WAT	ER WEL			Form W					sion of Water irces App. No		1	Well ID	MW3	
<u>ـــا</u> ــ	Original Reco	<u> </u>	X Correctio		in Well Ust			1,0301			Township Num		Number	
1	LOCATIO County Ly	N OF W	ALEK WE	LL:	Fraction NW 1/2	NW ¼	NW ¼	SE ¼		noei	T 19		I X E W	
	WELL OW		ast Name: Si	nepard	First: Jim		, 			well is	s located (if unki	<u>`</u>		
1	Business: S			p-: -			1				If at owner's ad-	•		
	Address: 11	02 Comm	nercial				1102 Cor	nmercial, E	mporia, KS					
1	Address:	- .	•	Deca IZE	71D.		İ							
	City LOCATE W	Emp	OFIA 4	State: KS DEPTH OF CO	ZIP: DMPLETED	WELL:	45.5	fi	5 Latitud	e:	38.411	27 (de	ecimal degrees)	
1	WITH "X"		1 1	th(s) Groundwater	Encountered	1)		fi fi	Longitu	a.	96.179		ecimal degrees)	
1	SECTION B		2)ft :	3) f t,	or 4)	Dry Well		Horizon			4 NAD	83 NAD 27	
	WELL'S STATIC WATER LEVEL: 37.97 X below land surface, measured on (mo-day-yr)							.		Source for Latitude/Longitude: GPS (unit make/model: (Water State of the Company of the Compan				
	NW NE above land surface, measured on (mo-day-y									(WAAS enabled? Yes No) X Land Survey Topographic Map				
	1	1		•						Online Mapper				
w	after hours pumping gpm X E after hours pumping gpm Water well was ft													
	٠	r=		after h	ours pumping		gpm		6 Elevation 1162.57 ft Ground Level X TOC					
	sw	_ SE -	E:	stimated Yield:	gpm				Source				Topographic Mar	
l L	Bore Hole Diamete			ore Hole Diameter	er: 7.25 in to ft, an in to ft			nd Other						
	\$				***************************************	in to	ft							
	WELL WA			S:										
l '	mestic:	LIC IU		Public Water S	upply: well ID			1	0 Oil Fiel	d Wai	ter Supply: lease			
_	Household			Dewatering: he				1	1 Test Hole: v	vell II				
	Lawn & Gar	den		Aquifer Rechar	ge: well ID			Cased Uncased Geotechnical					al	
	Livestock		_	Monitoring: w					2 Geothermal:					
2	Irrigation		9 E	nvironmental Rem			_4:		a) Closed Loop Horizontal Ventical b) Open Loop Surface Discharge Inj. of Water					
3	Feedlot		<u>_</u>	Air Sparge	==	apor Extra	ictior		b) Open Lo	•	£1):		٠ .	
4	Industrial			Recovery	Injection	<u>. </u>			Omer (ьресп	y)			
				submitted to K	DHE?	Yes X	No	If yes, da	te sample was	subm	itted:	***********************	***************************************	
	well disinfecte		Yes X N											
8	TYPE OF C	ASING	USED:	Steel X PVC	Other		C	ASING JO	NTS:(Hued	Clampled [Welded_	X Threaded	
Casing	g diameter g height above	2	ın. to <u></u> faceO	. <u>5 n,</u> Dian 35 in. V	neter Veight	m.	lolhs /f		thickness or p	e ì	in to	1i,		
				ION MATERIA							***************************************			
	_	Stainle		Fiberglass	X PV	С			Other (Specify)				
ıH	Brass	=	ized Steel	Concrete til	_	ne used (o)	pen hole)				<u></u>			
SCRE				NINGS ARE:										
	Continuous !	Siot	X Mill Slot	Gau	ze Wrapped	T	orch Cut	Drill	ed Holes		Other (Specify)		
	Louvered Sh	utter [Key Pun	ched 🔲 Wir	e Wrapped		aw Cut		(Open Hole)					
SCRE	EN-PERFOR	ATED I	NTERVALS	From 30.5	ft. to	15.5 ft,	From	ft	. to	ft,	From	ft. to	fi,	
	GRAVEL F	ACK IN	ITERVALS	From 28	ft. to						From	ft. to	ft,	
9 GR	ROUT MAT	ERIAL:			Cement grout		entonite		Concrete: 0			***********		
ļ	intervals: !		0.5 ft. to		From	ft. to	***************************************	ft, Fro	m1	t. to	ft,			
Neare	st source of	possible	contami <u>na</u>	_				—				_		
ΙЩ	Septic Tank		_	Lateral Lines		Privy		==	stock Pens		Insecticide	_		
▎႘	Sewer Lines			Cess Pool	=	wage Lago	oon		Storage		Oil Well /	i Water Weli		
	Watertight S		es	Seepage Pit	Fee	edyard		reni	lizer Storage		L Oil Well/	Oas Well		
Direction	Other (Speci on from well?	~ ************			Dis	tance fron	 well? ~	60			fi			
		ro	-15-/1111-147-177-1	LITHOL (OGIC LOG			FROM	ТО	·····	LITHO, LOG (co	nt) or PI 11೧೧೨	NG INTERVALS	
10 FE			Gravel	Zi I II OZI	, U.O. LOO			1 10141		_		, 0, 1 5000	JITZEK FALS	
0.			Silty clay											
20			Clavey silt	/ -1					 	+				
30	6 4	5.5	Clayey silt w	chen gravel						+	· · · · · · · · · · · · · · · · · · ·			
										+			-	
							1	otes: KDI	IE ID: S&S (il - D	owntown; U3-05	6-14869		
	Target of monitoring well is shallow groundwater, <20' of grout was installed at								was installed at					
the direction of KDHE.														
CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was X constructed. reconstructed, or constructed, or constructed and constructed an														
	sdiction and v ense No	vas comp 757	юю (то- Ті	nis Water Well Re						(""	Joines V	- 470, WOOLCO	mactol 5	
1	er the busines	s name o	Larsen &	Associates, inc.					Signature					
	Ma	il white	copy along wit	h a fee of \$5.00 for	each constructe	d well to. K	ansas Depa	rtment of He	alth and Enviro	nment.	Bureau of Water,	GWTS Section	l	
				e 420, Topeka, Kan	sas 66612-1367			ell Owner an	d retain one for	vour r	ecords. Telephone		3.811020015	
1 . '	Visit us at http:	//www.kdi	neks.gov/water	well/index.html		8 A2 <i>A</i>	2a-1212					Revise	d 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 March 30, 2017

