WATER WELL RE	CORD Form	WWC-5		vision of Water		8WMW
Original Record		e in Well Use	Res	ources App. No.		Well ID
1 LOCATION OF WA	TER WELL:	Fraction	4	tion Number	Township Numb	
County: Jefferson		SW 1/4 SW 1/4 SW 1/4		33	T 9 S	R 19 ■ E □ W
2 WELL OWNER: Last		First:				(if unknown, distance and
Business: Walnut Stre Address: 816 Cheroke					,	r's address, check here:
Address: 810 Cheroki	ee St.	,	~120' E & 1	100' S of the S	SE corner of Wash	nington & Walnut,
City: Oskaloosa	State: KS	ZIP: 66066	Oskaloosa,	KS		
2 TOGATET WELL	4 DEPTH OF COM	IDI ETEN WELL.	25.01 e	f I atitud	39 2162	6(decimal degrees)
WITH A IN	Depth(s) Groundwater 1			Lancitu	e	(decimal degrees)
SECTION BOX:		3) ft., or 4)		Horizont	al Datum: WGS &	4 NAD 83 NAD 27
N	WELL'S STATIC WA				or Latitude/Longitude	
	below land surface	measured on (mo-day-	yr)7/16/15.	GPS		· )
	above land surface,	measured on (mo-day-	yr)		(WAAS enabled?	
	Pump test data: Well w				d Survey 🔲 Topogra	
W		pumping		☐ Onli	ne Mapper:	
SW SE		vater was f pumping f			· · · · · · · · · · · · · · · · · · ·	
	Estimated Yield:		gpin	6 Elevation	n: 1095.20 ft.	.   Ground Level  TOC
	Bore Hole Diameter:		ft. and	Source:	Land Survey 🔲	GPS  Topographic Map
mile		in. to		]	☐ Other	
7 WELL WATER TO B			W. 471			
1. Domestic:	5. 🔲 Public Wa	ter Supply: well ID		10. 🔲 Oil F	ield Water Supply: le	ease
☐ Household		g: how many wells?			le: well ID	
☐ Lawn & Garden	7. Aquifer Re	echarge: well ID	\ <b>\</b> \ <b>\</b> \8		d □ Uncased □ (	
Livestock		g: well ID WN			mal: how many bores	
2. ☐ Irrigation 3. ☐ Feedlot	9. Environmenta	al Remediation: well III			ed Loop  Horizont	scharge Inj. of Water
4. Industrial	☐ Recovery		xtraction			scharge mj. of water
Was a chemical/bacteriol		itted to KDHE!	Yes No	if yes, date s	ampie was submitte	d:
Water well disinfected?		2.50.4	CADE	NO IODITO: 1	7.01 - 1.173.01	1 T T 11 ) F M
8 TYPE OF CASING US Casing diameter2	SED: $\square$ Steel $\blacksquare$ PV	Diameter	CASII	NG JUINTS: [	_ Glued _ Clamped	l ∐ Welded ■ Threaded
Casing height above land surf	face -0.53 in	Weight	III. 10	Wall thickne	ss or gauge No	IL.
TYPE OF SCREEN OR P			103./11.			
Steel Stainles				☐ Other	(Specify)	RECTED
☐ Brass ☐ Galvani			sed (open hole	=)	) ( h	CRIOTE IN
SCREEN OR PERFORAT	TION OPENINGS AI	Œ:	-			WILLIED
		uze Wrapped 🔲 To:	rch Cut 🔲 I	rilled Holes [	Other (Specify)	
Louvered Shutter	] Key Punched 🔲 W	ire Wrapped 🔲 Say	v Cut 🔲 N	lone (Open Hole	e)	
SCREEN-PERFORATED	INTERVALS: From	.5,01 ft. to .25.01	ft., From .	ft. to	ft., From	ft. to ft.
GRAVEL PACK INTERVALS: From3 ft. to ft., From ft., From ft., From ft. o ft.						
