WATER WELL RECORD Form WWC-5

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

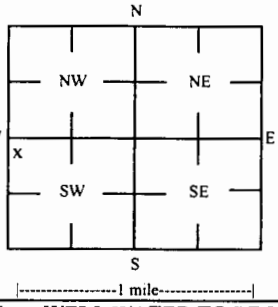
Division of Water Resources App. No. [ ] Well ID **MW29**

1 LOCATION OF WATER WELL: County Riley | Fraction NE ¼ NW ¼ NW ¼ SW ¼ | Section Number 1 | Township Number T 9 S | Range Number R 5 [X] E [ ] W

2 WELL OWNER: Last Name: First:
Business: KDHE (Deines, Alvin)
Address: 1000 SW Jackson
Address:
City Topeka State: KS ZIP: 66612

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: [ ]
~45' SW of the SW corner of Kansas Ave. & Clay St., Riley, Ks

3 LOCATE WELL WITH "X" IN SECTION BOX:



4 DEPTH OF COMPLETED WELL: 18 ft
Depth(s) Groundwater Encountered: 1) ft 2) ft 3) ft, or 4) [ ] Dry Well
WELL'S STATIC WATER LEVEL: 7.85 ft.
[X] below land surface, measured on (mo-day-yr) 9/6/2022
[ ] 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: 39.29872 (decimal degrees)
Longitude 96.82895 (decimal degrees)
Horizontal Datum: 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 1274.20 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
2 [ ] Irrigation
3 [ ] Feedlot
4 [ ] Industrial
5 [ ] Public Water Supply: well ID
6 [ ] Dewatering: how many wells?
7 [ ] Aquifer Recharge: well ID
8 [X] Monitoring: well ID **MW29**
9 Environmental Remediation: well ID [ ] Air Sparge [ ] Soil Vapor Extractior [ ] 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 [ ] Clampled [ ] Welded [X] Threaded
Casing diameter 2 in. to 8 ft, Diameter in. to ft, Diameter in. to ft,
Casing height above land surface -0.36 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 8 ft. to 18 ft, From ft. to ft, From ft. to ft,
GRAVEL PACK INTERVALS: From 6 ft. to 18 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 6 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 (Specity)
Direction from well? Distance from well? ft

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.5	Topsoil clay with rocks			
0.5	18	Clay			
18	19	Limestone			

Notes: KDHE ID: Deines, Alvin; U5-081-00012
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) 7/28/22 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) 9/27/22
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, BWTS 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.

Visit us at http://www.kdheks.gov/waterwell/index.html KSA 82a-1212 **Revised 7/10/2015**

T9-R5E-Sec.1
Riley KSA 82a-1212

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.

