	ATER WELL RECORD Form WWC-5				Division of Water							
	inal Record	Correction	Change in	Well Ust		Resou	irces App. No.		Well ID	MW1R		
		WATER WELL	:	Fraction	CW / 1/	CE I/	1	er Township Nun T 10		Number 12 X E W		
Coun				NE ¼ NW ¼								
1	WELL OWNER: Last Name: Zapp Business: St. Mary's Oil 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	ess: 114 E. Be							,	,			
Addre			***									
3 LOC	St. ATE WELL			ZIP: 66536 MPLETED WELL:	43.25	ft [5 Latitude:	39.191	08 (de	ecimal degrees)		
	H "X" IN	Depth(s	Groundwater E	incountered: 1)	73.23	ft	Longitude	***************************************	26 (de	ecimal degrees)		
SEC	TION BOX:	2)	ft 3)	ft, or 4)	Dry Well	Well Horizontal Datum: WGS 84 NAD 83 NAD 27						
	N	WELL'S	STATIC WAT	ER LEVEL: 29	.55 ft.	ft. Source for Latitude/Longitude:						
				ce, measured on (mo-d				unit make/model:	Yes No)		
- NW	NE NE			ce, measured on (mo-d water was								
w				irs pumping								
"		[]	Wa	ter well was	ft	ļ						
sw	SE SE			ers pumping	gpm	1 '	6 Elevation	***************************************	Ground L			
	x Estimated Yield:				7.25 in toft, and			Source X Land Survey GPS Topographic Map Other				
	S	Bole	Tole Diameter.	in to	ft	"	<u> </u>] Other	***************************************			
	1 mile											
) BE USED AS:	uhlia Watan Cum	-hu well ID		16	Oil Field	Water Supply: lease	•			
1 Domestic			ublic Water Sup ewatering: how				Test Hole: we					
_	& Garden		quifer Recharge			Cased Uncased Geotechnical						
Lives			lonitoring: well			- 1	2 Geothermal: H	ow many bores?				
2 lrriga	tion	9 Enviro	onmental Remed					op Horizonta				
3 Feedl		==	ir Sparge	Soil Vapor Extrac	etior	b) Open Loop Surface Discharge Inj. of Water						
4 Indus	trial	L R	ecovery	Injection			Other (sp	ecity):				
1			mitted to KDI	HE? Yes X	No	lf yes, dat	te sample was si	ıbmitted:				
Water well di		Yes X No										
8 TYPI	E OF CASINO	G USED: St	eel X PVC	Other		ASING JOI	NTS: Gh	ued Clampled	Welded	X Threaded		
Casing diam	nt above land su	in. to 23.25 irface -0.3	in. Diame	er in. ight	lbs./ft		thickness or gau	in. to				
		PERFORATION			**********							
Steel	Stainl	ess Steel	Fiberglass	X PVC			ther (Specify)					
Brass		nized Steel	Concrete tile	None used (op	en hole)							
·		ATION OPENIN		🗀-				П ол (2)				
<u> </u>		X Mill Slot	Gauze		orch Cut		ed Holes	Other (Specify	<u>') </u>			
Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 23.25 ft. to 43.25 ft, From ft. to ft. to ft. to ft. to								ft				
GRA	VEL PACK I	NTERVALS: F	rom 23	ft. to 45 ft,	From	ft.	to	ft, From	ft. to	ft,		
	MATERIAL:			nent grout X Ber			Concrete: 0-0.		***************************************			
Grout interva				om ft. to								
		e contamination					***************************************	***************************************				
Septio	Tank	La	iteral Lines	Pit Privy		Lives	tock Pens	Insecticide	Storage			
Sewer	Lines		ess Pool	Sewage Lagoo	on		Storage		d Water Well			
	tight Sewer Lir	nes Se	epage Pit	Feedyard		Fertil	izer Storage	Oil Well /	Gas Well			
	(Specity)	haoim		Distance from		ithin basin		6				
	well? Within	Dasin	I ITHOLOG		weil? .w	ithin basin	I TO	ft				
10 FROM 0	0.5	Topsoil/grass	LITHOLOG	IC LOG		FROM	TO	LITHO, LOG (co	nt.) or PLUGGH	NG INTERVALS		
0.5	1	Silty clay			-							
1	11	Coarse fill sand										
11	12	Silty clay w/ trace Coarse sand	sand	·····								
13	25	Silty sandy clay										
25						Notes: KDHE ID: St. Mary's Oil; U4-075-10765						
31	45	Coarse sand				_	_	hallow groundwater	, <20' of grout	was installed at		
11 CONT	PACTODIS C	D I ANDOWNE	D'S CEPTIEIC	'ATION: This weter		e direction o		reconstructed or	plugged	under my		
11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was X constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 2/16/17 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's												
License No	757	This W	ater Well Recor	d was completed on (1	mo-day-ye	ar) 3/1/17	A CCC			-		
under the b		of Larsen & Asso					Signature					
				h constructed well to: Ka 66612-1367. Mail one to					GWTS Section, 765-296-5524.	:		
Visit us		heks.gov/waterwell/i		KSA 82						1 7/10/2015		

DENNIS L HANDKE

1820 NW 59th Terrace TOPEKA, KANSAS 66618 785-286-4047 Home 785-217-5864 Cell

Jess Chapman Larsen & Associates 1311 E. 25th Street, Suite B Lawrence, Kansas, 66046 February 25, 2017

RE: Monitor Well Elevation Survey 114 E. Bertrand, St. Marys, Kansas Proj. 17-00H St. Marys Oil U4-075-10765

Bnch Mark: Chisled X on SE bolt in concrete street light base at South center of property.

Elev: 958.	.53 No	orth 1133.39	We	st 2214.57	(from SE Cor. Sec. 10-10-12E)			
MW-1R	rim	958.60	North	1139.32	NE1/4,NW1/4,SW1/4,SE1/4			
	top pipe	958.30	West	2194.26	Lat= 39.19108 Long = 96.06226			
MW-2R	rim	958.50	North	1114.51	NE1/4,NW1/4,SW1/4,SE1/4			
	top pipe	958.15	West	2125.00	Lat= 39.19101 Long = 96.06201			
MW-5R	rim	958.85	North	1096.35	NE1/4,NW1/4,SW1/4,SE1/4			
	top pipe	958.33	West	2068.30	Lat= 39.19096 Long = 96.06181			
MW-7R	rim	958.44	North	1155. 8 5	NE1/4,NW1/4,SW1/4,SE1/4			
	top pipe	958.17	West	2237.53	Lat= 39.19113			
MW-8	rim	956.62	North	1145.21	NW1/4,NW1/4,SW1/4,SE1/4			
	top pipe	956.17	West	2402.73	Lat= 39.19110 Long = 96.06299			
MW-9	rim	945.89	North	968.36	NE1/4,NE1/4,SE1/4,SW1/4			
	top pipe	945.56	West	2735.73	Lat= 39.19061 Long = 96.06417			
MW-10	rim	947.10	North	766.18	SW1/4,NW1/4,SW1/4,SE1/4			
	top pipe	946.81	West	2422.51	Lat= 39.19006 Long = 96.06307			

RECEIVED

Elevation derived from USGS BM J 262 "1940". NAVD88.

MAR 1 3 2017

Lat & Long derived from St. Marys 7.5' Quad Maps WGS 84.

BUREAU OF WATER

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