

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

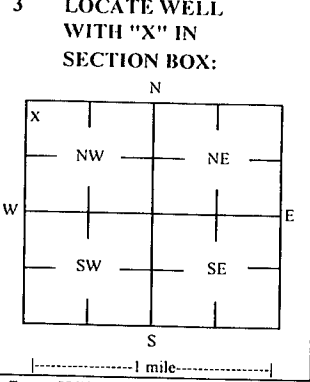
Well ID

MW1

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 W

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): 106 E Main St., Marion, KS



4 DEPTH OF COMPLETED WELL: 34 ft Depth(s) Groundwater Encountered: 1) 1 ft 2) ft 3) ft, or 4) Dry Well WELL'S STATIC WATER LEVEL: 16.03 ft

5 Latitude: 38.34828 (decimal degrees) Longitude: 97.02183 (decimal degrees) Horizontal Datum: X WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): Land Survey Topographic Map Online Mapper

6 Elevation: 1308.00 ft Ground Level 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 MW1 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 If yes, date sample was submitted:

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 19 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.32 in. Weight lbs./ft. Well thickness or gauge No TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) 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 19 ft. to 34 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 17 ft. to 34 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 17 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 Seepage Pit Feedyard Fertilizer Storage Oil Well / Gas Well Other (Specify) Direction from well? W Distance from well? ~10 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	Concrete			
0.5	24	Silty clay			
24	28	Fine clayey silt with some fine sand			
28	34	Medium sand with fine gravel			

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) 3/4/20 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. 25<sup>th</sup> 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)

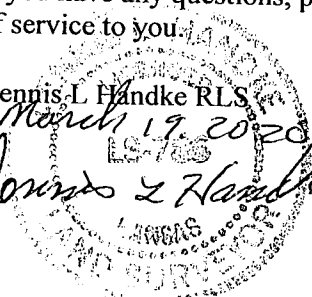
MW-1	rim	1308.32	North	3.65	NW1/4,NW1/4,NW1/4,NW1/4 (Sec. 5-20-4E)
	top pipe	1308.00	West	5243.64	Lat= 38.34828 Long = 97.02183
MW-2	rim	1306.52	North	130.79	SE1/4,SE1/4,SE1/4,SE1/4 (Sec. 31-19-4E)
	top pipe	1306.24	West	5305.11	Lat= 38.34865 Long = 97.02204
MW-3	rim	1308.36	South	102.53	NW1/4,NW1/4,NW1/4,NW1/4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

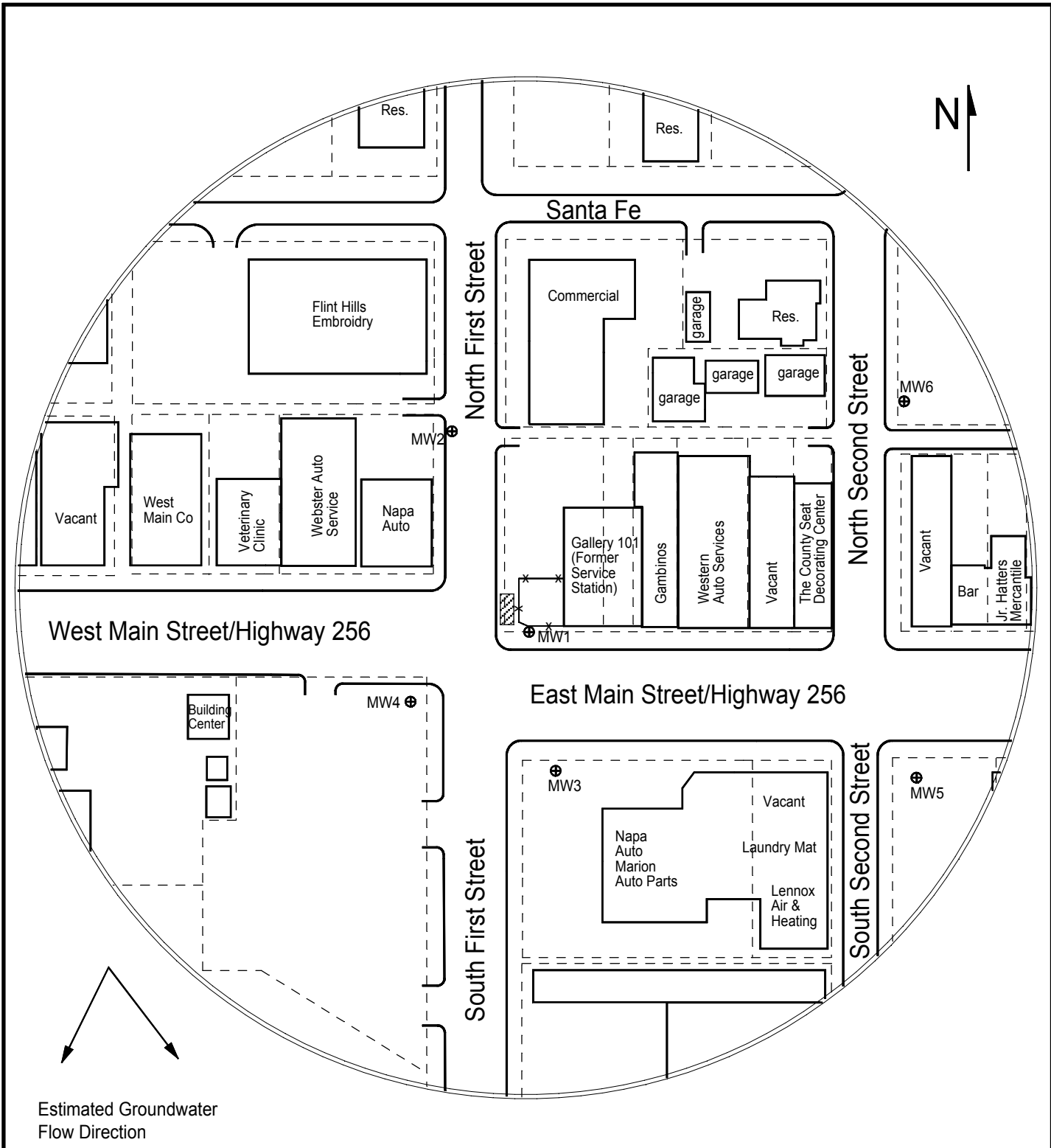
KB5/DR4

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