

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

WMW9

Original Record Correction Change in Well Use

Well ID

1 LOCATION OF WATER WELL: County: Jefferson Fraction SW 1/4 SW 1/4 SW 1/4 SW 1/4 Section Number 33 Township Number T 9 S Range Number R 19 E W

2 WELL OWNER: Last Name: Edmonds First: Business: Walnut Street Station Address: 816 Cherokee St. City: Oskaloosa State: KS ZIP: 66066 Street or Rural Address where well is located: ~30' E & 5' N of the SE corner of Washington & Walnut, Oskaloosa, KS

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S 1 mile

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: 7.31 ft. below land surface, measured on (mo-day-yr) 7/16/15.

5 Latitude: 39.21662 (decimal degrees) Longitude: 94.31043 (decimal degrees) Horizontal Datum: WGS 84

6 Elevation: 1094.01 ft. Ground Level Land Survey GPS Topographic Map

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 5. Public Water Supply: well ID 6. Dewatering: how many wells? 7. Aquifer Recharge: well ID 8. Monitoring: well ID WMW9 9. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction 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 13. 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 -0.39 in. Weight lbs./ft. Wall thickness or gauge No. 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. GRAVEL PACK INTERVALS: From 3 ft. to 25.40 ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1' Grout Intervals: From 1 ft. to 3 ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? S Distance from well? ~150' f.

Table with 6 columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-0.3 Asphalt, 0.3-5 Mottled gray and tan clay, 5-16 Green clay, 16-24 Orange clay, 24-25.4 Gray shale

Notes: KDHE Site: Walnut Street Station; U4-044-14690

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) 7/15/15 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) 10/3/15 under the business name of Larsen & Associates. 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

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Well ID WMW9

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1 LOCATION OF WATER WELL: County: Jefferson	Fraction SW ¼ SW ¼ SW ¼ SW ¼	Section Number 33	Township Number T 9 S	Range Number R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
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2 WELL OWNER: Last Name: Edmonds Business: Walnut Street Station Address: 816 Cherokee St. Address: 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"/> ~30' E & 5' N of the SE corner of Washington & Walnut, Oskaloosa, KS
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3 LOCATE WELL WITH "X" IN SECTION BOX: N <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px;">-- NW --</td> <td style="border: 1px solid black; padding: 5px;">-- NE --</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">W</td> <td style="border: 1px solid black; padding: 5px;">E</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">-- SW --</td> <td style="border: 1px solid black; padding: 5px;">-- SE --</td> </tr> <tr> <td colspan="2" style="border: 1px solid black; padding: 5px;">S</td> </tr> </table> ----- mile -----	-- NW --	-- NE --	W	E	-- SW --	-- SE --	S		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:7.31..... ft. <input checked="" type="checkbox"/> below land surface, measured on (mo-day-yr) 7/16/15 <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:3.25..... in. to ft. and in. to ft.	5 Latitude:39.21662.....(decimal degrees) Longitude:94.31043.....(decimal degrees) Horizontal Datum: <input checked="" 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:
-- NW --	-- NE --									
W	E									
-- SW --	-- SE --									
S										
		6 Elevation: 1094.01ft. <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 2. Irrigation 3. Feedlot 4. Industrial	5. <input type="checkbox"/> Public Water Supply: well ID 6. <input type="checkbox"/> Dewatering: how many wells? 7. <input type="checkbox"/> Aquifer Recharge: well ID 8. <input checked="" type="checkbox"/> Monitoring: well ID WMW9 9. Environmental Remediation: well ID <input type="checkbox"/> Air Sparge <input type="checkbox"/> Soil Vapor Extraction <input type="checkbox"/> Recovery <input type="checkbox"/> Injection	10. <input type="checkbox"/> 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 13. <input type="checkbox"/> Other (specify):
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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 diameter2..... in. to5..... ft., Diameter in. to ft., Diameter in. to ft.
 Casing height above land surface0.39..... in. Weight lbs./ft. Wall thickness or gauge No.
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 25.40..... ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete: 0-1'
 Grout Intervals: From1..... ft. to3..... 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 Fuel Storage Abandoned Water Well
 Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well
 Other (Specify)
 Direction from well? S Distance from well? ~150' ft.

10 FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	0.3	Asphalt			
0.3	5	Mottled gray and tan clay			
5	16	Green clay			
16	24	Orange clay			
24	25.4	Gray shale			

Notes:
 KDHE Site: Walnut Street Station; U4-044-14690

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) 7/15/15..... 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) 10/3/15..... under the business name of Larsen & Associates..... 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

DENNIS L HANDKE

1820 NW 59th Terrace
TOPEKA, KANSAS 66618
785-286-4047 Home
785-286-1990 Fax

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

July 31, 2015

RE: Monitor Well Elevation Survey
503 Walnut St., Oskaloosa, Kansas

Proj. 15-00DD
Walnut Street Station
U4-044-14690

Bench Mark: Chised x on top of SW bolt of the SW sign base at West center of property.
Elev: 1101.40 North 91 West 5224 (from SE Cor. Sec. 33-9-19E)

MW-1	rim	1100.94	North	74	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1100.54	West	5195	Lat= 39.21623 Long = 95.31048
MW-2	rim	1100.72	North	92	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1100.40	West	5163	Lat= 39.21628 Long = 94.31037
MW-3	rim	1101.14	North	47	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1100.76	West	5165	Lat= 39.21616 Long = 94.31038
MW-4	rim	1102.80	North	35	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1102.56	West	5208	Lat= 39.21613 Long = 94.31053
MW-5	rim	1102.91	North	144	SE1/4,SE1/4,SE1/4,SE1/4 (Sec. 32-9-19)
	top pipe	1102.50	West	5385	Lat= 39.21642 Long = 95.31115
MW-6	rim	1098.20	North	142	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1097.77	West	5204	Lat= 39.21642 Long = 94.31051
MW-7	rim	1094.02	North	165	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1093.77	West	5072	Lat= 39.21648 Long = 94.31005
MW-8	rim	1095.73	North	83	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1095.20	West	5084	Lat= 39.21626 Long = 94.31009
MW-9	rim	1094.40	North	215	SW1/4,SW1/4,SW1/4,SW1/4
	top pipe	1094.01	West	5181	Lat= 39.21662 Long = 94.31043

Lat & Long derived Oskaloosa 7.5' quad map. WGS84

Elevation established from NGS BM C123 Reset.

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

