

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

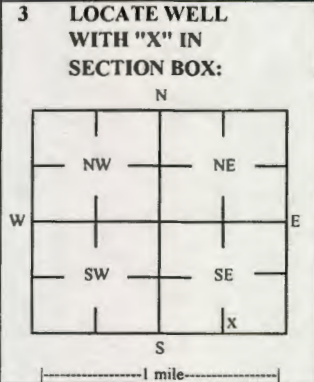
Well ID

MW2

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 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: 4 DEPTH OF COMPLETED WELL: 25.5 ft Depth(s) Groundwater Encountered: 1) 2) 3) 4) Dry Well WELL'S STATIC WATER LEVEL: 16.98 ft. X below land surface, measured on (mo-day-yr) 8/18-19/22

5 Latitude: 38.34932 (decimal degrees) Longitude: 97.02658 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model) Land Survey X Topographic Map Online Mapper 6 Elevation 1308.38 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 Monitoring: well ID MW2 6 Environmental Remediation: well ID Air Sparge Soil Vapor Extractor Recovery Injection 7 Oil Field Water Supply: lease 8 Test Hole: well ID Cased Uncased Geotechnical 9 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 10.5 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface -0.44 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

Table with columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-1 Gravel, 1-16 Clay, 16-22 Clay with silt, 22-25.5 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

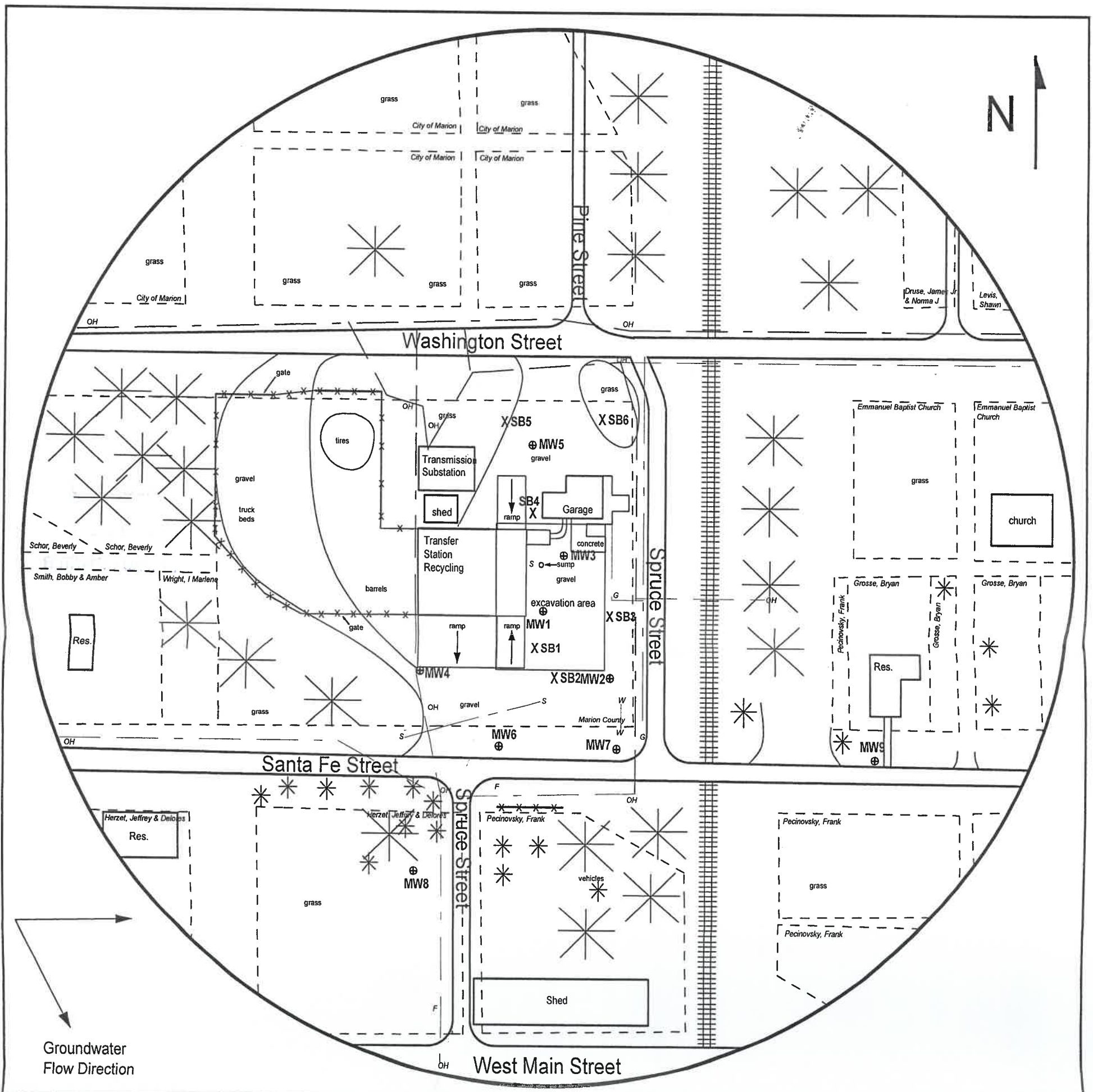


FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP



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. 25th 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 of service to you.