RE: Monitor Well Elevation Survey 1102 Commercial, Emporia, Kansas Proj. 17-00M S & S Oil - Downtown U3-056-14869

Bench M Elev: 11		d Square on So North 2297		r of concr t 2586	rete pump island West of the building. (from SE Cor. Sec. 10-19-11E)
MW-1	rim	1162.46	North	2266	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1162.19	West	2566	Lat= 38.41122 Long = 96.17985
MW-2	rim	1162.60	North	2306	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1162.35	West	2592	Lat= 38.41133 Long = 96.17994
MW-3	rim	1162.92	North	22 8 4	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1162.57	West	2470	Lat= 38.41127 Long = 96.17952
MW-4	rim	1163.69	North	2425	NW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1163.41	West	2507	Lat= 38.41165 Long = 96.17964
MW-5	rim	1160.52	North	2199	SW1/4,NW1/4,NW1/4,SE1/4
	top pipe	1160.27	West	2551	Lat= 38.41103 Long = 96.17980
MW-6	rim	1160.53	North	2168	SE1/4,NE1/4,NE1/4,SW1/4
	top pipe	1160.23	West	2700	Lat= 38. 41095 Long = 96.18032
MW-7	rim	1161.57	North	2328	NE1/4,NE1/4,NE1/4,SW1/4
	top pipe	1161.26	West	2680	Lat= 38. 41139 Long = 96.18025

Lat & Long derived existing Emporia 7.5' quad map. WGS 84.

Elevation established from USGS BM V222 NAVD 83.

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

Donnis L Handke RES

RECEIVED

MAY 30 2017

BUREAU OF WATER