

WATER WELL RECORD Form WWC-5

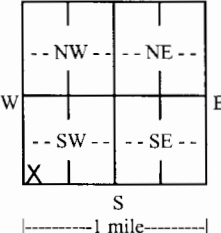
Division of Water Resources App. No.

Well ID MW-21

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Jefferson	Fraction SW¼ SW¼ SW¼ SW¼	Section Number 33	Township Number T 09 S	Range Number R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: Edmonds First: Phyllis Business Address: 816 Cherokee St. City: Oskaloosa State: KS ZIP: 66066	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"/> 100 Washington St Oskaloosa, KS
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3 LOCATE WELL WITH "X" IN SECTION BOX: N  S 1 mile	4 DEPTH OF COMPLETED WELL: ... 25 ... ft. Depth(s) Groundwater Encountered: 1) ft. 2) ft. 3) ft., or 4) <input type="checkbox"/> Dry Well WELL'S STATIC WATER LEVEL: ... 18.87 ... ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 10/9/18 . <input type="checkbox"/> above land surface, measured on (mo-day-yr) Pump test data: Well water was ft. after..... hours pumping gpm Well water was ft. after..... hours pumping gpm Estimated Yield: gpm Bore Hole Diameter: ... 8.25 ... in. to ... 25 ... ft. and in. to ft.	5 Latitude: ... 39.21673(decimal degrees) Longitude: ... 95.31030(decimal degrees) Horizontal Datum: <input type="checkbox"/> WGS 84 <input checked="" 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:
		6 Elevation: ... 1093.12 ...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:

1. Domestic: <input type="checkbox"/> Household <input type="checkbox"/> Lawn & Garden <input type="checkbox"/> Livestock	5. <input type="checkbox"/> Public Water Supply: well ID	10. <input type="checkbox"/> Oil Field Water Supply: lease
2. <input type="checkbox"/> Irrigation	6. <input type="checkbox"/> Dewatering: how many wells?	11. Test Hole: well ID
3. <input type="checkbox"/> Feedlot	7. <input type="checkbox"/> Aquifer Recharge: well ID	<input type="checkbox"/> Cased <input type="checkbox"/> Uncased <input type="checkbox"/> Geotechnical
4. <input type="checkbox"/> Industrial	8. <input checked="" type="checkbox"/> Monitoring: well ID MW-21	12. Geothermal: how many bores?
	9. Environmental Remediation: well ID	a) Closed Loop <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction	b) Open Loop <input type="checkbox"/> Surface Discharge <input type="checkbox"/> Inj. of Water
	<input type="checkbox"/> Recovery <input type="checkbox"/> Injection	13. <input type="checkbox"/> Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted:

Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded
Casing diameter ...**2**... in. to ...**5**... ft., Diameter in. to ft., Diameter in. to ft.
Casing height above land surface ...**-0.5**... in. Weight lbs./ft. Wall thickness or gauge No. **Sch 40**

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel Stainless Steel Fiberglass PVC Other (Specify)

Brass Galvanized Steel Concrete tile None used (open hole)

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 ...**5**... ft. to ...**25**... ft., From ft. to ft., From ft. to ft.
GRAVEL PACK INTERVALS: From ...**3**... ft. to ...**25**... ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other

Grout Intervals: From ...**1**... ft. to ...**3**... ft., From ft. to ft., From ft. to ft.

