

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

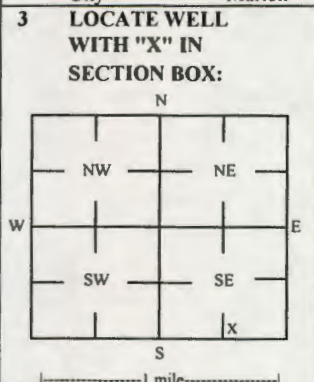
Well ID

MW9

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Marion Fraction SE 1/4 SW 1/4 SE 1/4 Section Number 31 Township Number T 19 S Range Number R 4 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: ~225' E of 320 W Santa Fe, Marion, KS



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: 16.07 ft

5 Latitude: 38.34912 (decimal degrees) Longitude: 97.02476 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: X Land Survey Topographic Map Online Mapper

6 Elevation 1306.72 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 MW9 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 -0.39 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

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Organic topsoil			
0.5	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) 8/18/22 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

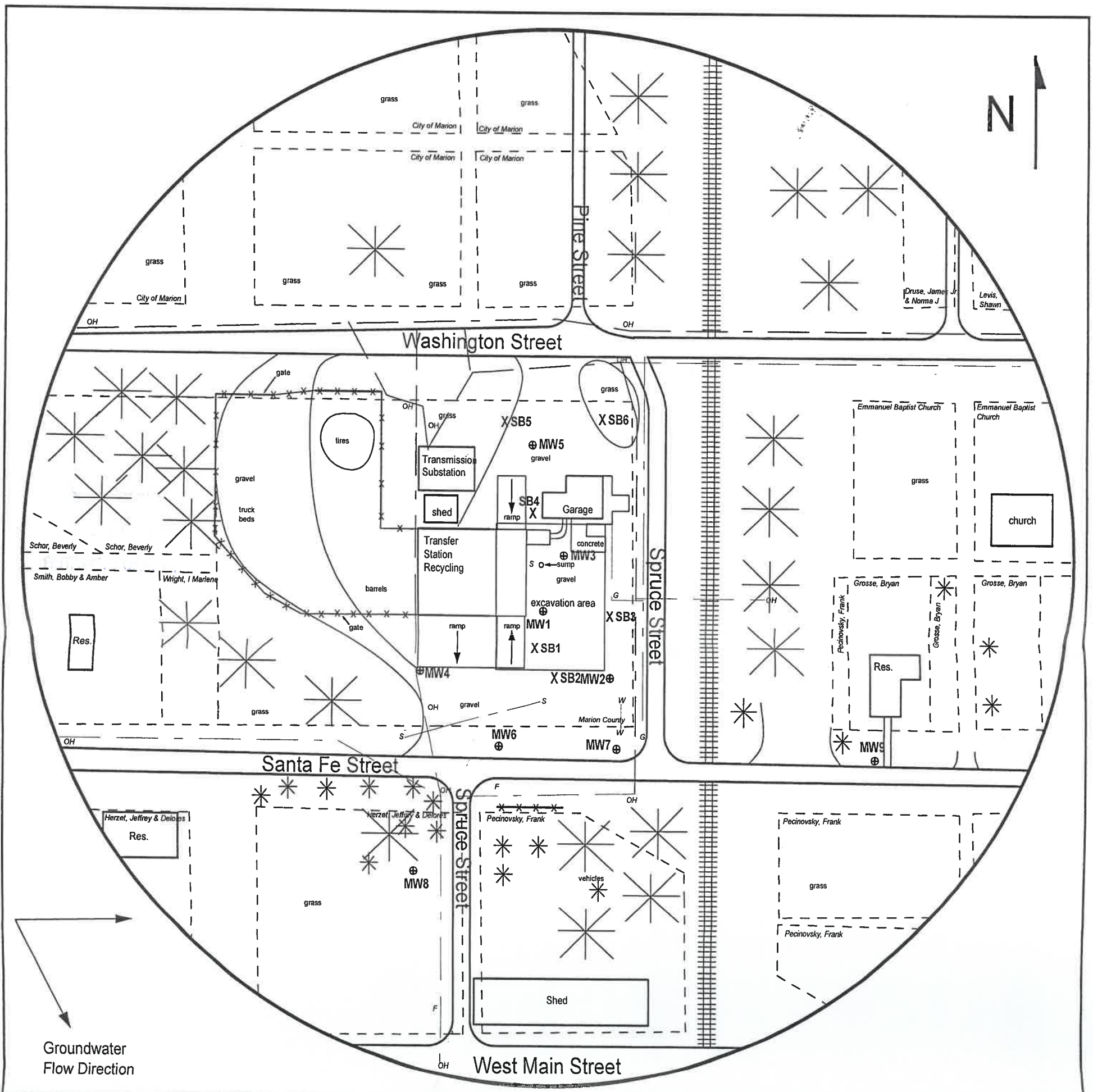


FIGURE 2.1 - 500 FT RADIUS AREA BASE MAP



PROJECT:

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



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.

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Lawrence, KS 66046 (785) 865-4282 fax

719 R4E Sec. 31
KSA 82a-1212
Marion

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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

