

Revised

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

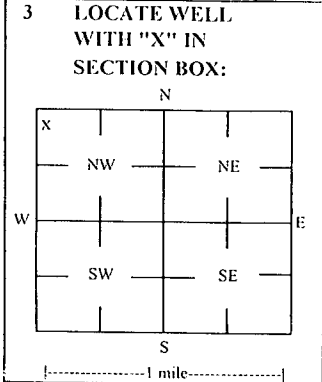
Well ID

MW3

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County Marion Fraction NW 1/4 NW 1/4 NW 1/4 NW 1/4 Section Number 5 Township Number T 20 S Range Number R 4 E

2 WELL OWNER: Last Name: Business: KDHE (Former Service Station) Address: 1000 SW Jackson Blvd City Topeka State: KS ZIP: 66612 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): ~80' S of 106 E Main St., Marion, KS



4 DEPTH OF COMPLETED WELL: 30 ft Depth(s) Groundwater Encountered: 1) 30 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 16.34 ft. [X] below land surface, measured on (mo-day-yr) 3/11/20

5 Latitude: 38.34801 (decimal degrees) Longitude: 97.02177 (decimal degrees) Horizontal Datum: [X] WGS 84 [] NAD 83 [] NAD 27 Source for Latitude/Longitude: [] GPS (unit make/model:) [X] Land Survey [] Topographic Map [] Online Mapper

6 Elevation: 1307.88 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 MW3 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 15 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.48 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [] Fiberglass [X] PVC [] Brass [] Galvanized Steel [] Concrete tile [] None used (open hole) [] Other (Specify) 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 15 ft. to 30 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 13 ft. to 30 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 13 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? N Distance from well? ~100 ft

10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS

0	0.5	Concrete			
0.5	3.75	Rubble			
3.75	24	Silty clay			
24	25	Fine to medium sandy clay with little clay			
25	30	Fine 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 [X] 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

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)

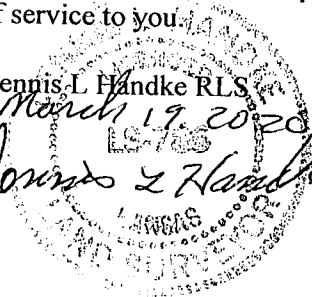
MW-1	rim	1308.32	North	3.65	NW1/4,NW1/4,NW1/4,NW1/4 (Sec. 5-20-4E)
	top pipe	1308.00	West	5243.64	Lat= 38.34828 Long = 97.02183
MW-2	rim	1306.52	North	130.79	SE1/4,SE1/4,SE1/4,SE1/4 (Sec. 31-19-4E)
	top pipe	1306.24	West	5305.11	Lat= 38.34865 Long = 97.02204
MW-3	rim	1308.36	South	102.53	NW1/4,NW1/4,NW1/4,NW1/4 (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

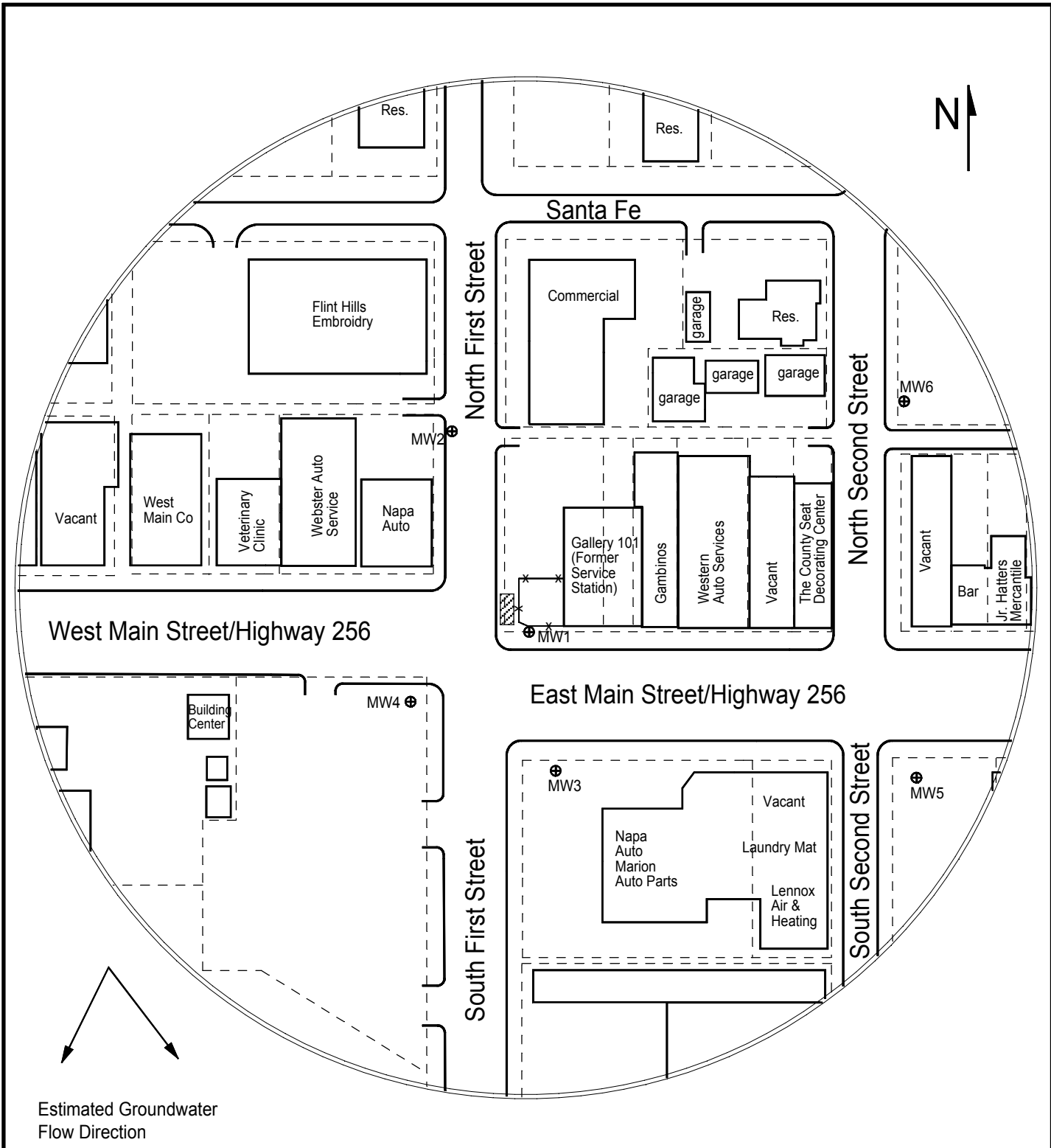
KB5/DR4

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