Nearest source of possible contamination:

<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
<input type="checkbox"/> Sewer Lines	<input type="checkbox"/> Cess Pool	<input type="checkbox"/> Sewage Lagoon	<input type="checkbox"/> Fuel Storage	<input type="checkbox"/> Abandoned Water Well
<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

Other (Specify) **Contaminated site U4-044-14690**

Direction from well? **South** Distance from well? **100** ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.4	Asphalt			
0.4	20	Clay, lt brn to brn to olv brn			
20	25	Clay with sand, olv green			
25		TD			
Notes: U4-044-14690 Walnut Street Station					

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) **10/8/18** and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. **585** This Water Well Record was completed on (mo-day-year) **10/30/18** under the business name of **Associated Environmental, Inc.** Signature *[Signature]*

Jefferson SW SW SWSW 33-9-19

FULL SITE SURVEY

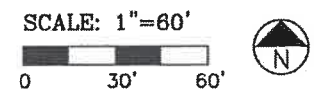
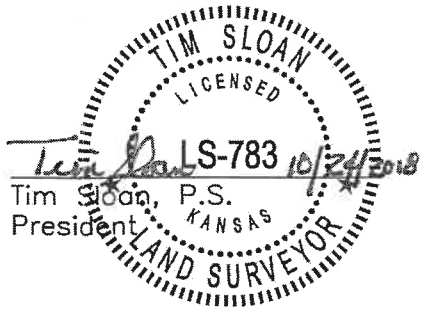
Walnut Street Station
City of Oskaloosa, Jefferson County, Kansas

Point	North Coordinate	East Coordinate	Distance SE Cor. North	From Sec. 33 West	* Elev. Top of Rim or PK Nail	Elev. Top of PVC Pipe	Latitude North	Longitude West
SE Cor. Sec. 33-T09S-R19E	40000	40000						
Well - M.W. - 1R	39895.18	34663.41	104.82 S.	5336.59	1112.72		39.21574	95.31099
Well - M.W. - 2	39844.18	34704.31	155.82 S.	5295.69	1116.11		39.21560	95.31084
Well - M.W. - 3	39920.05	34680.56	79.65 S.	5319.44	1111.60		39.21581	95.31093
Well - M.W. - 4R	39977.84	34706.76	22.16 S.	5293.24	1109.87		39.21597	95.31083
Well - M.W. - 5	39982.53	34806.90	17.47 S.	5193.10	1103.98		39.21643	95.31116
Well - M.W. - 6	39836.72	34584.31	163.28 S.	5415.69	1120.20		39.21558	95.31126
Well - M.W. - 7	39973.19	34635.54	26.81 S.	5364.46	1112.79		39.21596	95.31109
Well - M.W. - 18	40038.34	34915.30	38.34 S.	5084.70	1096.18	1095.72	39.21614	95.31010
Well - M.W. - 20	40243.39	34943.79	243.39 S.	5056.21	1090.93	1090.48	39.21670	95.31000
Well - M.W. - 21	40253.28	34860.21	253.28 S.	5139.79	1093.40	1093.12	39.21673	95.31030
Well - M.W. - 22	40319.63	34985.81	319.63 S.	5014.19	1086.51	1086.20	39.21691	95.30985
Well - M.W. - 23	40429.24	34877.23	429.24 S.	5122.77	1076.00	1076.50	39.21721	95.31024
Well - W.M.W. - 1	40074.39	34804.15	74.39 S.	5195.85	1100.94	1100.54	39.21624	95.31049
