Geological Report

Mabel #1-19
2459’ FNL & 1756’ FEL
Sec. 19 T23s R23w
Hodgeman County, Kansas

American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Mabel #1-19 2459’ FNL & 1756’ FEL Sec. 19 T23s R23w Hodgeman County, Kansas API # 15-083-21927-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	August 12, 2016
Completion Date:	August 20, 2016
Elevation:	2441’ Ground Level 2449’ Kelly Bushing
Directions:	Jetmore KS, East 1 mile to SE 219 Rd. South 3 ½ miles, West into location.
Casing:	230’ 8 5/8” surface casing 4869’ 5 1/2” production casing
Samples:	10’ wet and dry, 4300’ to RTD
Drilling Time:	3850’ to RTD
Electric Logs:	Pioneer Energy Services “Tim Martin” CNL/CDL, DIL, MEL, BHCS
Drillstem Tests:	One, Trilobite Testing, Inc. “Ken Swinney”
Problems:	None
Remarks:	None

Formation Tops

Formation	American Warrior, Inc. Mabel #1-19 Sec. 19 T23s R23w 2459' FNL & 1756' FEL
Anhydrite	**1624', +825**
Base	**1652', +797**
Heebner	**4024', -1575**
Lansing	**4079', -1630**
BKC	**4488', -2039**
Marmaton	**4500', -2051**
Pawnee	**4599', -2150**
Fort Scott	**4634', -2185**
Cherokee	**4662', -2213**
Basil Cher Sand	**4717', -2268**
Mississippian	**4787', -2338**
LTD	**4870', -2421**
RTD	**4870', -2421**

Sample Zone Descriptions

Basil Cher Sand **(4717', -2268): Covered in DST #1**

Ss – Quartz, clear to slightly frosted, fine to coarse grained, poorly sorted, sub to well rounded, fair to poorly cemented with fair to scattered good inter-granular porosity, light spotted oil stain in cluster, slight show of free oil when broken, very light odor, dull to fair yellow fluorescents with very good yellow streaming cut, slightly glauconitic, few pieces of yellow nodular chert, slight imbedded green shales, many random coarse sand grains, 145 units hotwire.

Drill Stem Tests

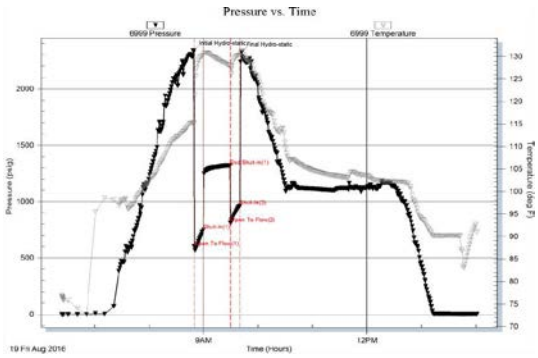
Trilobite Testing, Inc.
"Ken Swinney"

DST #1 Basil Cherokee Sand

Interval (4662' – 4736') Anchor Length 74'

IHP – 2333 #
IFP – 10" – B.O.B. 55 sec. 599-748 #
ISI – 30" – B.O.B. 15 min. 1320 #
FFP – 10" – B.O.B. 55 sec. 809-963 #
FHP – 2321 #
BHT – 131˚F

Recovery: 496' GIP
2294' MCGO 85% Oil
124' OCGM 10% Oil



Structural Comparison

Formation	**American Warrior, Inc. Mabel #1-19 Sec. 19 T23s R23w 2459' FNL & 1756' FEL**	Rains & Williamson Bailey #1 Sec. 20 T23s R23w C NW NW		Berexco, LLC. Katheryn #1-29 Sec. 29 T23s R23w 2280' FSL & 1000' FWL	
Anhydrite	**1624', +825**	1608', +821	**(+4)**	1575', +841	**(-16)**
Base	**1652', +797**	1630', +799	**(-2)**	1598', +818	**(-21)**
Heebner	**4024', -1575**	4011', -1582	**(+7)**	3664', -1548	**(-27)**
Lansing	**4079', -1630**	4070', -1641	**(+11)**	4021', -1605	**(-25)**
BKC	**4488', -2039**	4470', -2041	**(+2)**	4434', -2018	**(-21)**
Marmaton	**4500', -2051**	4495', -2066	**(+15)**	4451', -2035	**(-16)**
Pawnee	**4599', -2150**	4588', -2159	**(+9)**	4542', -2126	**(-24)**
Fort Scott	**4634', -2185**	4632', -2203	**(+18)**	4579', -2163	**(-22)**
Cherokee	**4662', -2213**	4657', -2228	**(+15)**	4604', -2188	**(-25)**
Basil Cher Sand	**4717', -2268**	Not Encountered	**NE**	4657', -2241	**(-27)**
Mississippian	**4787', -2338**	4744', -2315	**(-23)**	4745', -2329	**(-9)**

Summary

The location for the Mabel #1-19 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 Basil Cherokee Sand. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Mabel #1-19 well.

Recommended Perforations

Primary:		
Basil Cherokee Sand	**(4720' – 4724')**	**DST #1**
Before Abandonment:		
Lower Basil Sand	**(4737' – 4741')**	**Not Tested**

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.