9 GROUT MATERIAL: ☐ Neat cement ☐ Cement grout ■ Bentonite ■ Other Concrete: 0-1						
Grout Intervals: From						
Nearest source of possible contamination:         □ Septic Tank       □ Lateral Lines       □ Pit Privy       □ Livestock Pens       □ Insecticide Storage						
☐ Septic Tank ☐ Sewer Lines	☐ Cess Pool	□ Pit Privy □ Sewage Lag		Fuel Storage		oned Water Well
☐ Watertight Sewer Lines		☐ Feedyard		Fertilizer Storage		Il/Gas Well
Other (Specify)						
Direction from well? .W		Distance from we	11? <u>~100'</u>	· · · · · · · · · · · · · · · · · · ·	ft.	
10 FROM TO	LITHOLOG	IC LOG	FROM	TO LI	THO. LOG (cont.) or	PLUGGING INTERVALS
	soil & grass					
	ttled gray and tan c					
5 6 <b>M</b> ot	ttled gray and tan c	ay w/ caliche				
	ngers					
6 25.51 <b>M</b> ed	dium to coarse gree	en sand w/ cobbles				
			Notes:			<del></del>
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 taswiedge and belief.						
under my jurisdiction and v	was completed on (mo	o-day-year) .//lb/.]b	and 1	this record is ti	ue to the best of m	knowledge and belief.
under the business name of	Kansas Water Well Contractor's License No. 757 This Water Well Record was completed on (mo-day-year) .10/3/15under the business name of Larsen & Associates					
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						

LOCATION OF WATER WELL:   Special County-offerson   System Swy							WMW8	
Country Jefferson   SW K SW							Well ID	
Street or Kurral Address where well is located (if suknown, disusee and function from nearest war entirection); if it owner's address where well is located (if suknown, disusee and Address 816 Cherokee St. Address 816 C		ATER WELL:		1				
Bausses Walnut Street Station   direction from nearest town or interaction). If all owner's address. check here:   Address Address   Add			SW 1/4 SW 1/4 SW 1/4					
Address: Oskaloosa   Sale: KS   ZP 68066   Oskaloosa   KS   Oskaloosa   KS	2 WELL OWNER: Last Name: Edmonds First: Street or Rural Address where well is located (if unknown, distance and						-	
Address   City   Oskaloosa   Saate KS   ZiP 66066   Oskaloosa   Sake KS   Sake CS   Oskaloosa   Sake KS				direction from	nearest town or int	ersection): If at owner	r's address, check here: 🔲	
State: Oskaloosa State: NS ZIP 68066   Oskaloosa KS   Oskaloosa KS		kee St.		~120' E & 1	-120' E. 8. 100' S. of the SE corner of Machinaton 8. Malnut			
3 LOCATE WELL WITH Y'S IN SECTION BOX: N		State: VC				L COME OF VVGS	migion a valitat,	
**SECTION BOX:**  **N								
Depth/s Groundwater Encountered: 1)		4 DEPTH OF COM	IPLETED WELL: .	25.01 f	t. 5 Latitude	39.2162	.6 (decimal degrees)	
2) ft. 3) ft. or 4  Dp; Well   Well Vist StartIC WATER LEVEL		Depth(s) Groundwater	Encountered: 1)	ft.				
WELL'S STATIC WATER LEVEL								
NNV - NE -		WELL'S STATIC WA	TER LEVEL:4.(	).3 ft.	Source for Latitude/Longitude:			
Purp lest data: Well water was   ft after   hours pumping gpm   Gohine Mapper   Topographic Map   Topographic		below land surface	, measured on (mo-day-	yr)7/16/15	GPS			
Pump test data: Well water was	NW NE					(WAAS enabled?	Yes No)	
Well water was		Pump test data: Well v	vater was f	t.				
Well water was   finater   Section	W E	after hours	s pumping	gpm				
Similarial Vield:   gmm   gm	011	l .						