Well - W.M.W. - 2	40092.93	34836.15	92.93 S.	5163.85	1100.72	1100.40	39.21629	95.31038
Well - W.M.W. - 3	40047.75	34834.00	47.75 S.	5166.00	1101.14	1100.76	39.21616	95.31039
Well - W.M.W. - 4	40035.49	34791.45	35.49 S.	5208.55	1102.80	1102.56	39.21613	95.31054
Well - W.M.W. - 5	40144.38	34614.60	144.38 S.	5385.40	1102.91	1102.50	39.21643	95.31116
Well - W.M.W. - 6	40143.31	34795.77	143.31 S.	5204.23	1098.20	1097.77	39.21642	95.31052
Well - W.M.W. - 7	40165.89	34927.46	165.89 S.	5072.54	1094.02	1093.77	39.21649	95.31006
Well - W.M.W. - 8	40083.76	34915.62	83.76 S.	5084.38	1095.73	1095.20	39.21626	95.31010
Well - W.M.W. - 9	40215.72	34818.19	215.72 S.	5181.81	1094.40	1094.01	39.21662	95.31044
Well - W.M.W. - 10	39924.35	35022.45	75.65 S.	4977.55	1103.73	1103.43	39.21583	95.30972
Well - W.M.W. - 11	40086.96	35083.16	86.96 S.	4916.84	1085.95	1085.73	39.21627	95.30951
Well - W.M.W. - 12	40224.87	35024.69	224.87 S.	4975.31	1084.71	1084.44	39.21665	95.30971
Well - W.M.W. - 13	40341.03	34866.12	341.03 S.	5133.88	1084.90	1084.67	39.21697	95.31028
Well - W.M.W. - 14	40232.60	34686.71	232.60 S.	5313.29	1096.15	1095.74	39.21667	95.31091
Well - W.M.W. - 15	40324.01	35094.42	324.01 S.	4905.58	1075.68	1075.36	39.21692	95.30947
Well - W.M.W. - 16	40356.97	34675.69	356.97 S.	5324.31	1083.40	1083.01	39.21701	95.31095
Well - W.M.W. - 17	40485.70	34873.61	485.70 S.	5126.39	1073.31	1070.08	39.21737	95.31025
Well - E.C. - 1	40053.1	34789.9	53.1 S.	5210.1	GND 1101.8		39.21618	95.31054
Well - E.C. - 2	40105.4	34786.7	105.4 S.	5213.3	1100.1		39.21632	95.31055
Well - E.C. - 3	40078.8	34837.3	70.8 S.	5165.7	1101.0		39.21623	95.31038
Well - E.C. - 4	40106.5	38835.6	106.5 S.	5164.4	1100.8		39.21632	95.31038
Well - E.C. - 6	40054.0	34902.9	54.0 S.	5097.1	1097.3		39.21618	95.31014
Well - G.P. - 1	40062.5	34791.6	62.5 S.	5208.4	1104.5		39.21620	95.31054
Well - G.P. - 2	40058.1	34807.8	58.1 S.	5192.2	1101.2		39.21619	95.31048
Well - G.P. - 3	40103.8	34832.4	103.8 S.	5167.6	1100.8		39.21632	95.31039
Well - G.P. - 4	40079.6	34898.6	79.6 S.	5101.4	1097.3		39.21625	95.31016
Well - G.P. - 5	40041.6	34905.9	41.6 S.	5094.1	1097.0		39.21615	95.31013
Well - G.P. - 6	40053.9	34909.5	53.9 S.	5090.5	1096.6		39.21618	95.31012
Well - G.P. - 7	40101.0	34902.7	101.0 S.	5097.3	1096.7		39.21631	95.31014
Site B.M.	40091.49	34776.06	91.49 S.	5223.94	B.M. Elev. = 1101.40			

