

API #	15-193-20998-00-00									
Operator:	ELK Energy Holdings LLC			Well Name & No:		Lippelmann #1-14				
Location:	2300 FNL & 2130 FWL Section 14-10s-33w					County:	Thomas	State:	Kansas	
Rig No.:	2	Contractor: WW Drilling, LLC			Tool Pusher: Johnny Nicodemus					
Drill Collars:	14	Size 6.26 x 2.25			Rig Phone:					
Take Pump:	N K-380			Liner & Stroke:		6x14	Spud:	9/1/2017 @ 2:00 PM		
Approx. TD:	4700'		Elevation:		3,139 G.L.		3144	B	Hole Complete: 9/7/2017 @ 8:30 AM	
Mud Co.:	Andys Mud		Mud Engineer:			Water		WW Haul		
Date	09/01/17	09/02/17	09/03/17	09/04/17	09/05/17	09/06/17	09/07/17	09/08/17	09/09/17	09/10/17
Days	1-spud	2-Drlg	3-Drlg	4-Drlg	5-Drlg	6-Drlg	7-Drlg	8-Cement	9-Done	
Depth		380	2040	3300'	3985'	4450'	4700'	4720'	4720'	
Ft. Cut		380	1660	1260'	685'	465'	250'	20		
Drill Time		0.5		20.75	20	22		1.5		
Down Time				90		1.5 LG	7 Bit trip			
Co. Time		WOC-10		1000	1.5			22.5	4.5	
Bit Wt.	all	10,000	20,000	30,000	38,000	38,000	38,000	38,000		
RPM	100	85	90	90	85	85	85	85		
Pressure	450	450	650	1000	700	750	750	800		
SPM	60	60	60	60	60	60	60	60		
Mud Cost			1650	5345	8593	8593	8,659	8,659	8,659	
Mud Wt.		8.5	8.8	9.4	8.8	9.2	9.3	9.3		
Viscosity		27	28	29	60	58	51	57		
Water Loss					7.6	8	9.6	9.6		
Chlorides					3000	3500	3500	3500		
L.C.M.				1#	1.5#	1#	1#	2#		
Dev. Sur		.75-344'								
Dev. Sur										
Fuel		3164	2882	2543	2204	1808	1413	1243	1243	
Water-Pit		1/4	1/2	1/4	1/4	Full	1/2	1/4		
ACC Bit Hrs.		0.5	23	43.75	63.75	85.75	6.75	8.25		
Formation	sd-sh	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm		
Weather		Clear	Clear	Cloudy	Clear	P/Cloudy	P/Cloudy	Clear		
No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops	
1	12 1/4	Sm-tooth	344	344	3.5	3.5	RR	RD6072		
2	7 7/8	Sm-F24	4607'	4263'	94.25	97.75		RJ3654		
3	7 7/8"	Sm-F27		113	8.25	106		RJ2988		
4									ROP 44.52	
DEPTH	SIZE	SACKS	CEMENT MATERIAL			PLUG DOWN	DRILLED OUT	REMARKS		
344'	8 5/8	250	Common, 3% cc & 2% gel			8:30 PM		Global Did Circulate		
113 jts		175	Bottom + 30 Rathole							
4715'	5 1/2"	395	n The Top and DV tool @ 264			7:30 AM		Quality Did Circulate		
NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY				
1										
2										
3										
4										
5										
6										
7										
8										
9										
surface Casing Furnished by: Jayhawk. Ran 8 joints of 8 5/8" tally 336.91 set @ 344'										
Remarks: Strap & weld surface by WW Rusty. Anhydrite @ 2655'-2700' Displaced @ 3491' (750 bbls). Short trip @ 3752' (20 stands) 1.5 hrs. Logged by Pioneer (LTD 4718') 2.5 hrs. Ran 113 joints of 5 1/2" casing, set @ 4715' DV Tool @ 2640', Cemented w/600 total sx cement by Quality cementing. Plug down @ 7:30 am, 9/8/2017. Released rig @ 11:30 am, 9/8/2017.										

API #										
Operator:	Well Name & No:									
Location:							County:	State: Kansas		
Rig No.:	Contractor: WW Drilling, LLC			Tool Pusher:						
Drill Collars:	Size:			Rig Phone:						
Take Pump:	Liner & Stroke:						Spud			
Approx. TD:	Elevation:			G.L.:		KB Hole Complete:				
Mud Co.:	Mud Engineer:						Water			

Date										
Days										
Depth										
Ft. Cut										
D.T.										
D.T.										
C.T.										
Bit Wt.										
RPM										
Pressure										
SPM										
Mud Cost										
Mud Wt.										
Viscosity										
Water Loss										
Chlorides										
L.C.M.										
Dev. Sur										
Dev. Sur										
Fuel										
Water-Pit										
ACC Bit Hrs.										
Formation										
Weather										

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith					RR		
2	7 7/8	Sm - F-27					New		
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
	8 5/8		Common, 3% cc, 2% gel			

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1						
2						
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: _____

Remarks: Spud @ _____