# **Geological Report**

G Farms #1-8 1324' FNL & 2639' FEL Sec. 8 T21s R24w Hodgeman County, Kansas



American Warrior, Inc.

## **General Data**

Well Data:	American Warrior, Inc. G Farms #1-8 1324' FNL & 2639' FEL Sec. 8 T21s R24w Hodgeman County, Kansas API # 15-083-21925-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	August 1, 2015
Completion Date:	August 8, 2015
Elevation:	2275' Ground Level 2283' Kelly Bushing
Directions:	Jetmore KS, North to X Rd, West 4 ½ miles, South into location.
Casing:	221' 8 5/8" surface casing
Samples:	10' wet and dry, 4000' to RTD
Drilling Time:	3550' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Mike Roberts"
Problems:	None
Remarks:	None

#### **Formation Tops**

	1		
	American Warrior, Inc.		
	G Farms #1-8		
	Sec. 8 T21s R24w		
Formation	1324' FNL & 2639' FEL		
Anhydrite	1499', +784		
Base	1540', +743		
Heebner	3689', -1406		
Lansing	3740', -1457		
BKC	4080', -1797		
Marmaton	4119', -1836		
Pawnee	4200', -1917		
Fort Scott	4262', -1979		
Cherokee	4285', -2002		
Mississippian	4360', -2077		
Osage	4415', -2132		
RTD	4430', -2147		

### **Sample Zone Descriptions**

#### Miss Warsaw (4360', -2077): Covered in DST #1

Ls – Dolo – Fine to sub-crystalline with scattered poor vuggy porosity, light to fair spotted oil stain in porosity, slight show of free oil when broken, fair yellow cut fluorescents.

#### Miss Osage (4424', -2152): Not Tested

 $\Delta-Dolo\;-$  Weathered, mostly fresh with scattered fair vuggy porosity, few pieces with tarry oil stain, no show of free oil, mostly barren, "sour" odor, no fluorescents, very poor cut, slightly dolomitic, fine crystalline, dense.

#### **Drill Stem Tests**

Trilobite Testing, Inc. "Mike Roberts"

61 #

55 #

#### DST #1 Mississippian Warsaw

Interval (4394' – 4415') Anchor Length 21'

IHP - 2187 #

IFP - 30" - W.S.B.

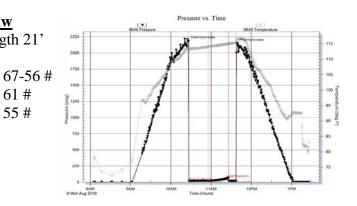
- 30" - Dead ISI

- 10" - Dead FFP

FHP **- 2157 #** 

BHT  $-117^{\circ}F$ 

Recovery: 1' Mud



### **Structural Comparison**

	American Warrior, Inc.	Thunderbird Petro		Lewis Mull	
	G Farms #1-8	Stairrett #1		Bailey #1	
	Sec. 8 T21s R24w	Sec. 8 T21s R24w		Sec. 18 T21s R24w	
<b>Formation</b>	1324' FNL & 2639' FEL	C NW SE		C NE NE	
Anhydrite	1499', +784	NA	NA	1505', +775	(+9)
Base	1540', +743	NA	NA	1545', +735	(+8)
Heebner	3689', -1406	3704', -1424	(+18)	3703', -1423	<b>(+17)</b>
Lansing	3740', -1457	3754', -1474	<b>(+17)</b>	3752', -1472	(+15)
BKC	4080', -1797	NA	NA	NA	NA
Marmaton	4119', -1836	NA	NA	NA	NA
Pawnee	4200', -1917	4202', -1922	(+5)	NA	NA
Fort Scott	4262', -1979	4268', -1988	(+9)	4284', -2004	(+25)
Cherokee	4285', -2002	4292', -2012	(+10)	NA	NA
Mississippian	4360', -2077	4375', -2095	(+18)	4393', -2113	(+36)
Osage	4415', -2132	NA	NA	NA	NA

# Summary

The location for the G Farms #1-8 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem Tests was conducted which was negative. After all gathered data had been examined the decision was made to plug and abandon the G Farms #1-8 well.

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.