

☒ Original Record ☐ Correction ☐ Change in Well Use

1 LOCATION OF WATER WELL: County Riley		Fraction <div style="text-align:center;">SW ¼ SW ¼ SW ¼ NW ¼</div>	Section Number <div style="text-align:center;">I</div>	Township Number <div style="text-align:center;">T 9 S</div>	Range Number <div style="text-align:center;">R 5 <input checked="" type="checkbox"/> E <input type="checkbox"/> W</div>																																																																								
2 WELL OWNER: Last Name: Business: KDHE (Deines, Alvin) Address: 1000 SW Jackson 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: <input type="checkbox"/> ~175'N of the intersection of Riley St. and Kansas Ave (end of dead end), Riley, KS																																																																										
3 LOCATE WELL WITH "X" IN SECTION BOX: <div style="text-align:center; margin-top: 10px;"><table border="1" style="margin:auto; width:150px; height:100px; position:relative;"> <tr><td colspan="2"></td><td>N</td><td colspan="2"></td></tr> <tr><td>NW</td><td></td><td></td><td></td><td>NE</td></tr> <tr><td>X</td><td></td><td></td><td></td><td>E</td></tr> <tr><td>SW</td><td></td><td></td><td></td><td>SE</td></tr> <tr><td colspan="2"></td><td>S</td><td colspan="2"></td></tr> </table></div>				N			NW				NE	X				E	SW				SE			S			4 DEPTH OF COMPLETED WELL: 12.5 ft Depth(s) Groundwater Encountered: 1) _____ ft 2) _____ ft 3) _____ ft, or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: 5.45 ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 9/6/2022 <input type="checkbox"/> 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: 39.29949 (decimal degrees) Longitude: 96.82980 (decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input type="checkbox"/> NAD 83 <input type="checkbox"/> NAD 27 Source for Latitude/Longitude: <input type="checkbox"/> GPS (unit make/model: _____) (WAAS enabled? <input type="checkbox"/> Yes <input type="checkbox"/> No) <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> Topographic Map <input type="checkbox"/> Online Mapper																																																
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		6 Elevation: 1278.36 ft <input type="checkbox"/> Ground Level <input checked="" type="checkbox"/> TOC Source: <input checked="" type="checkbox"/> Land Survey <input type="checkbox"/> GPS <input type="checkbox"/> Topographic Map <input type="checkbox"/> Other _____																																																																											
7 WELL WATER TO BE USED AS: <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> 1 Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock 2 Irrigation <input type="checkbox"/> Feedlot <input type="checkbox"/> Industrial </div> <div style="width: 48%;"> 5 Public Water Supply: well ID _____ 6 Dewatering: how many wells? _____ 7 Aquifer Recharge: well ID _____ 8 Monitoring: well ID MW27 9 Environmental Remediation: well ID _____ <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extractor <input type="checkbox"/> Recovery <input type="checkbox"/> Injection </div> <div style="width: 48%;"> 10 Oil Field Water Supply: lease _____ 11 Test Hole: well ID _____ <input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical 12 Geothermal: How many bores? a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water <input type="checkbox"/> Other (specify): _____ </div> </div>																																																																													
Was a chemical/bacteriological sample submitted to KDHE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, date sample was submitted: _____ Water well disinfected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																													
8 TYPE OF CASING USED: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ CASING JOINTS: <input type="checkbox"/> Glued <input type="checkbox"/> Clamped <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Threaded Casing diameter 2 in. to 3 ft, Diameter _____ in. to _____ ft, Diameter _____ in. to _____ ft, Casing height above land surface -0.58 in. Weight _____ lbs./ft. Well thickness or gauge No _____ TYPE OF SCREEN OR PERFORATION MATERIAL: <input type="checkbox"/> Steel <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Brass <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Concrete tile <input type="checkbox"/> None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: <input type="checkbox"/> Continuous Slot <input checked="" type="checkbox"/> Mill Slot <input type="checkbox"/> Gauze Wrapped <input type="checkbox"/> Torch Cut <input type="checkbox"/> Drilled Holes <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Louvered Shutter <input type="checkbox"/> Key Punched <input type="checkbox"/> Wire Wrapped <input type="checkbox"/> Saw Cut <input type="checkbox"/> None (Open Hole) SCREEN-PERFORATED INTERVALS: From 3 ft. to 12.5 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, GRAVEL PACK INTERVALS: From 1.5 ft. to 12.5 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft,																																																																													
9 GROUT MATERIAL: <input type="checkbox"/> Neat cement <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Other Concrete: 0-0.5' Grout intervals: From 0.5 ft. to 1.5 ft, From _____ ft. to _____ ft, From _____ ft. to _____ ft, Nearest source of possible contamination: <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 5px;"> <input type="checkbox"/> Septic Tank <input type="checkbox"/> Lateral Lines <input type="checkbox"/> Pit Privy <input type="checkbox"/> Livestock Pens <input type="checkbox"/> Insecticide Storage </div> <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 5px;"> <input type="checkbox"/> Sewer Lines <input type="checkbox"/> Cess Pool <input type="checkbox"/> Sewage Lagoon <input checked="" type="checkbox"/> Fuel Storage <input type="checkbox"/> Abandoned Water Well </div> <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 5px;"> <input type="checkbox"/> Watertight Sewer Lines <input type="checkbox"/> Seepage Pit <input type="checkbox"/> Feedyard <input type="checkbox"/> Fertilizer Storage <input type="checkbox"/> Oil Well / Gas Well </div> <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 5px;"> <input type="checkbox"/> Other (Specity) </div> Direction from well? _____ Distance from well? _____ ft																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">10 FROM</th> <th style="width:10%;">TO</th> <th style="width:40%;">LITHOLOGIC LOG</th> <th style="width:10%;">FROM</th> <th style="width:10%;">TO</th> <th style="width:20%;">LITHO. LOG (cont.) or PLUGGING INTERVALS</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0.5</td> <td>Topsoil, clay with rocks</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.5</td> <td>5</td> <td>Silty clay with rocks</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>12.5</td> <td>Shale/rocks</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">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.</p>						10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS	0	0.5	Topsoil, clay with rocks				0.5	5	Silty clay with rocks				5	12.5	Shale/rocks																																																			
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11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was <input checked="" type="checkbox"/> constructed, <input type="checkbox"/> reconstructed, or <input type="checkbox"/> plugged under my jurisdiction and was completed on (mo-day-year) 7/5/22 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, GWTS 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																																																																													

