WAT	ER WE			Form WW				_		ion of Water		W-11 7D	MW5		
كيے	Original Re		X Correction	Change in				K	sour	ces App. No.		Well ID			
			WATER WELL	:	Fraction SW 1/4	NIW 1/	NIW	¼ SE	17	Section Numb	er Township Nur T 19		Number		
		Lyon		<u>,</u>		NW %	•			<u> </u>		<u>.</u>			
1			Last Name: Shepa	rd	First: Jim		1	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:							
1										f 1102 Commercial, Emporia, KS					
	Address:	1102 00								,,,	-,				
	City	Em			ZIP:				,						
1	LOCATE		4 DI	EPTH OF COM	APLETED '	WELL:	45	ft	5		38.41		cimal degrees)		
1	WITH "X		Depth(s)	Groundwater E	ncountered:	سم (1	Jp. 17		İ	Longitude	***************************************		ecimal degrees) 83 NAD 27		
2	SECTION N			2) ft 3) ft, or 4) Dry W WELL'S STATIC WATER LEVEL: 35.7						Horizontal Source for	Latitude/Longitude		83 MAD 27		
	<u> </u>			X below land surface, measured on (mo-day-yr)					,		unit make/model:	:)		
	'	1		above land surface, measured on (mo-day-yr)						_	AAS enabled?	Yes No)		
	NW -	— NE		Pump test data: Well water was ft							Survey Topog		ĺ		
w				after hours pumping gpm											
		x }	-	Water well was fi											
	sw	SE		erhou			врг	n	6		1160.27 ft				
				Estimated Yield: gpm				Source X Land Survey GPS Topographic				Topographic Mar			
L			Bore F	Bore Hole Diameter: 7.25 in to ft, a in to ft				and			Other	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
t	S	ile				11 to	Il								
7 WELL WATER TO BE USED AS:															
1 Dom				ıblic Water Sup	ply: well ID				10	Oil Field	Water Supply: leas	e			
	Household			6 Dewatering: how many wells?					11 Test Hole: well ID						
	Lawn & Garden			7 Aquifer Recharge: well ID					Cased Uncased Geotechnical						
	Livestock			onitoring: well						Geothermal: Ho		_			
_	Irrigation			Environmental Remediation: well ID						a) Closed Loc	· ===	l Vertic			
	3 Feediot			Air Sparge Soil Vapor Extraction					r	b) Open Loop		ischarge			
4	Industrial		R	covery	Injectio	n			L	Other (spe	city):				
Wasa	chemical/h	acter <u>iol</u> c	gical sample sub	mitted to KDH	IE?	Yes 🗓]No	If yes,	date	sample was su	bmitted:				
Water w	ell disinfec	ted?	Yes X No									<u>.</u>			
				el 🗓 PVC [Other			CASING.	OIN	ITS: Glu	ied Clampled	Welded	X Threaded		
			in. to 30	ft, Diamet	er	ın.	to	ft,		Diameter	in, to	fì,			
	height abo		rface -0.45 PERFORATION				IDS.	/II. W	eu th	ickness or gaug	ge No	***************************************			
_	_	_	_	Fiberglass	X PVC	,			ا م	har (C-aaifa)					
	Brass [=	ess Steel nized Steel	Concrete tile	Non		nen hole)	、	JOI	her (Specify)					
	_	_	TION OPENING		INOI	c usea (o	pen noic,	,							
_	Continuous		X Mill Slot	Gauze	Wranned	Пт	orch Cut		rilled	Holes	Other (Specify	a)			
:=			Key Punched		• •		aw Cut	=		Open Hole)	Outer (Bpeen)	0			
			INTERVALS: F	_						-	ft, From	ft. to	ft.		
			NTERVALS: F			15 fi,	From		fì.	to	fi, From	ft. to			
	OUT MAT				nent grout		ntonite		ner	Concrete: 0-0.		********			
	ntervals:			28 ft, Fr	_	ft. to		ft, F	tom	ft.	to ft,		***************************************		
		*******	e contamination	***************************************			***************************************	, 1							
_	Septic Tank	•		teral Lines	☐ Pit I	Privy		∏ Li	vesto	ock Pens	Insecticide	Storage			
	Sewer Line		_	Cess Pool Sewage Lagoon					Livestock Pens Insecticide X Fuel Storage Abandone						
	Watertight			epage Pit	=	dvard		_		er Storage	Oil Well /				
	Other (Spec			1-6		y						// VII			
	n from well				Dista	ince from	well?	~70			fi				
10 FR		то		LITHOLOG	IC LOG		i	FROM		TO	LITHO, LOG (co	nt.) or PLUGGIN	IG INTERVALS		
0		0.4	Concrete									, 5. 1 200011	- LILLAN FALLS		
0.4		17	Silty clay												
17		17.5	Chert gravel												
17.5 19	$\overline{}$	24	Silty clay Silty clay w/ chert	maye!					\dashv						
24		38.5	Clavev silt	FIGACI	*				+				<u></u>		
38.5	-	45	Clayey silt w/ cher	t grave!				Notes: KI	OHE	ID: S&S Oil-	- Downtown; U3-0:	56-14869	 		
Target of monitoring well is shallow groundwater, <20' of											was installed at				
								the direction		KDHE.					
			OR LANDOWNE							istructed,	reconstructed, or	Pluned	under my		
			oleted on (mo-day-y								nd belief. Kansas	Vater Well Con	tractor's		
	rse No	757 ss name o	of Larsen & Asso	ater Well Recor				41434	***********	Signature					
unuc					h constructed				******		ent, Bureau of Water.	GWTS Section			
											ir records. Telephone		•		
. Vi			heks.gov/waterwell/ii				2a-1212						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 Mark: Chisled Square on South center of concrete pump island West of the building. Elev: 1163.12 North 2297 West 2586 (from SE Cor. Sec. 10-19-11E) 2266 MW-1 1162.46 North NW1/4,NW1/4,NW1/4,SE1/4 rim 1162.19 West 2566 Lat= 38.41122 Long = 96.17985top pipe MW-2 1162.60 North 2306 NW1/4,NW1/4,NW1/4,SE1/4 rim top pipe 1162.35 West 2592 Lat= 38.41133 Long = 96.17994MW-3 1162.92 North 2284 NW1/4,NW1/4,NW1/4,SE1/4 гim top pipe 1162.57 West 2470 Lat= 38.41127 Long = 96.17952MW-4 2425 1163.69 North NW1/4,NW1/4,NW1/4,SE1/4 rim 1163.41 West 2507 Lat= 38.41165 Long = 96.17964top pipe MW-51160.52 North 2199 SW1/4,NW1/4,NW1/4,SE1/4 rim West top pipe 1160.27 2551 Lat= 38.41103 Long = 96.17980MW-6 rim 1160.53 North 2168 SE1/4,NE1/4,NE1/4,SW1/4 2700 1160.23 West Lat= 38. 41095 Long = 96.18032 top pipe MW-7 rim 1161.57 North 2328 NE1/4,NE1/4,NE1/4,SW1/4 Lat= 38.41139 Long = 96.18025West 2680 top pipe 1161.26

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 R. S.

RECEIVED

MAY 30 2017

BUREAU OF WATER