

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	ELK Energy Holdings LLC
Well Name	LIPPELMANN 9-14
Doc ID	1526789

All Electric Logs Run

CPI
DUCP
DIL
MEL



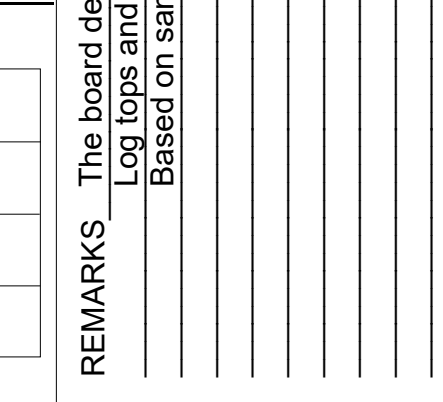
API: 15-193-21071

# Sean Deenihan Petroleum Geologist

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY <b>Elk Energy Holdings, LLC</b>	ELEVATIONS KB 3151'
LEASE <u>Lippelmann #9-14</u>	DF _____
FIELD <u>Wildcat</u>	GL 3143'
LOCATION <u>330' FNL &amp; 990' FWL</u>	Measurements Are All From Kelly Bushing
SEC <u>14 TWSP 10 S RGE 33 W</u>	CASING CONDUCTOR _____ SURFACE <u>8-5/8" at 307'</u> PRODUCTION <u>5.5" at TD</u>
COUNTY <u>Thomas</u> STATE <u>Kansas</u>	ELECTRICAL SURVEYS Pioneer CND/DIL, MIC
CONTRACTOR <u>Murfin Drilling</u>	
SPUD <u>1/21/20</u> COMP <u>1/27/20</u>	
RTD <u>4473'</u> LTD <u>4467'</u>	
MUD UP _____ TYPE MUD <u>Chemical</u>	
SAMPLES SAVED FROM <u>3800'</u> TO RTD	
DRILLING TIME KEPT FROM <u>3800'</u> TO RTD	
SAMPLES EXAMINED FROM <u>3800'</u> TO RTD	
GEOLOGICAL SUPERVISION FROM <u>3800'</u>	
REFERENCE WELL _____	

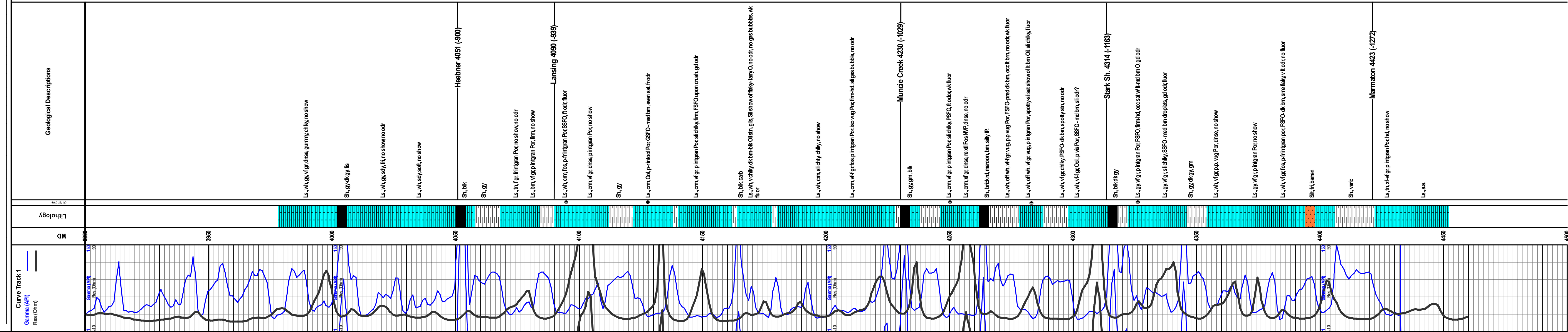
Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner		4051 (-900)	
Lansing		4090 (-939)	
Munice Ck		4229 (-1078)	
Stark Sh.		4314 (-1163)	
Hushpuckney		4344 (-1193)	



REMARKS The board depth was 7' shallow to the log on surface casing and 5' deep at TD. Log tops and sample descriptions were adjusted to log depths. Based on sample shows the decision was made to run pipe on the Lippelmann #9-14.

