

Murfin Morning Report

Operator		Elk Energy Holdings LLC		Murfin Rig#		110		Pusher		Ricky Hilgers	
Well Name/No		Lippelmann #8-14		API#		15-193-21058-00-0C		Well Code #		13	
Legal Desc		965 FNL 996 FWL Section 14-10s-33w		County		Thomas		State		KS	
DC's (# & Size)		1 6		CkDate		7/20/19		Drill Pipe Jts		162	
Make Pump		National K380		Liner & Stroke		6X14		Spud		5:30 PM 10/23/2019	
Approx. TD		5,300		Elevation		3,144		G.L.		3,149	
Miles Moved		48		Cost \$		Hrs 9		Trucks		3 Rainbow/3 WW Trucks	
Rig Rls		2:00 AM		10/31/2019							

Fuel On Hand Today.	1,200	1,062	3,633	3,242	2,911	2,561	2,198	1,954	1,710		
Fuel Delivery Date.											
Date.	10/23/19	10/24/19	10/25/19	10/26/19	10/27/19	10/28/19	10/29/19	10/30/19	10/31/19	11/01/19	11/02/19
Current Activity.	1-Spud	2-Woc	3-Drlg	4-Drlg	5-Drlg	6-Drlg	7-Drlg	8-LDDS	9-Done		
Total Depth.		303	2,180	3,205	3,674	4,146	4,580	4,700 TD	4,700		
Footage Cut In 24 Hrs.		303	1,877	1,025	469	472	434	120	0		
Drilling Time.		3.25	22.5	18	13.75	19.25	23	6.75	0		
Down Time.		0	0	5	9.25-	.25-Dwks	0	0	0		
Company Time.		8-Woc	.75-Jet	1/2	1-Disp	4	1/4	17 1/4	19		
Bit Wt.		10,000	30,000	35,000	35,000	38,000	38,000	38,000	0		
RPM.		100	90	85	85	85	85	85	0		
Pressure.		400	650	700	650	700	875	900	0		
SPM.		60	60	60	60	60	60	60	0		
Accum Mud Cost.		Na	2,166	2,166	11,582	11,582	11,582	12,286	12,286		
Mud Wt.		8.6	9.0	9.2	8.8	9.1	9.3	9.3	9.3		
Funnel Viscosity.		28	28	29	65	58	56	53	53		
Water Loss.		Na	-	Na	7.2	7.2	7.2	7.2	7.2		
Clorides.		Na	-	500	750	750	750	750	750		
L.C.M. & P.H.		0#/0 Ph	Tr / -	-	4#/ 11.5	3#/ 10.5	3#/ 10.5	3#/ 10	0		
Deviation Survey.		1*-303'	-	-	-	-	-	1.25-4700	0		
Safety Meeting Topic.		Rig Up	Catline	Trips	Pump	Hand Tool	P. Points	LDDS	Rig Down		
ACC Bit Hours.		3 1/4	22 1/2	40 1/2	54 1/4	73 1/2	96 1/2	103 1/4	0		
Formation.		Surface	Sd-Sh	Sd-Sh	Sh-Lm	Lm-Sh	Sh-Lm	Sh-Lm	Sh-Lm		
Weather.		P/C	P / C	Clear	P/C	P/C	P / C	Snow	Clear		

No	Size	Mfg	Type	Out	Ft	Hrs	Cum Hrs	ROP	Serial #	Bit Jet Size
1	12 1/4	STC	Tooth	303	303	3 1/4	3 1/4	93	RH-9560	3-15's
2	7 7/8"	Smith	F27	4,700	4,397	103 1/4	106 1/2	43	RL-1817	3-15's
Bit totals and overall penetration rate average					4,700	106 1/2		44		

Depth	Size	Sacks	Cement Material	Plug Down	Drilled Out	Remarks
Set @ 303'	8 5/8" 23#	250	Class A 2%	11:00pm 10/23/19	7:00 am 10/24/19.	Cemented By: Franks
Set @ 4698'	5 1/2" 15.5#	200	First stage OWC 5# Kol seal	10:00 pm 10/30/19.		Cemented By Franks
		400	cond Stage 60/40 8% Gel 1/			DV Tool set @ 2657'

No	Zone	Interval	Open	Shut	Open	Shut	Recovery

Surface Casing	Jts	7	Wt	23#	Tally	296.28	Production Casing	Jts	116	Wt	15.5#	Tally	4703
Logging Co	Pioneer		LTD		4704	Start #####	10/29/2019	Complete	1:15 AM	10/30/2019			
Comments:							Water Info:						
Surface Casing Supplied By: Sunrise Supply. Hauled By: Sunrise.							Water well pumped by WW						
Strapped & Welded By: Keith WW. Anhydrite 2655'-2695'. Stuck at 2851' for 4.75 hrs.							No gen, WW line, WW pump						
Displacement complete @ 3486-3500' used 720 in .75 hrs. 9.25 hrs. down working on pump							Frack tank is used						
liner. Short trip # 1 @ 3994'. Pulled 25 stands in 2 hrs. Logging by Pioneer started at							No BOP used						
10:15 PM on 10-29-19. Short Trip at 4700' -23 stands in 4 hrs. 5 1/2" casing set @ 4698',													
Jet cellar set slips and tear down Rig released @ 2:00 am 10/31/19.													
Accidents:													

