Opera	tor		ergy Ho	ldings I	I C			N/1	fin D	ia# 110	Pusher		Dicky Lii	dore				
	lame/No		mann #8		LU			iviur	17	110			Ricky Hilgers 193-21058-00-00 Well Code # 13					
Legal			VL 996 F		ction 1/	L-10e-1	3314/				County		Thomas State KS					
	# & Size)	30011						Pine	.lts	162	KCC Ren		Jennifer Hawthorne					
Make		-		National		07 10		Lir	ner &	Stroke		6X14						
Appro			·	5,300			Elev	ation							10/29/2019			
Miles	Moved		48		Cost \$		•	Hrs		Trucks	3 Rainbow	//3 WW T	rucks Rig			10/31/2019		
Fuel C	n Hand To	oday.	1,200) 1	,062	3,6	333	3,2	42	2,911	2,561	2,198	1,954	1,710				
Fuel D	elivery Da	te.																
Date.			10/23/		/24/19		5/19								9 11/01/19	9 11/02/19		
	nt Activity.		1-Spu		-Woc		Orlg	4-D		5-Drlg	6-Drlg	7-Drlg	8-LDDS					
Total I					303		80	3,2		3,674	4,146	4,580	4,700 TD					
	ge Cut In 2	4 Hrs.			303		377	1,0		469	472	434	120	0				
	g Time.				3.25		2.5	18		13.75	19.25	23	6.75	0				
Down					0)	5		9.25-	.25-Dwks	0	0	0				
	any Time.				-Woc		-Jet	1/		1-Disp	4	1/4	17 1/4	19				
Bit Wt				1	0,000		000	35,0		35,000 85	38,000 85	38,000 85	38,000 85	0				
Press	IIIO				100 400		0 50	89 70		650	700	85 875	900	0				
SPM.	ui C.				60		0	60		60	60	60	60	0				
	n Mud Cos	t.			Na		166	2,1		11,582	11,582	11,582	12,286	12,286	1			
Mud V					8.6		.0	9.		8.8	9.1	9.3	9.3	9.3				
	Viscosity	<i>1</i> .			28		8	29		65	58	56	53	53				
Water		-			Na		-	N:		7.2	7.2	7.2	7.2	7.2				
Clorid					Na		-	50		750	750	750	750	750				
	. & P.H.			0#	#/0 Ph	Tr	/ -	-		4#/ 11.5		3# / 10.5		0				
Deviat	tion Survey	y .		1	*-303'		_	-		-	-	-	1.25-4700	0				
Safety	Meeting T	opic.		R	ig Up	Cat	line	Tri	ps	Pump	Hand Tool	P. Points	LDDS	Rig Dov	vr			
ACC E	ACC Bit Hours.			,	3 1/4			40		54 1/4	73 1/2	96 1/2	103 1/4	0				
	Formation.				urface	Sd-Sh		Sd-		Sh-Lm	Lm-Sh	Sh-Lm	Sh-Lm	Sh-Lm				
Weath	er.				P/C	Ρ.	/ C	Cle	ear	P/C	P/C	P/C	Snow	Clear				
											Cum							
No	Size		Mfg	-	Гуре	0	ut	F	t	Hrs	Hrs	ROP	Serial #		Bit Jet	t Size		
1	12 1/4 STC Tooth			03	30	3	3 1/4	3 1/4	93	RH-9560		3-1	5's					
2	7 7/8"		Smith		F27	4,700		4,397		103 1/4	106 1/2	43	RL-1817		3-1	5's		
E	Bit totals ar	nd over	all pen	etration	rate av	erage)	4,7	00	106 1/2		44						
													-1.04		D			
	Depth t @ 303'		ze " 23#	Sacks 250			ss A 2	terial			Down 10/23/19		ed Out	Co	Remark mented By:			
	@ 4698'		15.5#	200	Firet				coa		10/23/19	7.00 am	10/24/19.		emented By			
361	W 4030	3 1/2	13.5#	400) 8% C			10/30/13.				V Tool set (
	_				roona				JOI 17	1		<u> </u>	_		. 1001001	<u>.g 2001</u>		
No	Zone		Interv	31	Open	Shut	Open	Shut					Recovery					
					+													
Surfac	ce Casing	Jts	7	Wt	23#	Tally	2	296.28		Produc	tion Casi	ng Jts	116	Wt	15.5# Ta	lly 4703		
Loggi	_		Pione	er	LTD	47	04	Start	###	#### 10	/29/2019		ete 1:15		10/30/2019			
Comm	nents:						rise S	upply	. Haı	uled By: S	Sunrise.	Wa	ater Info:	Water w	vell pumped	l by WW		
	oed & Weld	ded By:	Keith V	VW . An	nydrite 2	2655'-2	2695'.	Stuck	at 2	851' for 4.	75 hrs.		gen, WW li		pump			
	cement cor												k tank is u	sed				
	Short trip #											No E	BOP used					
	PM on 10-2									asing set (@ 4698',							
	llar set slips	and te	ar down	Rig rel	eased @	2:00	am 1	0/31/1	9.									
