

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Elk Energy Holdings, LLC	ELEVATIONS	KB 3149'
LEASE	Lippelmann #5-14	DF	
FIELD	Shica	GL	3144'
LOCATION	1630' ENL & 990' FWL	Measurements Are All From Kelly Bushing	
SEC	14 TWP 10 S RGE 33 W		
COUNTY	Thomas Kansas		
CONTRACTOR	W.W. Drilling Rig #8		
SPUD	COMP		
RTD	4700' LTD 4698'	CASING	CONDUCTOR 8-5/8" at 345' SURFACE 8-5/8" @ 345' PRODUCTION 5.5" @ 1TD
MUD UP	TYPE MUD Chemical		
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		

REMARKS Based on sample analysis, log evaluation, and relative structural position, the Lippelmann #5-14 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan

