

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

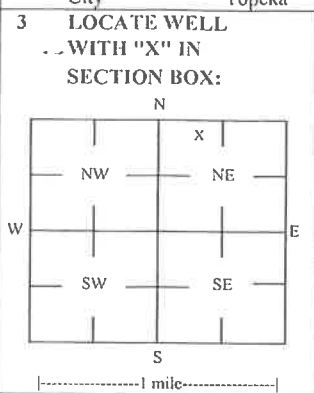
Well ID

MW4

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

1 LOCATION OF WATER WELL: County Sedgwick Fraction NW 1/4 NE 1/4 NW 1/4 NE 1/4 Section Number 7 Township Number T 27 S Range Number R 1 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: [] Business: KDHE Address: 1000 SW Jackson Blvd City Topeka State: KS ZIP: 66612



3 LOCATE WELL WITH 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 25 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) [] Dry Well WELL'S STATIC WATER LEVEL: 17.11 ft. [X] below land surface, measured on (mo-day-yr) 7/9/20 [] above land surface, measured on (mo-day-yr) _____ Pump test data: Well water was _____ ft after _____ hours pumping _____ gpm Water well was _____ ft after _____ hours pumping _____ gpm Estimated Yield: _____ gpm Bore Hole Diameter: 7.25 in to _____ ft, and _____ in to _____ ft

5 Latitude: 37.72199 (decimal degrees) Longitude: 97.35986 (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 1314.46 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 2 [] Public Water Supply: well ID 3 [] Dewatering: how many wells? 4 [] Aquifer Recharge: well ID 5 [X] Monitoring: well ID MW4 6 [] Environmental Remediation: well ID 7 [] Air Sparge [] Soil Vapor Extractor 8 [] Recovery [] Injection 9 [] Oil Field Water Supply: lease 10 [] Test Hole: well ID [] Cased [] Uncased [] Geotechnical 11 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 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.27 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 10 ft. to 25 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, GRAVEL PACK INTERVALS: From 8 ft. to 25 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft,

9 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [X] Other Concrete: 0-0.3' Grout intervals: From 0.3 ft. to 8 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? Unknown Distance from well? Unknown ft

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

0	0.3	Asphalt			
0.3	1	Gravel/sand fill			
1	3	Silty clay			
3	3.5	Medium sand			
3.5	5	Silty clay			
5	9	Clay			
9	13	Silty clay			
13	16	Fine sand grading to coarse sand			
16	25	Coarse sand			

Notes: KDHE ID: Herman Oil Co.; U2-087-15223 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) 7/7/20 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) 8/17/20 under the business name of Larsen & Associates, Inc. Signature _____

DENNIS L HANDKE

1820 NW 59th Terrace
TOPEKA, KANSAS 66618
785-286-4047 Home

Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

July 29, 2020

RE: Monitor Well Elevation Survey
1705 W. 21st. St. Wichita, Kansas

Proj. 20-00KK
Herman Oil
U2-087-15223

Bench Mark: Chisled Square on NE corner of concrete sign base at NE corner of property.
Elev: 1313.49 North 5312 West 1668 (from SE Cor. Sec. 7-27-1E)

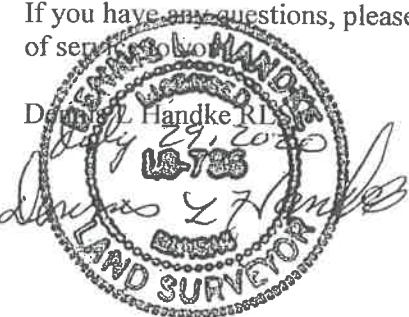
MW-1	rim	1314.03	North	5203	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	1313.74	West	1664	Lat= 37.72222 Long = 97.35768
MW-2	rim	1313.93	North	5251	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	1313.64	West	1663	Lat= 37.72236 Long = 97.35968
MW-3	rim	1314.74	North	5238	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	1314.44	West	1801	Lat= 37.72232 Long = 97.36016
MW-4	rim	1314.73	North	5119	NW1/4,NE1/4,NW1/4,NE1/4
	top pipe	1314.46	West	1715	Lat= 37.72199 Long = 97.35986
MW-5	rim	1315.01	North	5050	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	1314.79	West	1581	Lat= 37.72181 Long = 97.35940
MW-6	rim	1314.04	North	5436	SW1/4,SE1/4,SW1/4,SE1/4 (Sec. 6-27-1E)
	top pipe	1313.74	West	1850	Lat= 37.72286 Long = 97.36033
MW-7	rim	1314.20	North	5266	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	1313.80	West	1573	Lat= 37.72240 Long = 97.35937
MW-8	rim	1314.30	North	5166	NE1/4,NE1/4,NW1/4,NE1/4
	top pipe	1314.03	West	1566	Lat= 37.72212 Long = 97.35934

Lat & Long derived from Wichita East 7.5' quad map. WGS 84.

Elevation established from City of Wichita BM 21st & Benjamin. 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 R.L.S.