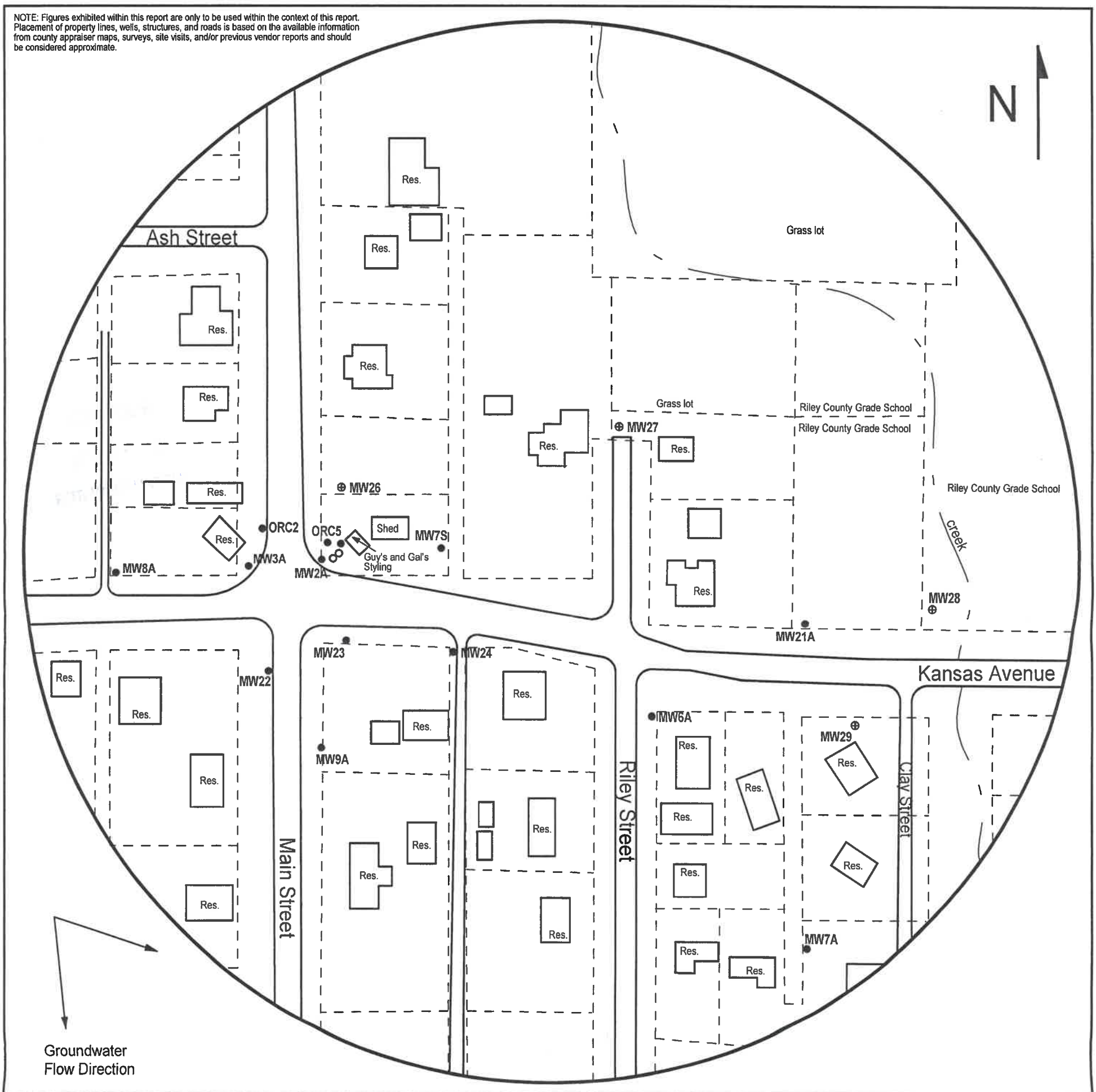


FIGURE 1 - 500 FT RADIUS AREA BASE MAP

LEGEND

- Monitoring Well
- ⊕ New Monitoring Well
- ○ Plugged Monitoring Well
- – – – Approximate Location of Property Lines

larsen & ASSOCIATES, INC.

1311 E 25th St., Suite B
Lawrence, KS 66046

(785) 841-8707 office
(785) 865-4282 fax

PROJECT:

Deines, Alvin
Box 305
Riley, KS
KDHE ID: U5-081-00012
Date: 7/5 & 28/22

0 100 feet

T9- R5E - Sec 1
Riley 1CSA 82a-1212

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

September 22, 2022

RE: Monitor Well Elevation Survey
Box 305, Riley, Kansas

Proj. 22-00AAA
Deines, Alvin
U5-081-00012

Bench Mark: Chiseld Square on the East wingwall of the South Hdwl of bridge on Kansas Ave. over Wildcat Creek.
Elev: 1275.42 North 2735.96 West 5308.96 (from SE Cor. Sec. 1-9-5E)

MW-2A	rim	1288.46	North	2825.84	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1287.84	West	5279.23	Lat = 39.29918 Long = 96.83083
MW-3A	rim	1290.71	North	2817.76	SE1/4,SE1/4,SE1/4,NE1/4 (Sec.2-9-5E)
	top pipe	1290.17	West	5359.74	Lat = 39.29916 Long = 96.83111
MW-6A	rim	1281.86	North	2671.09	NE1/4,NW1/4,NW1/4,SW1/4
	top pipe	1281.08	West	4975.61	Lat = 39.29874 Long = 96.82976
MW-7A	rim	1280.07	North	2480.35	NE1/4,NW1/4,NW1/4,SW1/4
	top pipe	1279.50	West	4833.63	Lat = 39.29822 Long = 96.82926
MW-7S	rim	1285.77	North	2824.75	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1286.38	West	5161.77	Lat = 39.29917 Long = 96.83041
MW-8A	rim	1291.91	North	2821.49	SE1/4,SE1/4,SE1/4,NE1/4 (Sec.2-9-5E)
	top pipe	1291.44	West	5469.19	Lat = 39.29917 Long = 96.83150
MW-9A	rim	1289.50	North	2652.60	NW1/4,NW1/4,NW1/4,SW1/4
	top pipe	1289.08	West	5293.55	Lat = 39.29870 Long = 96.83088
MW-21A	rim	1275.82	North	2754.74	SE1/4,SW1/4,SW1/4,NW1/4
	top pipe	1275.41	West	4802.33	Lat = 39.29897 Long = 96.82914
MW-22	rim	1289.62	North	2730.45	NE1/4,NE1/4,NE1/4,SE1/4 (Sec.2-9-5E)
	top pipe	1289.11	West	5331.85	Lat = 39.29892 Long = 96.83102
MW-23	rim	1287.57	North	2745.32	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1287.26	West	5254.26	Lat = 39.29895 Long = 96.83074
MW-24	rim	1284.75	North	2741.01	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1284.04	West	5157.16	Lat = 39.29894 Long = 96.83040
MW-26	rim	1288.26	North	2894.93	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1287.90	West	5270.06	Lat = 39.29937 Long = 96.83079
MW-27	rim	1278.94	North	2941.14	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1278.36	West	4989.34	Lat = 39.29949 Long = 96.82980

MW-28	rim	1273.08	North	2765.24	SE1/4,SW1/4,SW1/4,NW1/4
	top pipe	1272.70	West	4720.68	Lat = 39.29900 Long = 96.82886
MW-29	rim	1274.56	North	2665.47	NE1/4,NW1/4,NW1/4,SW1/4
	top pipe	1274.20	West	4746.67	Lat = 39.29872 Long = 96.82895
ORC-2	rim	1289.79	North	2855.74	SE1/4,SE1/4,SE1/4,NE1/4 (Sec 2-9-5E)
	top pipe	1289.10	West	5336.10	Lat = 39.29926 Long = 96.83103
ORC-5	rim	1288.10	North	2849.97	SW1/4,SW1/4,SW1/4,NW1/4
	top pipe	1287.73	West	5272.60	Lat = 39.29925 Long = 96.83084

Lat & Long derived from Riley 7.5 quad map. WGS84

Elevation established from FIMA BM RM 2. 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