



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		Elevation KB 2248'	
Lease Hinnergardt	No. 3-12	DF GL	2240'
API # 15-135-25836-0000		Casing Record Surface 8 5/8" @ 221'	
Field Ben		Production 5 1/2" @ 4393'	
Location 1000' FNL & 2240' FWL			
Electrical Surveys None			
Sec. 12	Twp. 20s	Rge. 21w	
County Ness	State Kansas		
Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite		1449' +799	-1
Base		1477' +771	
Heebner		3763' -1515	+14
Lansing		3814' -1566	+12
Bkc		4144' -1896	
Pawnee		4272' -2024	+14
Fort Scott		4300' -2052	+13
Cherokee		4316' -2068	+14
Mississippian		4374' -2126	+16
Total Depth		4394' -2146	

Reference Well For Structural Comparison **American Warrior, Inc. Hinnergardt #1-12**
 690' FNL & 1530' FWL Sec. 12 T20s R21w Ness Co. Kansas

Drilling Contractor **Discovery Drilling Co. Inc.** Rig #3
 Commenced **1-16-2015** Completed **1-23-2015**
 Samples Saved From **4000'** To **RTD**
 Drilling Time Kept From **3700'** To **RTD**
 Samples Examined From **4000'** To **RTD**
 Geological Supervision From **4000'** To **RTD**

Displacement **3600'** Mud Type **Chemical**

Summary and Recommendations

The location for the Hinnergardt #3-12 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Test was conducted 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 Hinnergardt #3-12 well.

Respectfully Submitted,

Jason T Alm
 Hard Rock Consulting, Inc.