Source   Land Survey   GPS   Topographic Map   Other   Other	SW   SE	after hour	s pumping	gpm	6 Florestic	1095.20 _	□ C111 ■ TOC	
mile		1	~ ~~ <u>~</u>					
Next   Well Water To Be Used As:   Domestic:   Some Public Water Supply: well ID	_							
Domestic   Household   G   Dewater Supply: well ID   G   G   G   G   G   G   G   G   G			in. to	ft.			***************************************	
Double   D					_			
Lawn & Garden								
Livestock   S								
2   Irrigation   S. Environmental Remediation: well ID		7.  Aquifer R	echarge: well ID	1\0/8				
Air Sparge	1 <del>-</del>							
Grovery   Injection   13.   Other (specify):		_						
Water well disinfected?   Yes				Extraction				
Water well disinfected?   Yes   Noe   Noe   Notes:   No   Notes:   Noe   Noe   Notes:   Note   Notes:   Note   Notes:   Note   Note   Notes:   Note   Notes:   Note   Notes:   Note   Note   Notes:   Note   Note   Note   Note   Notes:   Note	4. Industrial	☐ Recovery	☐ Injection		13. ∐ Other	(specify):		
STYPE OF CASING USED:   Steel   PVC   Other   CASING JOINTS:   Glued   Clamped   Welded   Threaded Casing diameter   2	Was a chemical/bacteri	ological sample subm	itted to KDHE?	Yes No	If yes, date sa	imple was submitte	:d:	
STYPE OF CASING USED:   Steel   PVC   Other   CASING JOINTS:   Glued   Clamped   Welded   Threaded Casing diameter   2	Water well disinfected?	☐ Yes ■ No				-		
Casing diameter 2, in to	8 TYPE OF CASING	USED: ☐ Steel ■ PV	C □ Other	CASI	NG JOINTS: [	Glued Clamped	□ Welded ■ Threaded	
TYPE OF SCREEN OR PERFORATION MATERIAL:    Steel   Stainless Steel   Fiberglass   PVC   Other (Specify)   Stainless Steel   Concrete tile   None used (open hole)	Casing diameter2	in. to 5.01 ft	Diameter	in. to	ft., Diamete	r in. to	ft.	
TYPE OF SCREEN OR PERFORATION MATERIAL:    Steel   Stainless Steel   Fiberglass   PVC   Other (Specify)   Stainless Steel   Concrete tile   None used (open hole)	Casing height above land si	ırface -0.53 in	. Weight	lbs./ft.	Wall thicknes	ss or gauge No		
Steel   Stainless Steel   Fiberglass   PVC   Other (Specify)	TYPE OF SCREEN OR	PERFORATION MA	ΓERIAL:			5 0		
Brass   Galvanized Steel   Concrete tile   None used (open hole)					Other	(Specify)		
SCREEN OR PERFORATION OPENINGS ARE:    Continuous Siot				sed (open hol	e)			
Continuous Slot	SCREEN OR PERFORA	TION OPENINGS A						
Louvered Shutter   Key Punched   Wire Wirapped   Saw Cut   None (Open Hole)   SCREEN-PERFORATED INTERVALS: From . 5.01. ft. to . 25.01. ft. From . ft. to ft.	1			rch Cut 🔲 I	Orilled Holes	Other (Specify)		
SCREEN-PERFORATED INTERVALS: From .5.01. ft. to .25.51. ft., From ft. to ft., From f	☐ Louvered Shutter							
GRAVEL PACK INTERVALS: From 3 ft. to .25.51 ft. From ft. to ft. Grout Intervals: From ft. to ft.	SCREEN-PERFORATE	D INTERVALS: From	. 5.01 ft. to .25.01	ft., From	ft. to	ft., From	ft. to ft.	
9 GROUT MATERIAL:	GRAVEL PAC	K INTERVALS: From	1 3 ft. to 25.5.	1 ft., From	ft. to	ft., From	ft. to ft.	
Grout Intervals: From 1 ft. to 3 ft., From ft. to ft., From ft. to ft. Nearest source of possible contamination:    Septic Tank	9 GROUT MATERIAL	L: Neat cement	Cement grout Be	ntonite 🔳 (	Other Concrete	: 0-1'		
Nearest source of possible contamination:   Septic Tank	Grout Intervals: From	1 ft. to . 3	. ft., From	ft. to	ft., From	ft. to	ft.	
