

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

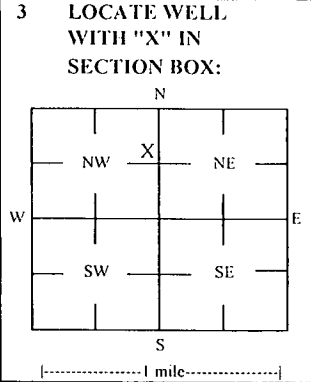
Well ID

MW4

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

1 LOCATION OF WATER WELL: County Allen Fraction SE 1/4 SE 1/4 NE 1/4 NW 1/4 Section Number 13 Township Number T 25 S Range Number R 18 [X] E [] W

2 WELL OWNER: Last Name: Business: Allen County Public Works Address: 1 N Washington City: Iola State: KS ZIP: 66749 Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): 1705 Minnesota Rd. Iola, KS



3 LOCATE WELL WITH "X" IN SECTION BOX: 4 DEPTH OF COMPLETED WELL: 12 ft Depth(s) Groundwater Encountered: 1) 12 ft 2) ft 3) ft, or 4) [] Dry Well WELL'S STATIC WATER LEVEL: 3 ft [X] below land surface, measured on (mo-day-yr) 4/16/20 [] 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: 37.87505 (decimal degrees) Longitude: 95.38237 (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 1014.94 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 3 ft, Diameter in. to ft, Diameter in. to ft, Casing height above land surface -0.31 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 3 ft. to 12 ft, From ft. to ft, From ft. to ft, GRAVEL PACK INTERVALS: From 1 ft. to 12 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 1 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? East Distance from well? 80 ft

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.6 Concrete, 0.6-4 Silty clay, some gravel, 4-5 Silty clay, 5-8.5 Clayey shale, 8.5-12 Clayey shale, limestone stringers

Notes: KDHE ID: Allen County Airport; U3-001-15186 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) 3/12/20 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) 4/8/20 under the business name of Larsen & Associates, Inc. Signature

171121

13-T25-18E

DENNIS L HANDKE

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785-286-4047 Home
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Jess Chapman
Larsen & Associates
1311 E. 25th Street, Suite B
Lawrence, Kansas, 66046

March 26, 2020

RE: Monitor Well Elevation Survey
1705 Minnesota Road, Iola, Kansas

Proj. 20-00R
Allen County Airport
U3-001-15186

Bench Mark: Chisled Square on top South center of concrete pump island.

Elev: 1016.67 North 4003.95 West 2818.49 (from SE Cor. Sec. 13-25-18E)

MW-1	rim	1016.24	North	4007.26	SE1/4,SE1/4,NE1/4,NW1/4
	top pipe	1015.90	West	2728.33	Lat= 37.87493 Long = 95.38205
MW-2	rim	1017.29	North	4021.58	SW1/4,SW1/4,NW1/4,NE1/4
	top pipe	1016.91	West	2611.83	Lat= 37.87497 Long = 95.38165
MW-3	rim	1016.08	North	4067.02	SE1/4,SE1/4,NE1/4,NW1/4
	top pipe	1015.80	West	2683.65	Lat= 37.87509 Long = 95.38190
MW-4	rim	1015.25	North	4052.69	SE1/4,SE1/4,NE1/4,NW1/4
	top pipe	1014.94	West	2819.10	Lat= 37.87505 Long = 95.38237
MW-5	rim	1014.75	North	4141.64	SE1/4,SE1/4,NE1/4,NW1/4
	top pipe	1014.50	West	2687.74	Lat= 37.87530 Long = 95.38191
MW-6	rim	1014.97	North	4153.18	SE1/4,SE1/4,NE1/4,NW1/4
	top pipe	1014.71	West	2794.54	Lat= 37.87533 Long = 95.38228

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

Elevation established from NGS Station IOLAPORT NAVD 88.

If you have any questions, please feel free to call me. Thank you for the opportunity to be of service to you.

March 26, 2020
Dennis L Handke RLS
Larsen & Handke
TOPEKA, KANSAS
LAND SURVEYOR

RECEIVED
MAY 13 2020
BUREAU OF WATER

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.