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.

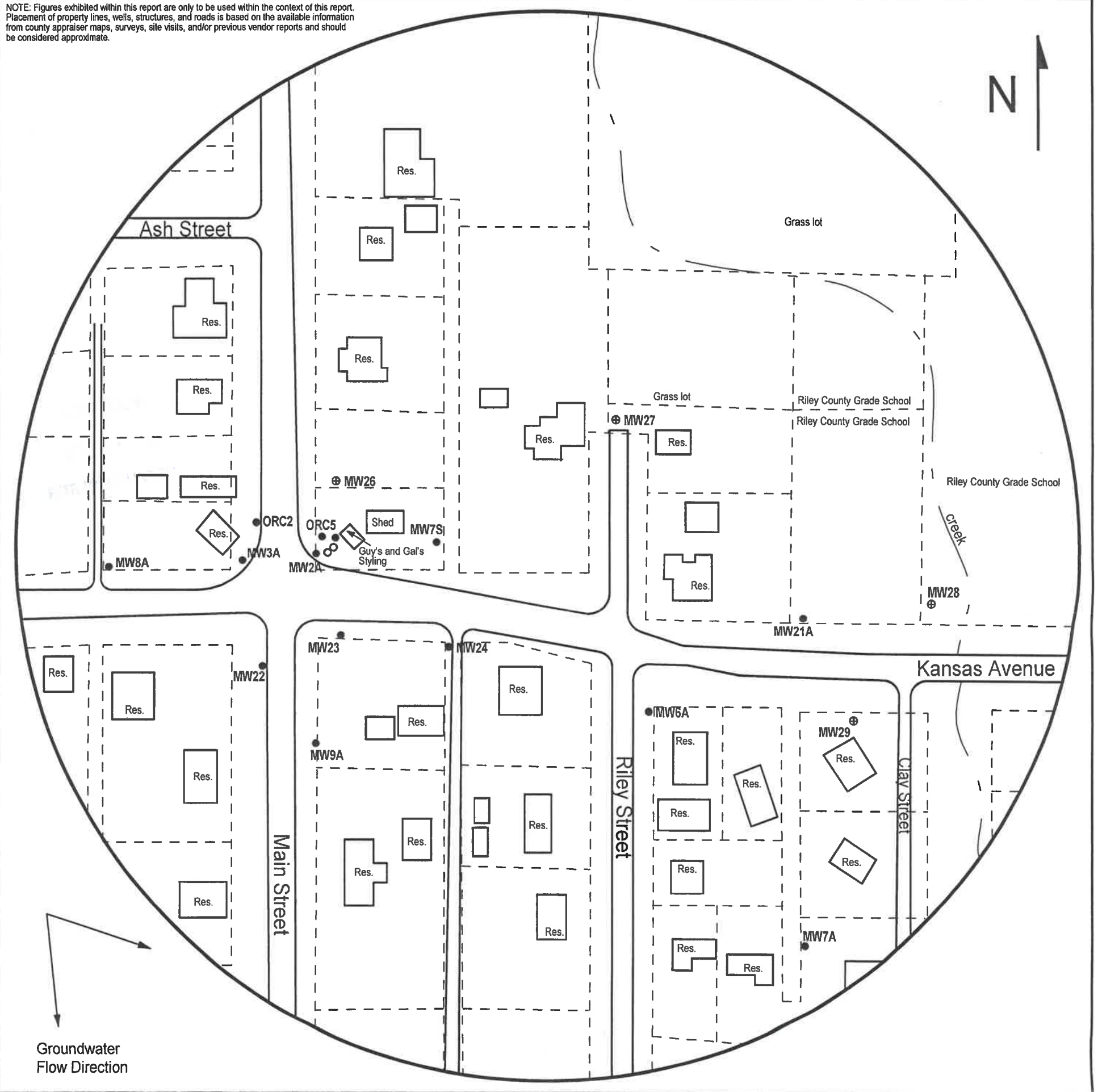


FIGURE 1 - 500 FT RADIUS AREA BASE MAP



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

PROJECT:

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

0 100 feet

LEGEND

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

DENNIS L HANDKE

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

T9- RSE - Sec 1
Riley KSA 82a-1212

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.

