

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

[]

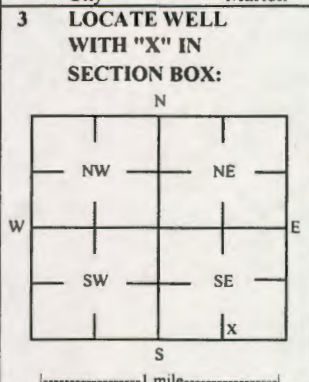
Well ID

MW5

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

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: First: 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 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) _____ ft 2) _____ ft - 3) _____ ft, or 4) [] Dry Well WELL'S STATIC WATER LEVEL: 17.08 ft [X] below land surface, measured on (mo-day-yr) 8/18-19/22 [] above land surface, measured on (mo-day-yr) _____

5 Latitude: 38.34994 (decimal degrees) Longitude: 97.02589 (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 1308.66 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 2 [] Irrigation 3 [] Feedlot 4 [] Industrial 5 [] Public Water Supply: well ID _____ 6 [] Dewatering: how many wells? _____ 7 [] Aquifer Recharge: well ID _____ 8 [X] Monitoring: well ID MW5 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 [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 -0.57 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 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Backfill, clay with large rocks; Sand; Clay; Clayey silt.

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) 8/16/22 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

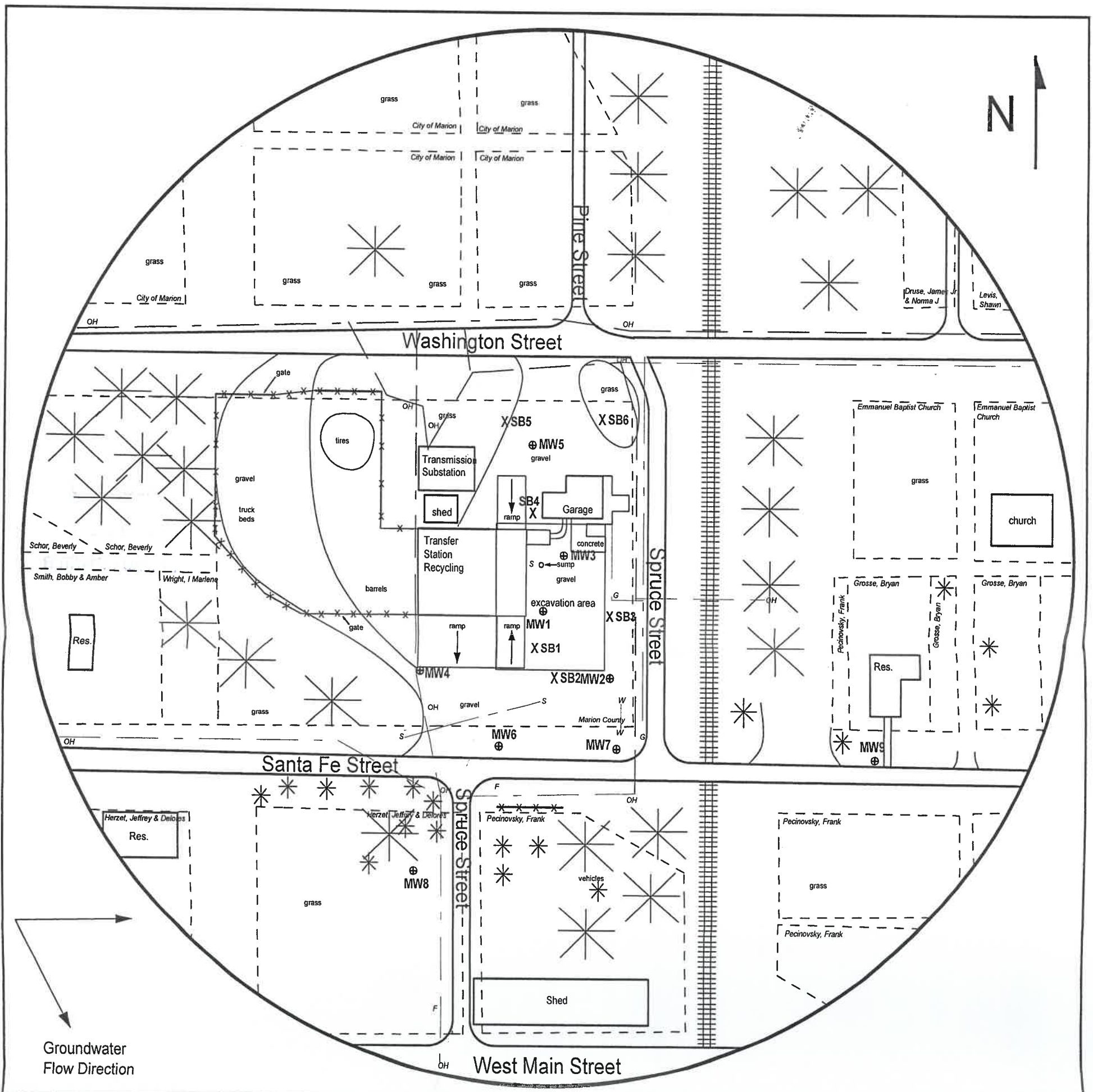


FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP



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

