

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

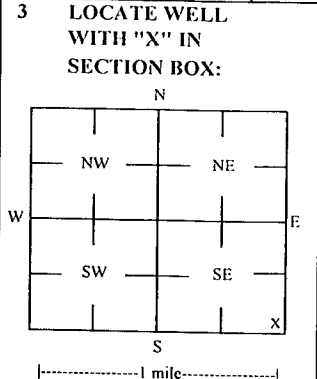
Well ID

MW2

Original Record Correction Change in Well Ust

1 LOCATION OF WATER WELL: County Marion Fraction SE 1/4 SE 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: 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: ~40' W of 106 E Main St., Marion, KS



4 DEPTH OF COMPLETED WELL: 37 ft Depth(s) Groundwater Encountered: 1) 37 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 13.88 ft

5 Latitude: 38.34865 (decimal degrees) Longitude: 97.02204 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27

6 Elevation: 1306.24 ft Ground Level: TOC Source: Land Survey GPS Topographic Map

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 Monitoring: well ID MW2 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 If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 22 ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface -0.28 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot 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 22 ft. to 37 ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 37 ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 20 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 Fuel Storage Abandoned Water Well Watertight Sewer Lines Sepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? NW Distance from well? ~130 ft

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include: 0 to 0.5 Concrete, 0.5 to 2 Rubble fill, 2 to 24 Silty clay, 24 to 28 Clayey silt, 28 to 32 Silt with fine sand, 32 to 37 Medium to coarse sand.

Notes: KDHE ID: Former Service Station; U5-057-15224 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 constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 3/5/20 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) 3/26/20 under the business name of Larsen & Associates, Inc. Signature

Mail 1 white copy along with a fee of \$5.00 for each constructed well to: Kansas Department of Health and Environment, Bureau of Water, GWIS Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your records. Telephone 785-296-5524.

MONITOR

31-19-4E
32-19-4E
5-20-4E
6-20-4E

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

March 19, 2020

RE: Monitor Well Elevation Survey
106 E. Main, Marion, Kansas

Proj. 20-00Q
Former Service Station
U5-057-15224

Bench Mark: Chisled Square on top SW corner of old concrete foundation.

Elev: 1309.39 North 33.28 West 5247.61 (from SE Cor. Sec. 32-19-4E)

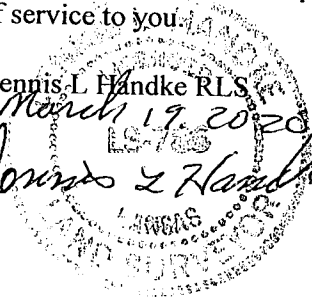
MW-1	rim	1308.32	North	3.65	NW1/4,NW1/4,NW1/4,NW1/4 (Sec. 5-20-4E)
	top pipe	1308.00	West	5243.64	Lat= 38.34828 Long = 97.02183
MW-2	rim	1306.52	North	130.79	SE1/4,SE1/4,SE1/4,SE1/4 (Sec. 31-19-4E)
	top pipe	1306.24	West	5305.11	Lat= 38.34865 Long = 97.02204
MW-3	rim	1308.36	South	102.53	NW1/4,NW1/4,NW1/4,NW1/4 (Sec.5-20-4E)
	top pipe	1307.88	West	5227.00	Lat= 38.34801 Long = 97.02177
MW-4	rim	1309.13	South	60.16	NE1/4,NE1/4,NE1/4,NE1/4 (Sec. 6-20-4E)
	top pipe	1308.81	West	525.68	Lat= 38.34812 Long = 97.02211
MW-5	rim	1308.17	South	103.46	NW1/4,NW1/4,NW1/4,NW1/4 (Sec. 5-20-4E)
	top pipe	1307.88	West	4976.88	Lat= 38.34800 Long = 97.02090
MW-6	rim	1307.71	North	156.19	SW1/4,SW1/4,SW1/4,SW1/4 (32-19-4E)
	top pipe	1307.34	West	4982.69	Lat= 38.34872 Long = 97.02097

