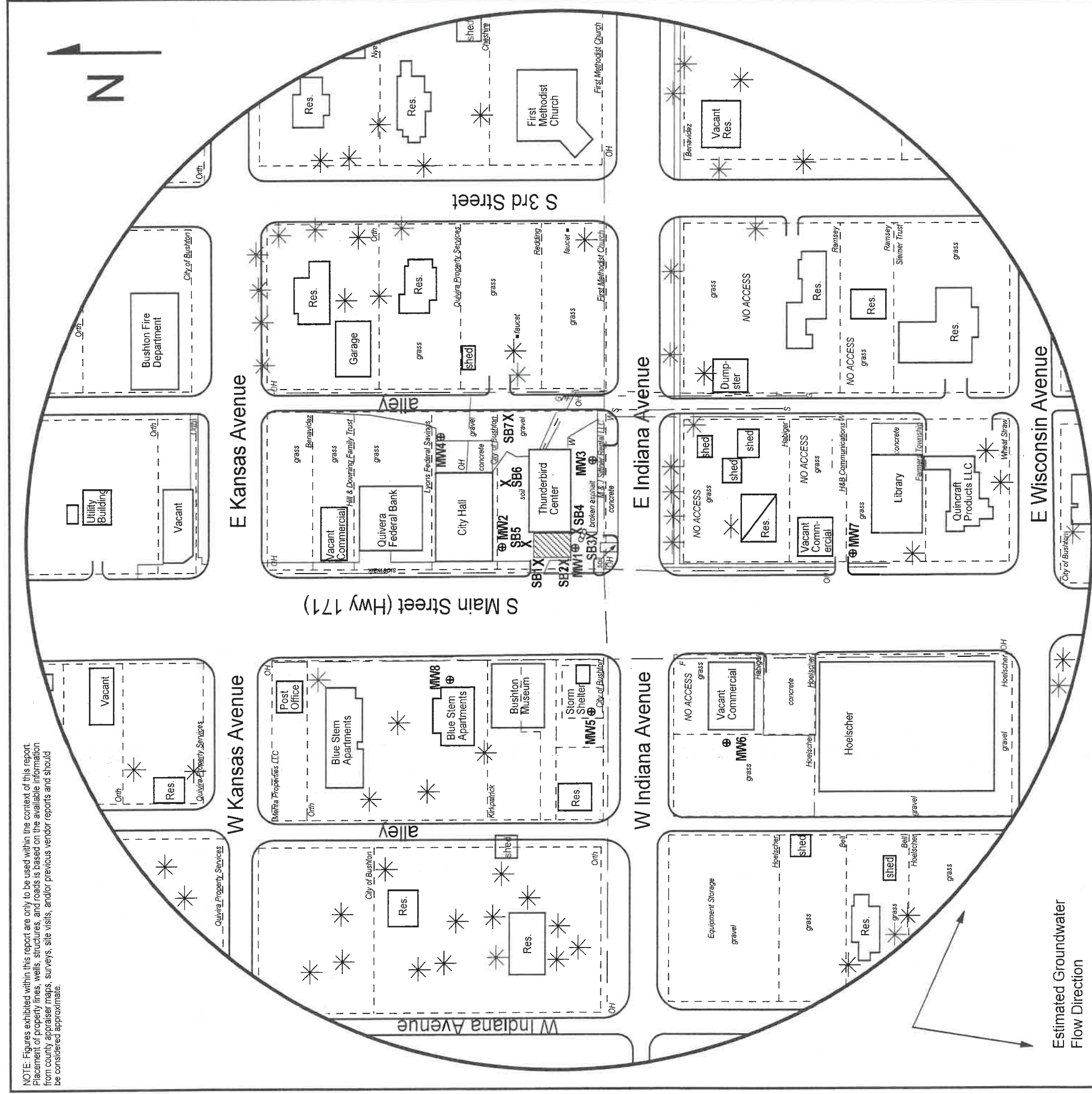
BM Elevation = 1765.58

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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**JAN 02 2018**  
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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)
- X Soil Boring (Drilled 10/25/17; 10/30/17; 11/1/17)
- G Gas Lines (2 - 6 ft BGS)
- OH Overhead Lines (25-40 ft high)
- S Sewer Lines (2 - 6 ft BGS)
- T Telephone Lines (2 - 6 ft BGS)
- W 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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