

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

[Empty box]

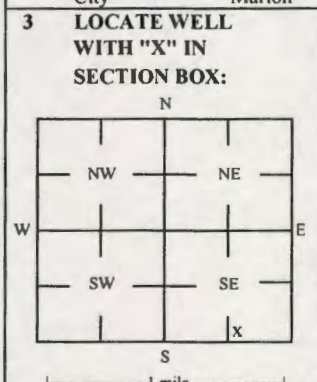
Well ID

MW1

[X] Original Record [ ] Correction [ ] Change in Well Ust

1 LOCATION OF WATER WELL: County Marion Fraction NW 1/4 SW 1/4 SE 1/4 SE 1/4 Section Number 31 Township Number T 19 S Range Number R 4 [X] E [ ] W

2 WELL OWNER: Last Name: Business: City of Marion Address: 208 E Santa Fe Address: City Marion State: KS ZIP: 66861 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 320 W Santa Fe, Marion, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S

4 DEPTH OF COMPLETED WELL: 25.5 ft Depth(s) Groundwater Encountered: 1) \_\_\_\_\_ ft 2) \_\_\_\_\_ ft 3) \_\_\_\_\_ ft, or 4) [ ] Dry Well WELL'S STATIC WATER LEVEL: 17.68 ft [X] below land surface, measured on (mo-day-yr) 8/18-19/22 [ ] above land surface, measured on (mo-day-yr) \_\_\_\_\_ Pump test data: Well water was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Water well was \_\_\_\_\_ ft after \_\_\_\_\_ hours pumping \_\_\_\_\_ gpm Estimated Yield: \_\_\_\_\_ gpm Bore Hole Diameter: 7.25 in to \_\_\_\_\_ ft, and \_\_\_\_\_ in to \_\_\_\_\_ ft

5 Latitude: 38.34951 (decimal degrees) Longitude: 97.02588 (decimal degrees) Horizontal Datum: [X] 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 1309.25 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

2 [ ] Public Water Supply: well ID \_\_\_\_\_

3 [ ] Dewatering: how many wells? \_\_\_\_\_

4 [ ] Aquifer Recharge: well ID \_\_\_\_\_

5 [X] Monitoring: well ID MW1

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 If yes, date sample was submitted: \_\_\_\_\_

Water well disinfected? [ ] Yes [X] No

8 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other \_\_\_\_\_ CASING JOINTS: [ ] Glued [ ] Clamped [ ] Welded [X] Threaded

Casing diameter 2 in. to 10.5 ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Diameter \_\_\_\_\_ in. to \_\_\_\_\_ ft, Casing height above land surface -0.49 in. Weight \_\_\_\_\_ lbs./ft. Well thickness or gauge No \_\_\_\_\_

TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [ ] Fiberglass [X] 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 10.5 ft. to 25.5 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, GRAVEL PACK INTERVALS: From 8.5 ft. to 25.5 ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft, From \_\_\_\_\_ ft. to \_\_\_\_\_ ft,

9 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [X] Other Concrete: 0-0.5'

Grout intervals: From 0.5 ft. to 8.5 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? \_\_\_\_\_ Distance from well? \_\_\_\_\_ ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	1	Gravel			
1	25.5	Clay			

Notes: KDHE ID: Former Power Plant; U5-057-15328 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) 8/17/22 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) 9/7/22 under the business name of Larsen & Associates, Inc. Signature \_\_\_\_\_