Accid	ents:																	

Opera	itor	Elk En	ergy Holdir	igs LLC	;			Murfin	Rig# 110	Tool Pus	her	Ricky Hil			
Well N	Name/No	Lippelr	mann #8-14					_1				1058-00-0	ode #	13	
Legal	Desc	965 FN	NL 996 FW	L Section	on 14	-10s-3	33w			County		Thomas	_	State	KS
DC's	(# & Size)		16 Ck	Date	7/20)/19	Drill	Pipe Jts	162	KCC Rep		Jei	nnifer Hav	vthorne	
Make	Pump		Nat	ional K	380			Liner	& Stroke	•	6X14	(Spud 5:0	30 PM 10	/23/2019
Appro	x. TD			300			Elev		3,144 G.L .	3,149	K.B.		TD 1:4		/29/2019
Miles	Moved		48	Cos	st \$			Hrs 9	Trucks	3 Rainbow	//3 WW T	rucks Ri ç	Rls 2:0	00 AM 10	/31/2019
Fuel C	ntor Name/No Desc (# & Size) Pump ox. TD Moved On Hand To Delivery Da	day.													
Fuel D	Delivery Da	te.													
Date.			11/3/19	11/4	/19	11/5	5/19	11/6/19	11/7/19	11/8/19	11/9/19	11/10/19	11/11/19	11/12/19	11/13/19
Curre	nt Activity.														
Depth	ge Cut In 2 gg Time. Time.														
Foota	ge Cut In 2	4 Hrs.													
Drillin	ig Time.													1	
Down	lime.														
Comp	any i ime.														
Bit Wi	l.														
Drose	uro														
Press SPM.	ure.														
Accur	n Mud Cos	+													
Mud V	Nt	ι.													
Funne	Vt. el Viscosity Loss. les.	,													
Water	· Loss	•													
Cloric	les.														
L.C.M	. & P.H.														
Devia	tion Survey	<i>1</i> .													
Safety	/ Meeting T	opic.													
ACC E	Bit Hours.														
Forma	tion Survey Meeting T Bit Hours. ation.														
Weath	ner.														
