Geologic Report

Drilling Time and Sample Log

Hard Rock Consulting, Inc.

Operator **American Warrior, Inc.**		Elevation KB 2181'	
Lease **Melvin**	No. **1-16**	DF	
API # **15-135-25656-0000**		GL 2175'	Casing Record Surface 8 5/8" @ 224' Production 5 1/2" @ 4280'
Field **Wildcat**			
Location **1910' FSL & 940' FWL**			Electrical Surveys None
Sec. **16**	Twp. **18s**	Rge. **21w**	
County **Ness**	State **Kansas**		

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite		1432' +749	+4
Base		1463' +718	
Heebner		3648' -1467	-3
Lansing		3692' -1511	-2
BKc		4017' -1836	
Pawnee		4084' -1903	
Fort Scott		4162' -1981	+8
Cherokee		4181' -2000	+8
Mississippian		4264' -2083	+6
Total Depth		4281' -2100	

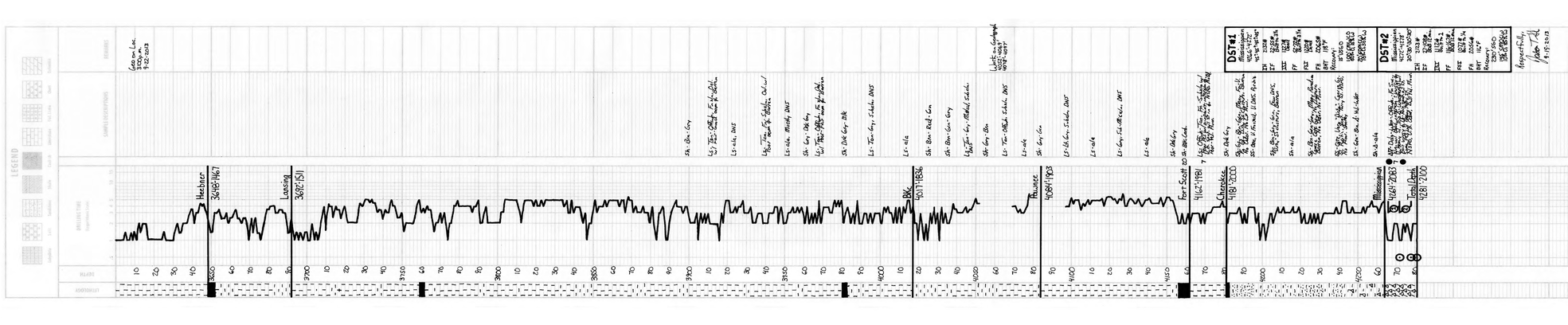
Reference Well For Structural Comparison **Pickrell Drilling Co. Goede C #1**
C SE SE Sec. 17 T18s R21w Ness Co. Kansas

Drilling Contractor	**Petromark Drilling, LLC. Rig #1**			
Commenced	9-11-2013	Completed		9-19-2013
Samples Saved From	3900'	To	RTD	
Drilling Time Kept From	3600'	To	RTD	
Samples Examined From	3900'	To	RTD	
Geological Supervision From	3900'	To	RTD	

Displacement **3500'** Mud Type **Chemical**

Summary and Recommendations

The location for the Melvin #1-16 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted both of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Melvin #1-16 well.

Respectfully Submitted,

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