Respectfully Submitted,

Sean P. Deenihan



RTD: 4473'  
LTD: 4468'

**ELK ENERGY HOLDINGS, LLC**  
Lippelmann #9-14  
14 -10S-33W  
Thomas Co., KS

KB: 3151'

# FRANKS Oilfield Service, LLC

815 Main Street  
Victoria, KS 67671

Office (785) 639-3949  
24 Hour Service Line (785) 639-7269

Email: franksoilfield@yahoo.com

## Invoice

Date	Invoice #
1/21/2020	0130

Please Pay from this Invoice.  
Remit Payment to:  
815 Main Street  
Victoria, KS 67671  
Billing Questions-Call Tianna at  
(785) 639-3949

Bill To
Elk Energy Holding, LLC 2250 N. Rock Road STE 118-107 Wichita, KS 67226

County/State	Lease/Well#	Terms	Job Type
Thomas Co.. KS	Lippelmann 9-14	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	45	6.50	292.50
12.37 tons at 45 miles	556.645	1.50	834.97
Surface Blend	250	24.50	6,125.00T
25% Discount		-2,100.61	-2,100.61

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

**Subtotal** \$6,301.86

**Sales Tax (8.0%)** \$367.50

**Balance Due** \$6,669.36

*We appreciate your business and look forward to serving you again!*



# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

ACCOUNT NUMBER 0131  
 LOCATION Hoxtons  
 FOREMAN Miles Shaw

## FIELD TICKET & TREATMENT REPORT CEMENT

US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-28-20		Lippelmann 9-14	14	10S	33W	Thomas

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Elk Energy	101	Scott		
Mailing Address	102	M. H. S.		

CITY	STATE	ZIP CODE

JOB TYPE 2 Stage HOLE SIZE 7 7/8" HOLE DEPTH 4493' CASING SIZE & WEIGHT 5.5" 17#  
 CASING DEPTH 4457' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER Dukey @ 2670'  
 SLURRY WEIGHT 14.8/11.7 SLURRY VOL 1.5/2.39 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 1034/ DISPLACEMENT PSI 124 MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meetings and Rig up on W/d drilling Rig #12 Run 108 sets Centralizer set 3 sets  
 3, 5, 7, 8, 9, 11, 13, 42 Be shots on bits 14, 42 Dukey on set 43 @ 2670' Circulate casing to  
 Pump 500 gal mud flush 20 bbls HCl water mix 200 sy displacement 5' HCl seal shut down  
 Clear pump & lines release plug displace 62 3/4 bbls water + 58 1/4 bbls mud 1200 psi lift plug land the  
 @ 1700 Drop opening dirt Establish circulation 3 hrs Pump 500 gal mud flush mix 420 sy 60/40  
 88 gal 1/4" lb down casing. Shut down Clear pump & lines release plug displace 62 3/4 bbls  
 Water w/ 75# lift Plug land & shut @ 1500 psi. Rig down

305x KH Thanks Miles + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE	2500.00	2500.00
M001	45	MILEAGE	6.50	292.50
M002	32.02 Tons	Ton Mileage delivery	1.50	216.55
CP013	1000 gal	DUT100 Mud Flush	1.00	1000.00
CP014	2 gal	HCl	39.00	78.00
CB021	450 sy	60/40 89 gal 1/4" Plg	17.35	7807.50
CB031	200 sy	Clx blend 5' HCl seal	28.55	5710.00
FE013	8	5/8" Centralizer	80.00	640.00
FE022	2	5/8" Be Shot	385.00	770.00
FE033	1	5/8" AFU Guide Shoe	600.00	600.00
FE052	1	5/8" Flex latchdown plug & assembly	695.00	695.00
FE090	1	5/8" Dukey	6000.00	6000.00
FE096	32	5/8" Reciprocating Scratchers	75.00	2400.00
			Subtotal	30654.35
			1 + 55 256 discount	7663.58
			Subtotal	22990.77
			SALES TAX	1.542.03
			ESTIMATED TOTAL	24,532.80

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



### Murfin Morning Report

Operator	Elk Energy Holdings LLC		Murfin Rig#	112	Tool Pusher	Calvin Pfannenstiel	
Well Name/No	Lippelmann #9-14		API#	15-193-21071	Well Code #	1	
Legal Desc	330' FNL 990' FWL Sec-14-10s-33w		County	Thomas	State	KS	
DC's (# & Size)	16 6 1/4	CkDate	1/22/20	Drill Pipe Jts	162	KCC Rep	Jennifer Hawthorne
Make Pump	DB-550		Liner & Stroke	6" X 14"		Spud	3:30 PM 1/21/2020
Approx. TD	4700'		Elevation	3143'	G.L.	3151' K.B. 8'	TD 3:15 AM 1/27/2020
Miles Moved	Cost \$		Hrs	8	Trucks	WW / Rainbow	Rig Rls 9:00 AM 1/28/2020

Fuel on Hand Today	1,650	3,855	3,495	3,135	2,796	2,440	2,137	1,893			
Fuel Delivery Date											
Date	1/21/20	01/22/20	01/23/20	01/24/20	01/25/20	01/26/20	01/27/20	01/28/20	01/29/20	01/30/20	01/31/20
Current Activity	1-Spud	2-Drlg	3-Drlg	4-Drlg	5-Drlg	6-Tooh	7-Tooh	8-Done			
Total Depth		394	2,118	3,218	3,915	4,248	4,473	4,473			
Footage Cut in 24 Hrs.		87	1,724	1,100	697	333	225	0			
Drilling Time		1.5	22.75	22.75	21.5	17.5	15	0			
Down Time		0	0	0	1-Pump	1.75-Bit	4.5	0			
Company Time		8-Woc	.75-Jetting	.75-Jetting	.75-Jet	4 1/4	4 1/2	24	2		
Bit Wt.		20,000	30,000	35,000	35,000	35,000	38,000	0			
RPM		100	95	90	85	85	85	0			
Pressure		500	500	600	600	700	700	0			
SPM		58	58	58	58	58	58	0			
Accum Mud Cost		Na	3,065	3,065	9,397	11,410	11,410	12,630			
Mud Wt.		8.8	9.0	9.2	8.9	9.2	9.1	9.1			
Funnel Viscosity		28	28	30	50	54	66	35			
Water Loss		Na	-	Na	Nc	7.6	7.6	7.6			
Chlorides		Na	-	Na	-	750	750	750			
L.C.M. & P.H.		0#/0ph	0 / 0	1#/0ph	2# / 0	2# / 10.0	2# / 10.0	2# / 10.0			
Deviation Survey		.5*-307'	NA	Na	-	-	-	1*-4473'			
Safety Meeting Topic		Sling	Chem. Mud	Cold Weather	Slips	Pinch P	Tripping	Csg			
ACC Bit Hours		1 1/2	24 1/4	47	68 1/2	86	24	24			
Formation		Sd-Sh	Sd-Sh	Sh-Sd	Sh-Lm	Sh-Lm	Sh-Lm	Sh-Lm			
Weather		Cloudy.	Clear	P/C	Clear	Clear	P/C	Snow			

No	Size	Mfg	Type	Out	Ft	Hrs	Cum Hrs	ROP	Serial #	Bit Jet Size
1	12 1/4"	Smith	Tooth	307	307	3 3/4	3 3/4	82	RH-7319	3-15's
2	7 7/8"	Smith	F27i	4,248	3,941	86	89 3/4	46	RL-2086	3-15's
3	7 7/8"	Smith	F27i	4,473	225	24	113 3/4	9	RL-2094	3-15's
<b>Bit totals and overall penetration rate average</b>					4,473	113 3/4		39		

Depth	Size	Sacks	Cement Material	Plug Down	Drilled Out	Remarks
Set @ 307'	8 5/8"	250	Class A	9:30pm 1/21/20	5:30am 1/22/20	Franks- did circ
Set @ 4461'	5 1/2" 17#	200	First Stage OWC			
		420	Second Stage 60/40 8% Gel	5:00 am 1/28/20.		Cemented Franks Did Circ

No	Zone	Interval	Open	Shut	Open	Shut	DV Tool Set @ 2676'
							Will Need cut off

Surface Casing	Jts	7	Wt	23#	Tally	297.06	Production Casing	Jts	108	Wt	17#	Tally	4469.6
Logging Co	Pioneer Wire line		LTD	4468	Start	9:15 AM 1/27/2020	Complete	11:45. AM 1/27/2020					

Comments: **Surface Casing Supplied By: Sunrise. Hauled By: Fritzler** Water Info: Hauled by Hoxie from water well

**Strapped & Welded By: Nathaniel Gabel- WW.**  
 Anhydrite 2669'-2696', Displace at 3468' with 700 bbl. Short trip @ 4004'. Pulled 25 stands in 2.75 hrs. Short trip @ 4473'. Pulled 20 in 2 hrs. Jet Cellar set slips and tear rig released @ 9:00 1/28/20.,

Accidents: \_\_\_\_\_



**Murfin Morning Report**

<b>Operator</b>	Elk Energy Holdings LLC		<b>Murfin Rig#</b>	112	<b>Tool Pusher</b>	Calvin Pfannenstiel	
<b>Well Name/No</b>	Lippelmann #9-14		<b>API#</b>	15-193-21071	<b>Well Code #</b>	1	
<b>Legal Desc</b>	330' FNL 990' FWL Sec-14-10s-33w		<b>County</b>	Thomas	<b>State</b>	KS	
<b>DC's (# &amp; Size)</b>	16 6 1/4	<b>CkDate</b>	1/22/20	<b>Drill Pipe Jts</b>	162	<b>KCC Rep</b>	Jennifer Hawthorne
<b>Make Pump</b>	DB-550		<b>Liner &amp; Stroke</b>	6" X 14"		<b>Spud</b>	3:30 PM 1/21/2020
<b>Approx. TD</b>	4700'		<b>Elevation</b>	3143'	<b>G.L.</b>	3151'	<b>K.B.</b> TD 3:15 AM 1/27/2020
<b>Miles Moved</b>	<b>Cost \$</b>		<b>Hrs</b>	8	<b>Trucks</b>	WW / Rainbow	<b>Rig Rls</b> 9:00 AM 1/28/2020

<b>Fuel On Hand Today,</b>											
<b>Fuel Delivery Date.</b>											
<b>Date.</b>	2/12/20	2/13/20	2/14/20	2/15/20	2/16/20	2/17/20	2/18/20	2/19/20	2/20/20	2/21/20	2/22/20
<b>Current Activity.</b>											
<b>Depth.</b>											
<b>Footage Cut In 24 Hrs.</b>											
<b>Drilling Time.</b>											
<b>Down Time.</b>											
<b>Company Time.</b>											
<b>Bit Wt.</b>											
<b>RPM.</b>											
<b>Pressure.</b>											
<b>SPM.</b>											
<b>Accum Mud Cost.</b>											
<b>Mud Wt.</b>											
<b>Funnel Viscosity.</b>											
<b>Water Loss.</b>											
<b>Clorides.</b>											
<b>L.C.M. &amp; P.H.</b>											
<b>Devition Survey.</b>											
<b>Safety Meeting Topic.</b>											
<b>ACC Bit Hours.</b>											
<b>Formation.</b>											
<b>Weather.</b>											

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

<b>Surface Casing</b>	Jts	Wt	Tally	<b>Production Casing</b>	Jts	Wt	Tally
<b>Logging Co</b>	LTD		<b>Start</b>	<b>Complete</b>	Water Info:		
<b>Comments:</b>	<b>Surface Casing Supplied By:</b>						
<b>Strap &amp; Welded By:</b>							

<b>Accidents:</b>	
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**Murfin Morning Report**

<b>Operator</b>	Elk Energy Holdings LLC	<b>Murfin Rig#</b>	112	<b>Tool Pusher</b>	Calvin Pfannenstiel
<b>Well Name/No</b>	Lippelmann #9-14	<b>API#</b>	15-193-21071	<b>Well Code #</b>	1
<b>Legal Desc</b>	330' FNL 990' FWL Sec-14-10s-33w	<b>County</b>	Thomas	<b>State</b>	KS

**Additional comments:**