										Cum		•		•	
No	Size		Mfg	Тур		0	ut	Ft	Hrs	Hrs	Rop	Serial #		Bit Jet S	Sizo
140	OIZE		wiig	1 1/1	,,,		ut		1113	1113	INOP	Octial #		Dit set (JIZE
E	Bit totals ar	nd over	all penetra	ition ra	te av	erage)								
	Depth	Si	70 9	icks		Como	nt Ma	terial	Plug	Down	Drill	ed Out		Remarks	
	Берш	31,	26 36	icks	<u> </u>	Cenne	III IVIA	lenai	Flug	DOWII	Dilli	eu Out		Kemarks	
N	7		lust - ···									Dece			
No	Zone		Interval		Open	Shut	Open	Shut				Recovery			
Surfa	Surface Casing Jts Wt Tally							Produc	ction Casi	ng Jts		Wt	Tally	,	
Logai	na Co	3.5			LTD			Start		Jusi	Comp				
Comn	nents:	Surfac	ce Casing		_	:						ater Info:			-
Logging Co LTD Start Comments: Surface Casing Supplied By: Strap & Welded By:															
Accid	ents:														

Opera	Name/No Desc (# & Size) Pump ox. TD Moved On Hand To Delivery Da	Elk En	ergy Holdin	gs LLC			Mur	fin R	ig# 110	Tool Pus	her	Ricky Hilgers				
Well N	lame/No	Lippeli	mann #8-14				_					21058-00-0		Code #		13
Legal	Desc	965 FI	VL 996 FWI	Section	14-10	0s-33w				County		Thomas			State	KS
DC's ((# & Size)		16 Ck	Date 7	/20/1	9 D r	ill Pipe			KCC Rep		Je	nnifer	Haw	thorne	
Make	Pump			onal K 3 80		<u>_</u>			Stroke		6X14		Spud			/23/2019
Appro	x. TD			800		Ele	vation		44 G.L.	3,149	K.B.				5 PM 10	/29/2019
Miles	Moved		48	Cost	\$		Hrs	9	Trucks	3 Rainbow	//3 WW	Trucks Ri	g RIs	2:0	0 AM 10	/31/2019
Fuel C	On Hand To	day,														
Fuel D	Delivery Da	te.														
Date.			11/14/19	11/15/1) 1	1/16/19	11/1	7/19	11/18/19	11/19/19	11/20/	19 11/21/19	11/22	2/19	11/23/19	11/24/19
					_											
Depth	ge Cut In 2 g Time. Time. any Time.	4.11					-						+			
Foota	ge Cut in 2	4 Hrs.					-						+			
Drillin	g rime.															
Comp	nine.															
Bit W	any mine.															
Bit Wi					+		+						+			
Press	ure.															
SPM.	4.0.															
Accur	n Mud Cos	t.														
Mud V	Vt. el Viscosity Loss. les.															
Funne	el Viscosity	·.														
Water	Loss.															
Clorid	les.															
L.C.M	. & P.H.															
Deviti	on Survey. / Meeting T Bit Hours. ation.															
Safety	/ Meeting T	opic.														
ACC E	Bit Hours.															
Forma	ation.															
Weath	ner.												<u> </u>			
										Cum						
No	Size		Mfg	Type		Out	F	t	Hrs	Hrs	Rop	Serial #			Bit Jet S	ize
					-											
					-		-						-			
	Bit totals ar	ıd over	rall penetra	tion rate	avera	age	+						1			
		l .								_						
L	Depth	Si	ze Sa	cks	Ce	ment M	ateriai		Plug	Down	Dri	lled Out	+		Remarks	
	7.		lock o									D				
No	Zone		Interval	Op	n SI	hut Ope	n Shut					Recovery				
Surface Casing Jts Wt Tally							Produc	ction Casi	ng Ji	s	Wt		Tally			
Loggi	ng Co			LT	<u> </u>		Start				Com	plete				
Comn	nents:	Surfac	ce Casing S	Supplied	Ву:						V	Vater Info:				
Logging Co LTD Start Comments: Surface Casing Supplied By: Strap & Welded By:																
A = = ! -!	- mto -															
Accid	ents:															

0	FILE FOR A SHALLING THE LAND	Marrier Diag	440 T I D-	-b Distriction	_	
Operator	Elk Energy Holdings LLC	Murtin Rig#	110 Tool Pu	sher Ricky Hilger	S	
Well Name/No	Lippelmann #8-14		API#	15-193-21058-00-00 V	Vell Code #	13
Operator Well Name/No Legal Desc Additional com	965 FNL 996 FWL Section 14-10s-33w		County	Thomas	State	KS
Additional com	nents:					