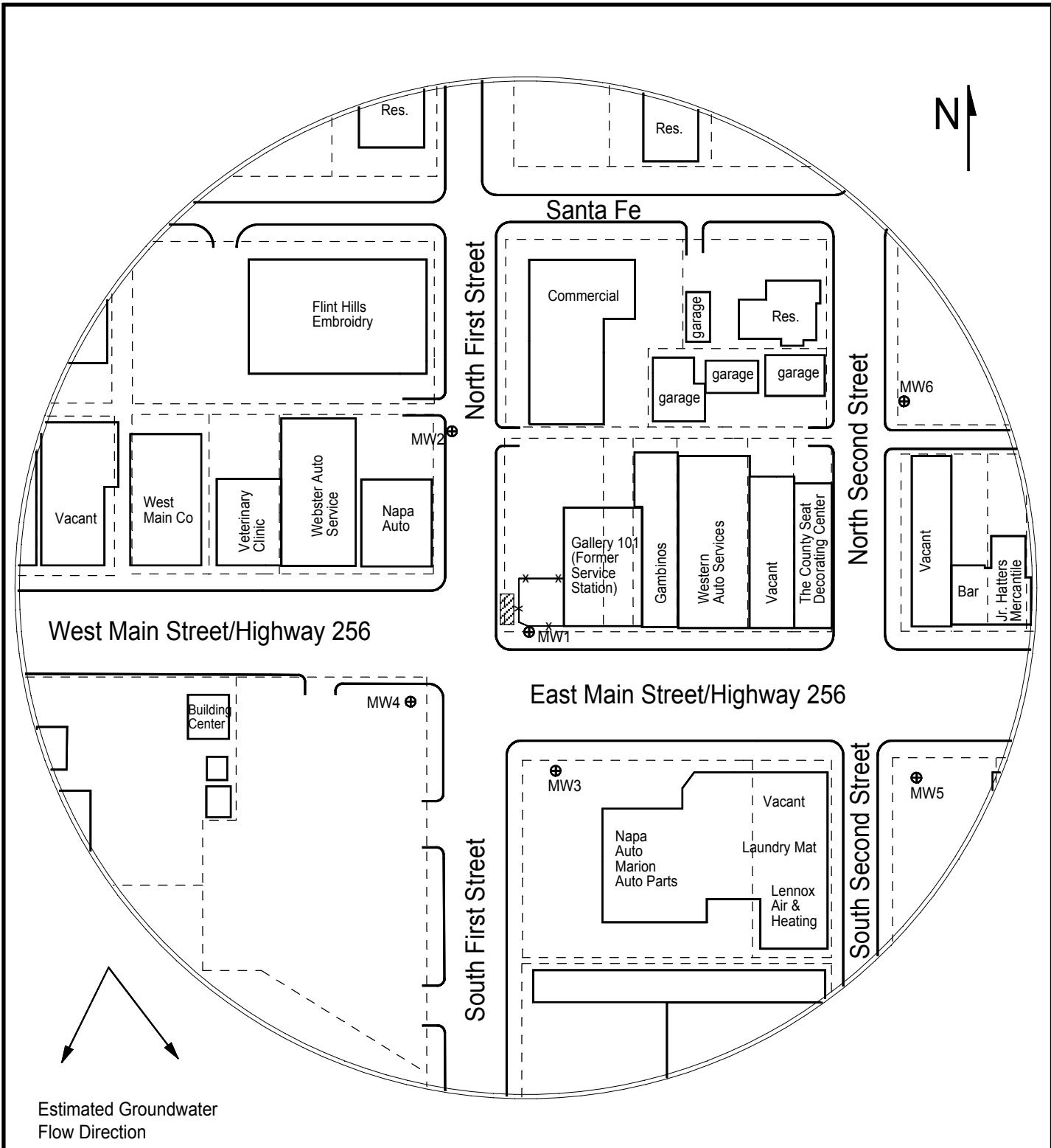
KB5/DR4

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.

Dennis L Handke RLS
 March 19, 2020

Dennis L Handke



Estimated Groundwater Flow Direction

LEGEND:

-  Approximate Location of Former UST Basin
-  Approximate Location of Property Line
-  Monitoring Well (Installed 3/4-5 & 10-11/20)



PROJECT:
Former Service Station
106 E. Main
Marion, KS
KDHE ID: U5-057-15224
Date: 3/11/20



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