

Sean Deenihan

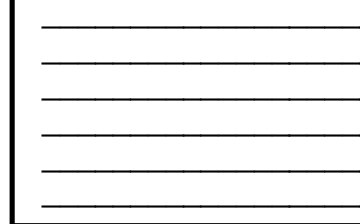
Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	Elk Energy Holdings, LLC	ELEVATIONS	KB 3153'
LEASE	Lippelmann #4-14	DF	
FIELD	Spica	GL	3148'
LOCATION	950' ENL & 335' FWL	Measurements Are All From Kelly Bushing	
SEC	14 TWP 10 S RGE 33 W		
COUNTY	Thomas STATE Kansas		
CONTRACTOR	W W Drilling Rig #10		
SPUD	COMP 4702'	CASING	CONDUCTOR SURFACE 8'-5/8" at 347'
RTD	LTD 4702'		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			

Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anhydrite		2686 (+467)	
Heebner Sh.		4042 (-889)	
Lansing		4080 (-927)	
Stark Sh.		4304 (-1131)	
Pt Scott		4568 (-1415)	
Cherokee Sh.		4595 (-1442)	



REMARKS Based on sample analysis, log evaluation, and relative structural position, the Lippelmann #4-14 will be further evaluated through production casing.

Respectfully Submitted,

Sean P. Deenihan