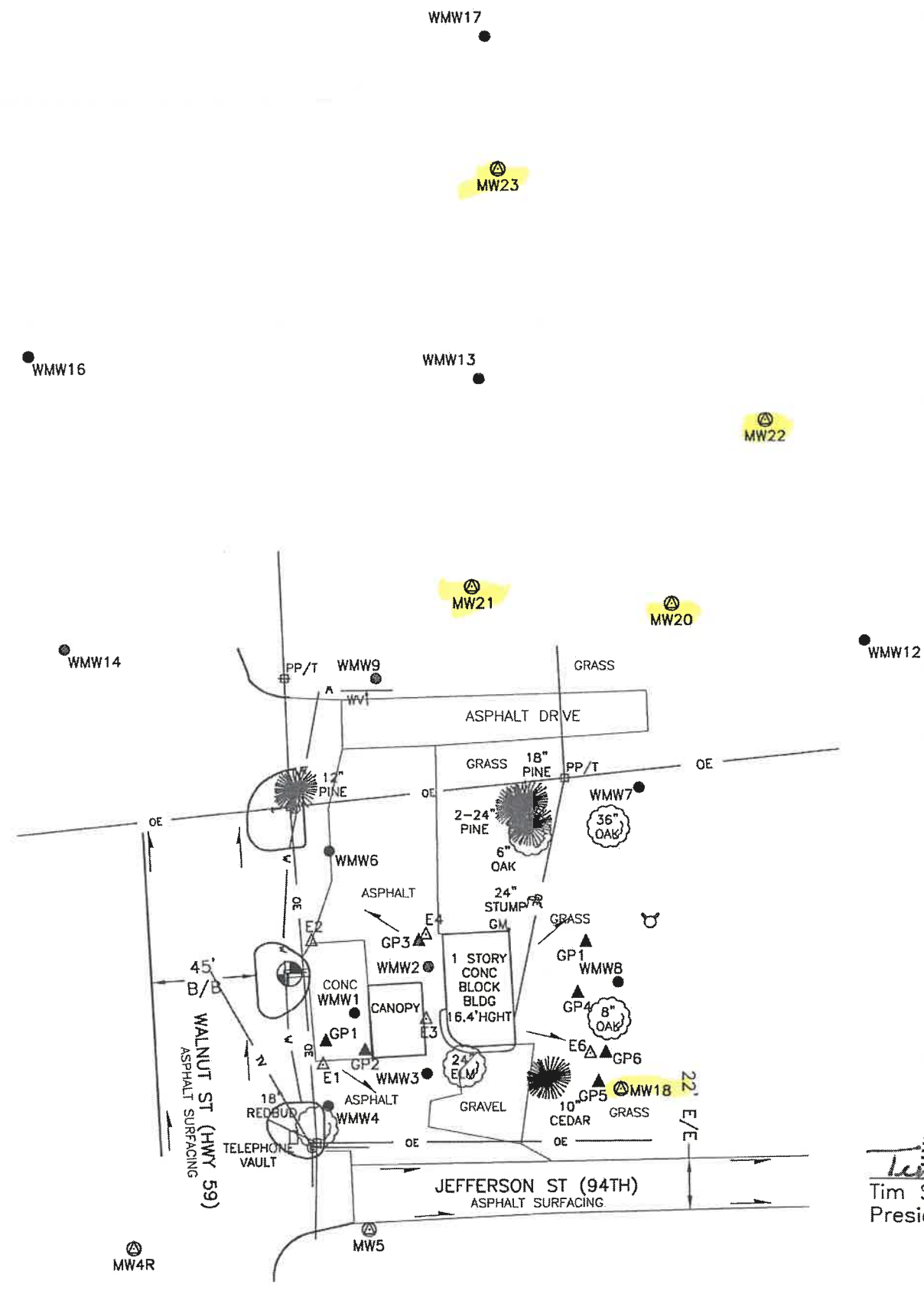
Description: " X " cut on top of southwest bolt of the southwest sign base at center of property.

LEGEND

- WMW1 ● MONITOR WELL LOCATION
- GP1 ▲ GEOPROBE BORING LOCATION
- E1 ▲ EC PROBE LOCATION
- ⊕ SITE BENCHMARK
- ⊕ POWER POLE
- PP/T ⊕ POWER POLE W/ TRANSFORMER
- DEADMAN ANCHOR
- ⊕ FIRE HYDRANT
- WV ● WATER VALVE
- GM ● GAS METER
- ⊕ TELEPHONE PEDESTAL
- ⊕ TELEPHONE POLE
- ⊕ CABLE TV POLE
- DRAINAGE DIRECTION
- OE OVERHEAD ELECTRIC LINE
- W WATER LINE
- TV OVERHEAD CABLE TV LINE
- ⊕ TREES



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Project #1810MN1286 DD #112



MW 6 (87' SOUTH) MW 1R (26' SOUTH) MW 3 (SOUTH) MW 2 (75' SOUTH)