Murfin Morning Report

Operator		Elk Energy Holdings LLC						Murfin Rig#		110		Tool Pusher		Ricky Hilgers							
Well Name/No		Lippelmann #8-14						API#		15-193-21058-00-0C						Well Code #		13			
Legal Desc		965 FNL 996 FWL Section 14-10s-33w						County		Thomas						State		KS			
DC's (# & Size)		1 6		CkDate		7/20/19		Drill Pipe Jts		162		KCC Rep		Jennifer Hawthorne							
Make Pump		National K380						Liner & Stroke		6X14						Spud		5:30 PM 10/23/2019			
Approx. TD		5,300						Elevation		3,144		G.L.		3,149		K.B.		TD 1:45 PM 10/29/2019			
Miles Moved		48		Cost \$				Hrs		9		Trucks		3 Rainbow/3 WW Trucks						Rig Rls 2:00 AM 10/31/2019	
Fuel On Hand Today.																					
Fuel Delivery Date.																					
Date.		11/3/19		11/4/19		11/5/19		11/6/19		11/7/19		11/8/19		11/9/19		11/10/19		11/11/19			
Current Activity.																					
Depth.																					
Footage Cut In 24 Hrs.																					
Drilling Time.																					
Down Time.																					
Company Time.																					
Bit Wt.																					
RPM.																					
Pressure.																					
SPM.																					
Accum Mud Cost.																					
Mud Wt.																					
Funnel Viscosity.																					
Water Loss.																					
Clorides.																					
L.C.M. & P.H.																					
Deviation Survey.																					
Safety Meeting Topic.																					
ACC Bit Hours.																					
Formation.																					
Weather.																					
No	Size	Mfg	Type	Out	Ft	Hrs	Cum Hrs	Rop	Serial #	Bit Jet Size											
Bit totals and overall penetration rate average																					
Depth		Size	Sacks	Cement Material		Plug Down		Drilled Out		Remarks											
No	Zone	Interval		Open	Shut	Open	Shut	Recovery													
Surface Casing Jts _____ Wt _____ Tally _____ Production Casing Jts _____ Wt _____ Tally _____																					
Logging Co _____ LTD _____ Start _____ Complete _____																					
Comments: Surface Casing Supplied By: _____ Water Info: _____																					
Strap & Welded By: _____																					
Accidents: _____																					

Murfin Morning Report

Operator Elk Energy Holdings LLC							Murfin Rig# 110						Tool Pusher Ricky Hilgers							
Well Name/No Lippelmann #8-14							API# 15-193-21058-00-0C						Well Code # 13							
Legal Desc 965 FNL 996 FWL Section 14-10s-33w							County Thomas						State KS							
DC's (# & Size) 1 6 CkDate 7/20/19							Drill Pipe Jts 162						KCC Rep Jennifer Hawthorne							
Make Pump National K380							Liner & Stroke 6X14						Spud 5:30 PM 10/23/2019							
Approx. TD 5,300							Elevation 3,144 G.L. 3,149 K.B.						TD 1:45 PM 10/29/2019							
Miles Moved 48 Cost \$							Hrs 9 Trucks 3 Rainbow/3 WW Trucks						Rig Rls 2:00 AM 10/31/2019							
Fuel On Hand Today,																				
Fuel Delivery Date.																				
Date.	11/14/19	11/15/19	11/16/19	11/17/19	11/18/19	11/19/19	11/20/19	11/21/19	11/22/19	11/23/19	11/24/19									
Current Activity.																				
Depth.																				
Footage Cut In 24 Hrs.																				
Drilling Time.																				
Down Time.																				
Company Time.																				
Bit Wt.																				
RPM.																				
Pressure.																				
SPM.																				
Accum Mud Cost.																				
Mud Wt.																				
Funnel Viscosity.																				
Water Loss.																				
Clorides.																				
L.C.M. & P.H.																				
Devition Survey.																				
Safety Meeting Topic.																				
ACC Bit Hours.																				
Formation.																				
Weather.																				
No	Size	Mfg	Type	Out	Ft	Hrs	Cum Hrs	Rop	Serial #	Bit Jet Size										
Bit totals and overall penetration rate average																				
Depth	Size	Sacks	Cement Material	Plug Down	Drilled Out	Remarks														
No	Zone	Interval	Open	Shut	Open	Shut	Recovery													
Surface Casing Jts _____ Wt _____ Tally _____ Production Casing Jts _____ Wt _____ Tally _____																				
Logging Co _____ LTD _____ Start _____ Complete _____																				
Comments: Surface Casing Supplied By:											Water Info:									
Strap & Welded By:																				
Accidents:																				

Murfin Morning Report

Operator	Elk Energy Holdings LLC	Murfin Rig#	110	Tool Pusher	Ricky Hilgers
Well Name/No	Lippelmann #8-14	API#	15-193-21058-00-0C	Well Code #	13
Legal Desc	965 FNL 996 FWL Section 14-10s-33w	County	Thomas	State	KS

Additional comments: