

# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

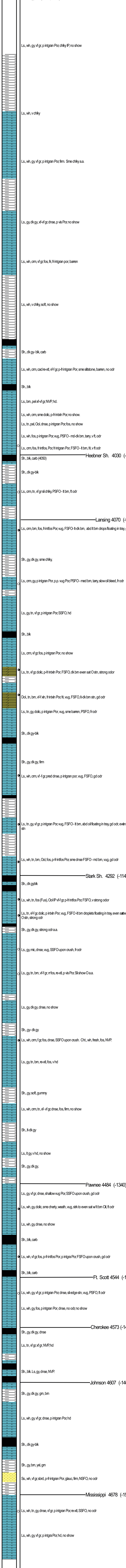
COMPANY	Elk Energy Holdings, LLC	ELEVATIONS	KB 3144'
LEASE	Lippelmann #1-14	DF	
FIELD	Wildcat	GL	3.139'
LOCATION	2300' ENL & 2130' FWL	Measurements Are All From Kelly Bushing	
SEC	14 TWP 10 S RGE 33 W	CASING	
COUNTY	Thomas STATE Kansas	CONDUCTOR	8-5/8" at 347'
CONTRACTOR	WW Drilling Rig #2	SURFACE	5.5" @ TD
SPUD	COMP LTD 4718'	PRODUCTION	
RTD	4720'	TYPE MUD	Chemical
MUD UP		SAMPLES SAVED FROM	3700' TO RTD
		DRILLING TIME KEPT FROM	3700' TO RTD
		SAMPLES EXAMINED FROM	3700' TO RTD
		GEOLOGICAL SUPERVISION FROM	3550'
		REFERENCE WELL	CND/DIL, MIC

Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anhydrite		2678 (-466)	
Heebner Sh.		4030 (-886)	
Lansing		4070 (-926)	
Stark Sh.		4292 (-1148)	
Ft. Scott		4544 (-1400)	
Cherokee Sh.		4573 (-1429)	
Mississippi		4678 (-1534)	

REMARKS Based on sample analysis, log evaluation, and relative structural position, the Lippelmann #1-14 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan



RTD: 4720'  
LTD: 4718'

**ELK Energy Holdings, LLC**  
Lippelmann #1-14  
14 -10S-33W  
Thomas Co., KS

KB: 3144'