Septic Tank					,			
Sewer Lines	-		s Pit Privy		Livestock Pens	☐ Insection	cide Storage	
Other (Specify) Direction from well? W. Distance from well? ~100'. ft.  10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS  0.2 Topsoil & grass 0.2 5 Mottled gray and tan clay 5 6 Mottled gray and tan clay w/ caliche 5 stringers 6 25.51 Medium to coarse green sand w/ cobbles  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		Cess Pool	☐ Sewage Lag	goon	Fuel Storage		oned Water Well	
Direction from well? .W. Distance from well? ~100'. ft.  10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS  0 0.2 Topsoil & grass  0.2 5 Mottled gray and tan clay  5 6 Mottled gray and tan clay w/ caliche  stringers  6 25.51 Medium to coarse green sand w/ cobbles  Notes:  KDHE Site: Walnut Street Station; U4-044-14690  11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, □ recenstructed, or □ plugged under my jurisdiction and was completed on (mo-day-year) .7/15/15	☐ Watertight Sewer Line	es 🔲 Seepage Pit	☐ Feedyard		Fertilizer Storag	e 🔲 Oil We	Il/Gas Well	
TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS  0. 0.2 Topsoil & grass 0.2 5 Mottled gray and tan clay 6 6 Mottled gray and tan clay w/ caliche 8 stringers 6 25.51 Medium to coarse green sand w/ cobbles  Notes:  KDHE Site: Walnut Street Station; U4-044-14690  11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, or plugged under my jurisdiction and was completed on (mo-day-year). 7/.15/.15	☐ Other (Specify)							
0.2   Topsoil & grass   0.2   5   Mottled gray and tan clay   5   6   Mottled gray and tan clay w/ caliche   5   stringers   6   25.51   Medium to coarse green sand w/ cobbles      Notes:	Direction from well? . W		Distance from we	:II? .~100'				
Mottled gray and tan clay  Mottled gray and tan clay w/ caliche stringers  Medium to coarse green sand w/ cobbles  Notes:  KDHE Site: Walnut Street Station; U4-044-14690  Notes:  KDHE Site: Walnut Street Station; U4-044-14690  In 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			GIC LOG	FROM	TO LI	THO. LOG (cont.) or	PLUGGING INTERVALS	
Mottled gray and tan clay w/ caliche   stringers								
Mottled gray and tan clay w/ caliche   stringers	0.2 5 M	ottled gray and tan o	lay					
Stringers   Stri								
Notes:  KDHE Site: Walnut Street Station; U4-044-14690  11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, or plugged under my jurisdiction and was completed on (mo-day-year) .7/15/15	<del></del>		t man					
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								
KDHE Site: Walnut Street Station; U4-044-14690	20.01	carain to coarse gre	on dana wi copples					
KDHE Site: Walnut Street Station; U4-044-14690				Notes				
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								
under my jurisdiction and was completed on (mo-day-year) .7/15/.15	KDHE Site: Walnut Street Station; U4-044-14690							
under my jurisdiction and was completed on (mo-day-year) .7/15/.15	11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION. This waster well was a construction of the construction of t							
Kansas Water Well Contractor's License No. 757								
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 Buleau 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 record. Telephone 785-296-5524.	Warses Water Well Carte	was completed on (m	o-day-year) .//.ta/.ta 57 This Wa	ter Well Doo	uns record is tr	ated on (the state of my	F Knowledge and belief.	
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 record. Telephone 785-296-5524.	under the business name	of Jarsen & Associa	≈ illis wa	C:	onature	cica ou (into may ye	at jacol. U	
1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Mail one to Water Well Owner and retain one for your record. Telephone 785-296-5524.	Mail I white convisions	with a fee of \$5.00 for each	constructed well to: Kan	sas Denartment	of Health and Env	ironment Ruleau of Wa	ater GWTS Section	
Visit us at http://www.kdheks.gov/waterwell/index.html  KSA 82a-1212  Revised 7/10/2015								
	Visit us at http://www.kdheks.g	ov/waterwell/index.html	The state of the to the	KSA 82a-12	12	A Company	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. 25<sup>th</sup> 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 33-9-19)

Elev: 1	101.40	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	53 <b>8</b> 5	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 the ary questions, please feel free to call me. Thank you for the opportunity to be

Lennis L LSn786RI

w Y N