RECEIVED

SEP 02 2020

BUREAU OF WATER

Sedgwick

6-27-1E
7-27-1E

NOTE: Figures exhibited within this report are only to be used within the context of this report. Placement of property lines, wells, structures, and roads is based on the available information from county appraiser maps, surveys, site visits, and/or previous vendor reports and should be considered approximate.

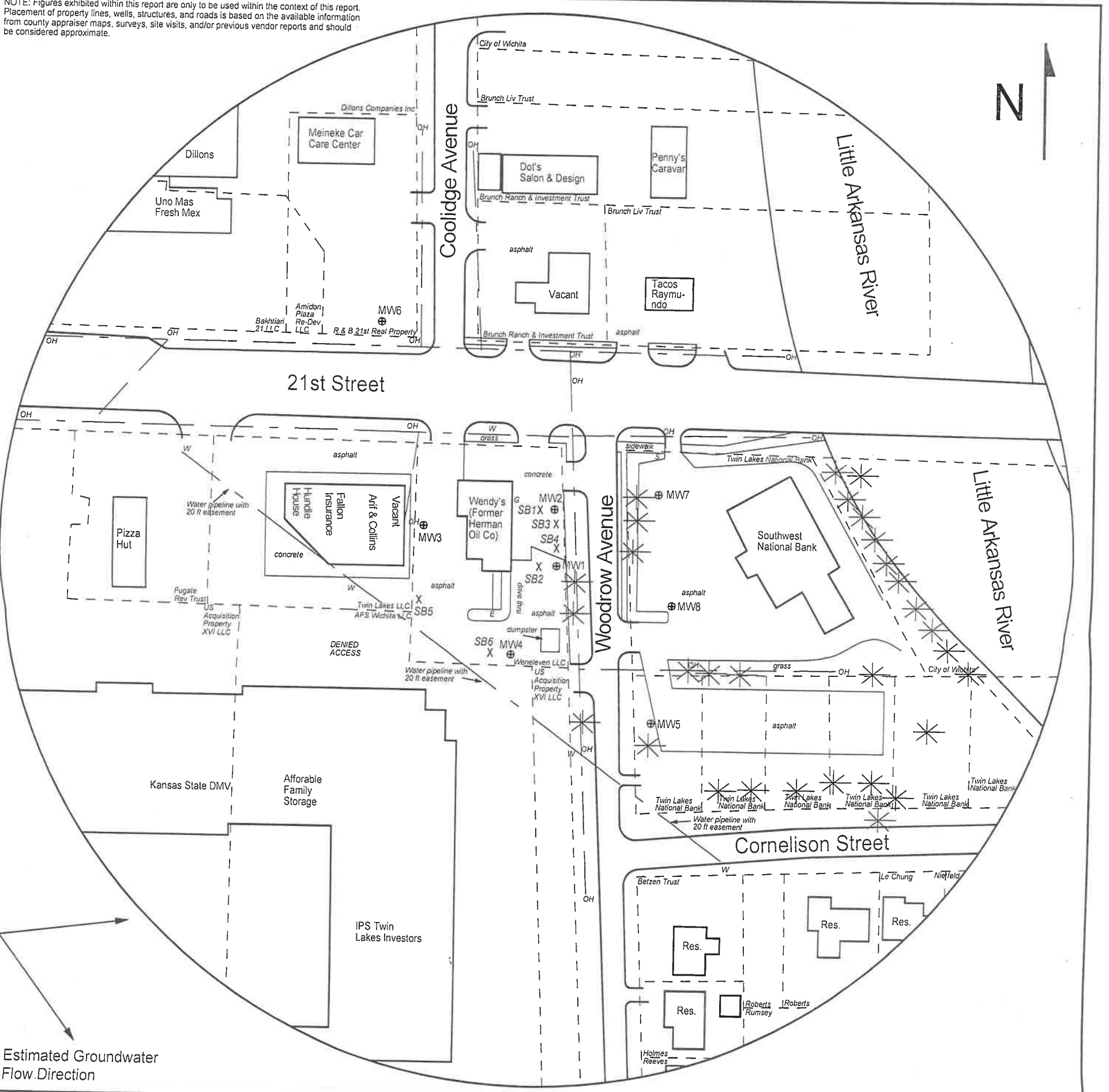


FIGURE 2.2 - 500 FT RADIUS AREA BASE MAP

LEGEND

- - - - - Approximate Location of Property Line
- ⊕ Monitoring Well (Installed 7/6-9/20)
- X Soil Boring (Drilled 7/8-9/20)
- G Gas Meter
- s Sewer Inlet
- E - - - - - Electric Lines (1.5 - 3 ft bgs)
- OH - - - - - Overhead Lines (25'-40' high)
- W - - - - - Water Lines (1.5 - 3 ft bgs)

NOTE: SB5 & SB6 will be drilled to collect hydrologic samples.
NOTE: Utility depths, heights and locations are approximate.



PROJECT:
Herman Oil Co.
1705 W. 21st St.
Wichita, KS
KDHE ID: U2-087-15223
Date: 7/9/20



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