T195 R4E Sec. 31 Marion  
KSA 82a-1212

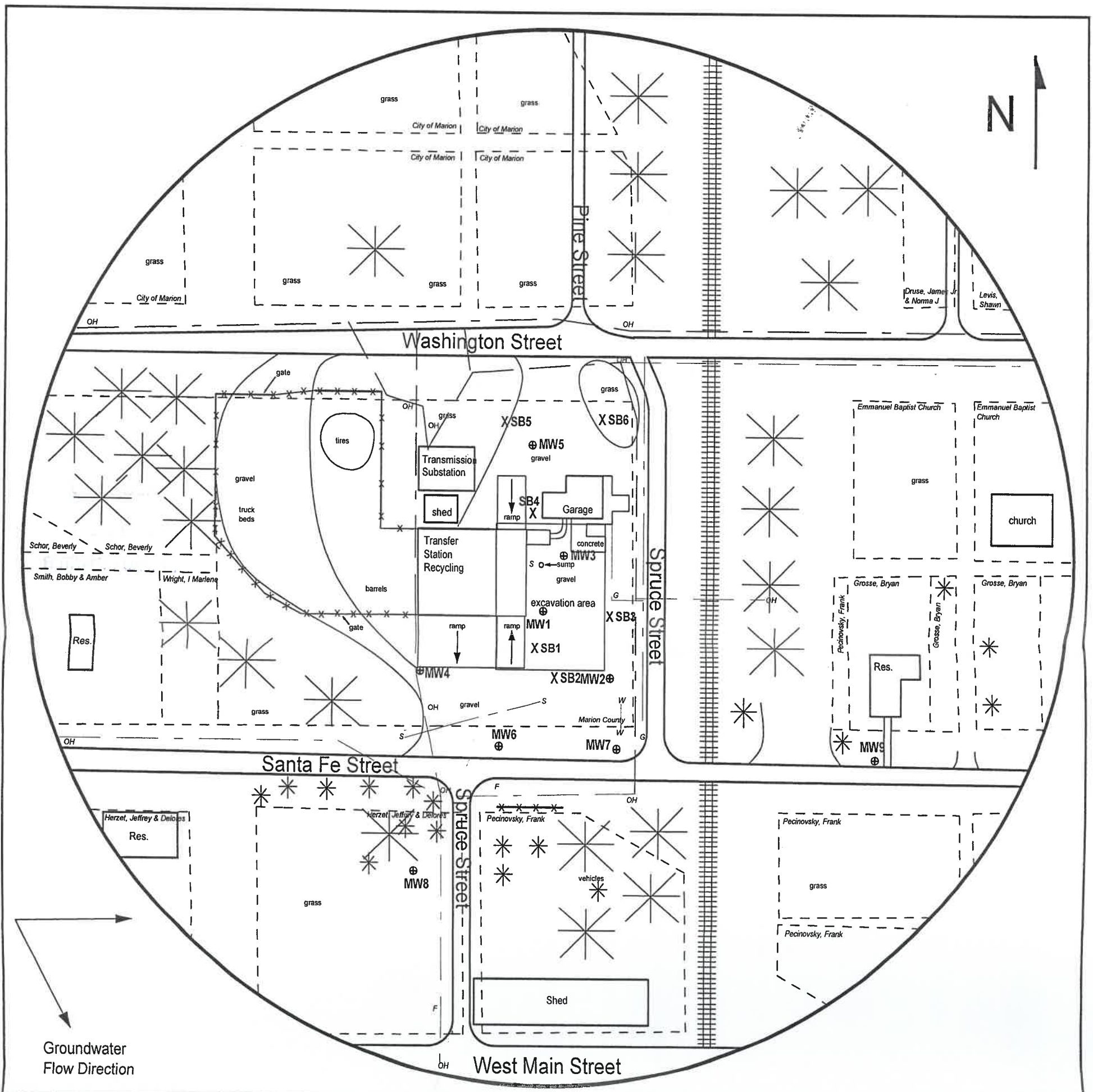


FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP



**PROJECT:**

Former Power Plant  
320 West Santa Fe  
Marion, KS  
KDHE ID: U5-057-15328  
Date: 8/18-19/22



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

**LEGEND:**

- ⊕ New Monitoring Well (Installed 8/15-18/22)
- X Soil Boring (Drilled 8/16-17/22)
- OH ——— Overhead Lines
- S ——— Sanitary Sewer (2 - 6 ft BGS)
- W ——— Water (2 - 6 ft BGS)
- G ——— Gas (2 - 6 ft BGS)

NOTE: SB5 & SB6 were drilled to collect hydrologic samples.  
NOTE: Utility depths and locations are approximate.

719 R4E Sec. 31  
KSA 82a-1212  
Marion

# DENNIS L HANDKE

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

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

September 1, 2022

RE: Monitor Well Elevation Survey  
320 West Santa Fe, Marion, Kansas

Proj. 22-00WW  
Former Power Plant  
US-057-15328

Bench Mark: Chisled Square on center of concrete floor of entrance to Northeast building on property.  
Elev: 1310.57      North 544.50      West 1080.76      (from SE Cor. Sec. 31-19-4E)

MW-1	rim	1309.74	North	460.45	NW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1309.25	West	1116.73	Lat= 38.34951 Long = 97.02588
MW-2	rim	1308.82	North	392.77	NW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1308.38	West	1062.76	Lat= 38.34932 Long = 97.02658
MW-3	rim	1310.12	North	511.38	NW1/4,SW1/4,SE1/4,SE/4
	top pipe	1309.55	West	1092.93	Lat= 38.34965 Long = 97.02580
MW-4	rim	1311.34	North	391.19	NW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1310.93	West	1237.35	Lat= 38.34931 Long = 97.02629
MW-5	rim	1309.23	North	618.81	NW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1308.66	West	1118.86	Lat= 38.34994 Long = 97.02589
MW-6	rim	1309.67	North	324.42	SW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1309.33	West	1155.94	Lat= 38.34913 Long = 97.02601
MW-7	rim	1309.42	North	321.08	SW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1309.03	West	1054.76	Lat= 38.34913 Long = 97.02565
MW-8	rim	1308.68	North	209.33	SW1/4,SW1/4,SE1/4,SE1/4
	top pipe	1308.22	West	1241.66	Lat= 38.34881 Long = 97.02630
MW-9	rim	1307.11	North	313.77	SE1/4,SW1/4,SE1/4,SE1/4
	top pipe	1306.72	West	799.70	Lat= 38.34912 Long = 97.02476

Lat & Long derived from Marion 7.5' quad map. WGS 84.

Elevation established from NGS BM D 50. NAVD 88.

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