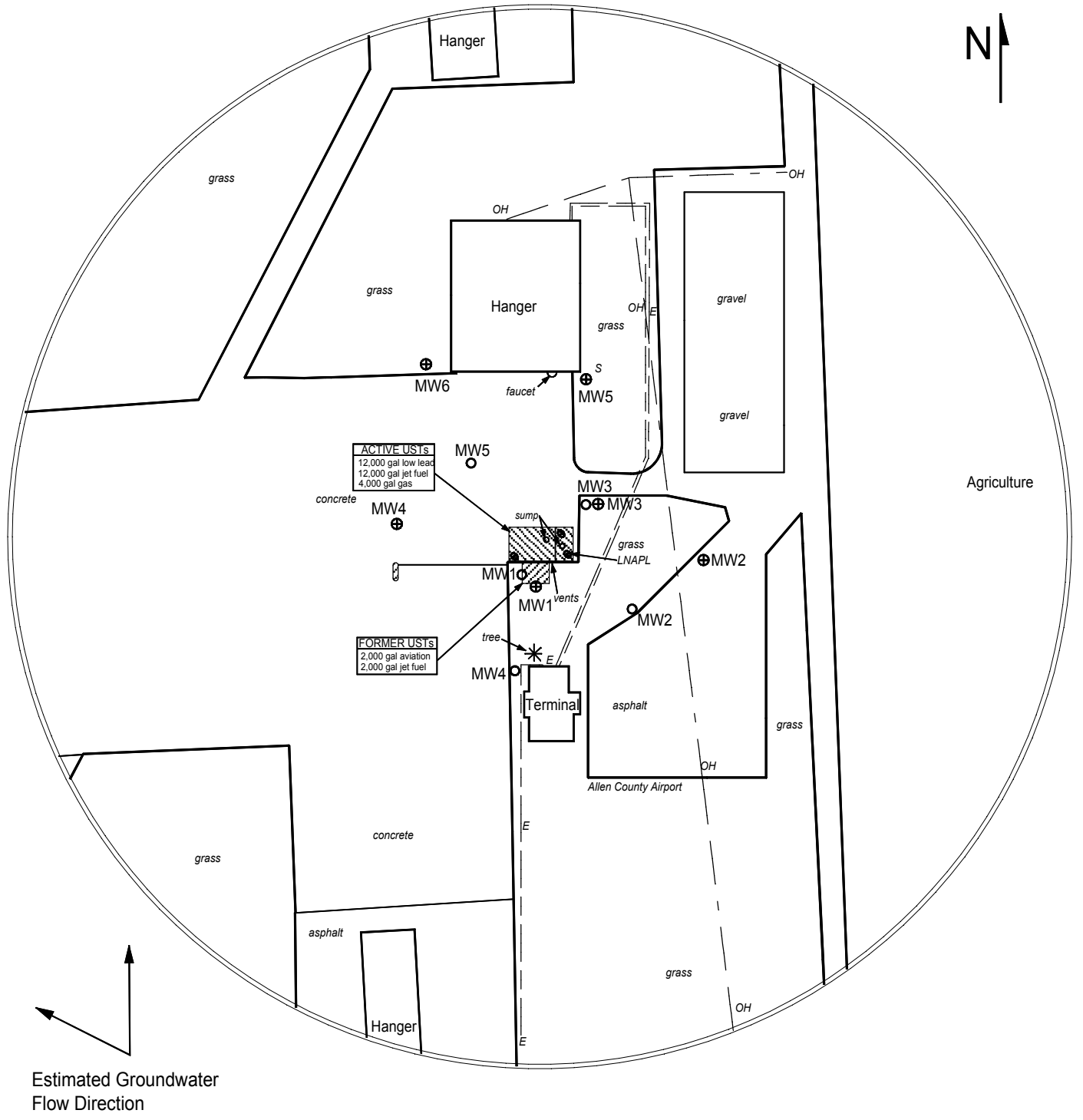


FIGURE 2.1 - 350 FT RADIUS AREA BASE MAP

LEGEND:

- Approximate Location of Former UST Basin
- Approximate Location of Active UST Basin, Product Line & Pump Island
- Approximate Location of Property Line
- Observation Well
- Plugged Well
- Monitoring Well (Installed 3/12-13/20)
- Soil Boring (Drilled 3/9/20 & 3/13/20)
- Sewer Inlet
- Electric Lines (2 - 6 ft bgs)
- Overhead Lines (25'-40' high)

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



PROJECT:

Allen County Airport
1705 Minnesota Road
Iola, KS
KDHE ID: U3-001-15186
Date: 4/16/20



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