

Geological Report

American Warrior, Inc.

Six M #1-23

2309' FNL & 1345' FWL

Sec 23, T22s, R34w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Six M #1-23 2309' FNL & 1345' FWL Sec. 23, T22s, R34w Finney County, Kansas API # 15-055-22368-00-00
Drilling Contractor:	Duke Drilling Co. Rig #9
Geologist:	Luke Thompson
Spud Date:	December 14, 2012
Completion Date:	December 22, 2014
Elevation	2929' G.L. 2942' K.B.
Directions:	From the NW side of Holcomb, KS at the intersection of Hwy 50 and Big Lowe Rd, go north 8 miles to Miller Rd, go west 2 miles to Ritchel Rd, go north 0.5 miles, then east into
Casing:	1765' 8 5/8" #24 Surface Casing 4942' 5 1/2" #15.5 Production Casing
Samples:	3800' to RTD 10' Wet & Dry
Drilling Time:	3750' to RTD
Electric Logs:	Pioneer Energy Services "D. Fischer" Full Sweep
Drillstem Tests:	One-Trilobite Testing "Jace McKinney"
Problems:	None Encountered

Formation Tops

Six M #1-23

Sec. 13, T22s, R34w

2309' FNL & 1345' FWL

Anhydrite	1975' +967
Base	2041' +901
Heebner	3827' -885
Lansing	3888' -946
Stark	4219' -1277
Bkc	4351' -1409
Marmaton	4376' -1434
Pawnee	4473' -1531
Fort Scott	4502' -1560
Cherokee	4512' -1570
Morrow	4716' -1774
Miss	4820' -1878
RTD	4950' -2008
LTD	4951' -2009

Sample Zone Descriptions

Morrow (4772', -1830): Covered in DST #1

Sandstone, grey, fine to medium grain, sub-angular to sub-round, medium sorting, poor to medium consolidation, slightly dirty, occasionally glauconitic, fair porosity, slight odor, fair odor when broke, fair show of free oil when broke, fair to good saturation, fair to good stain. Gas 50 units hotwire. (Gas reading, may not be reliable, gas system was working intermittently).

Drill Stem Tests
Trilobite Testing
“Jace McKinney”

DST #1

Morrow

Interval (4688' – 4808') Anchor Length 120'

IHP - 2348 #

IFP - 45" – BOB in 21 ½ min 57-132 #

ISI - 45" – Built to 1" 982 #

FFP - 45" – BOB in 8 ½ min 137-165 #

FSIP - 60" – Built to 6" 840 #

FHP - 2226 #

BHT - 112° F

Recovery: 738' GIP

116' MCGO (50% Oil)

121' MCGO (60% Oil)

141' MCGO (60% Oil)

Gravity: 30

Structural Comparison

	American Warrior, Inc. Six M #1-23 Sec. 23, T22s, R34w 2309' FNL & 1345' FWL		Sonat Exploration Co. Six M Farms #1-23 Sec. 23, T22s, R34w 1650' FNL & 2000' FWL		Mid-Continent Resources Nellans #1 Sec 22, T22s, R34w 990' FNL & 660' FEL
Formation					
Heebner	3827' -885	-7	3811' -878	-9	3816' -876
Lansing	3888' -946	-7	3872' -939	-5	38810' - 941
Stark	4219' -1277	-3	4207' -1274	-9	4208' -1268
BKC	4351' -1409	-2	4340' -1407	-7	4342' -1402
Marmaton	4376' -1434	-2	4365' -1432	-11	4363' -1423
Pawnee	4473' -1531	-8	4456' -1523	-1	4470' -1530
Fort Scott	4502' -1560	-7	4486' -1553	-4	4496' -1556
Cherokee	4512' -1570	-7	4496' -1563	-3	4507' -1567
Morrow	4716' -1774	-8	4699' -1766	0	4714' -1774
Miss	4820' -1878	-19	4792' -1859	-20	4798' -1858

Summary

The location for the Six M #1-23 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted which recovered commercial quantities of oil from the Morrow Sandstone. After all the gathered data had been examined, the decision was made to run 5 ½" casing to further evaluate the Six M #1-23 well.

Perforations

Primary:	Morrow	1st (4789'-4792'), 2nd (4770'-4776')
Secondary:	Marmaton	(4402'-4408')
Before Abandonment:	Marmaton	(4439'-4442')
	St. Louis	(4868'-4872')

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.

