

Geological Report

American Warrior, Inc.

Six M #4-23

903' FNL & 702' FWL

Sec 23, T22s, R34w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Six M #4-23 903' FNL & 702' FWL Sec. 23, T22s, R34w Finney County, Kansas API # 15-055-22383-00-00
Drilling Contractor:	Duke Drilling Co. Rig #5
Geologist:	Luke Thompson
Spud Date:	January 27, 2015
Completion Date:	February 8, 2015
Elevation	2930' G.L. 2941' K.B.
Directions:	From the NW side of Holcomb, KS at the intersection of Hwy 50 and Big Lowe Rd, go north 9 miles to Barlow Rd, go west 1.7 miles to lease Rd, south into.
Casing:	1752' 8 5/8" #24 Surface Casing
Samples:	3750' to RTD 10' Wet & Dry
Drilling Time:	3750' to RTD
Electric Logs:	Pioneer Energy Services "D. Kerr" Stacked Micro
Drillstem Tests:	Three-Trilobite Testing "Mike Roberts"
Problems:	Hole in pipe @ 4680'

Formation Tops

Six M #4-23

Sec. 23, T22s, R34w

903' FNL & 702' FWL

Anhydrite	1971' +965
Base	2035' +901
Heebner	3817' -876
Lansing	3881' -940
Stark	4206' -1265
Bkc	4337' -1396
Marmaton	4361' -1420
Pawnee	4462' -1521
Fort Scott	4490' -1549
Cherokee	4498' -1557
Morrow	4700' -1759
Miss	4785' -1844
RTD	4950' -2009
LTD	4952' -2011

Sample Zone Descriptions

Lansing (4230', -1289): Covered in DST #1

Limestone, tan, oolitic, fair oomoldic porosity, fair odor, no cut, no show free oil. Gas 108 units hotwire.

Marmaton (4390', -1449): Covered in DST #2

Limestone, tan, oolitic, fair oomoldic porosity, very faint odor, no cut, no show of free oil. Gas 22 units hotwire.

Morrow (4750', -1809): Covered in DST #3

Sandstone, grey-off white, fine grain, sub-angular to sub-round, poor sorting, well to medium consolidation, fair to well cemented, occasionally glauconitic, poor to porosity, fair odor, fair odor when broke, fair to good show of free oil when broke, poor saturation, poor stain, occasional dead oil stain, fair string cut, bright yellow fluorescence. Gas 23 units hotwire.

Drill Stem Tests

Trilobite Testing

“Mike Roberts”

DST #1

Lansing

Interval (4202' - 4246') Anchor Length 44'

IHP - 2055 #

IFP - 30" – BOB 4 min

74-378 #

ISI - 45" – No return

952 #

FFP - 45" – BOB 6 min

402-613 #

FSIP - 60" – No return

943 #

FHP - 2033 #

BHT - 112° F

Recovery: 1464' MCSW

DST #2

Marmaton

Interval (4375' – 4409') Anchor Length 34'

IHP - 2169 #

IFP - 30" – 9" blow

21-146 #

ISI - 30" – No Return

813 #

FFP - 30" – 5" blow

150-200#

FSIP - 30" – No Return

805 #

FHP - 2171 #

BHT - 112 ° F

Recovery: 62' GCOWM (1% Oil)

124' WCM

248' MCW

DST #3

Morrow

Interval (4698' – 4780') Anchor Length 82'

IHP - 2406 #

IFP - 30" – 2 ½" blow

56-68#

ISI - 30" – No Return

111 #

FFP - 30" – No blow

67-78 #

FSIP - 30" – No Return

91 #

BHT - 112 ° F

Recovery: 10' OCM (10% Oil)

Structural Comparison

	American Warrior, Inc. Six M #4-23 Sec. 23, T22s, R34w 903' FNL & 702' FWL		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
<u>Formation</u>					
Heebner	3817' -876	+10	3827' -885	+2	3811' -878
Lansing	3881' -940	+6	3888' -946	-1	3872' -939
Stark	4206' -1265	+12	4219' -1277	+9	4207' -1274
BKC	4337' -1396	+13	4351' -1409	+11	4340' -1407
Marmaton	4361' -1420	+14	4376' -1434	+12	4365' -1432
Pawnee	4462' -1521	+10	4473' -1531	+2	4456' -1523
Fort Scott	4490' -1549	+11	4502' -1560	+4	4486' -1553
Cherokee	4498' -1557	+13	4512' -1570	+6	4496' -1563
Morrow	4700' -1759	+15	4716' -1774	+7	4699' -1766
Miss	4785' -1844	+34	4820' -1878	+15	4792' -1859

Summary

The location for the Six M #4-23 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem test were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Six M #4-23 well.

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.

