

Geological Report

American Warrior, Inc.

Hicks A #1-24

2469' FNL & 335' FWL

Sec. 24, T25s, R32w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Hicks A #1-24
2469' FNL & 335' FWL
Sec. 24, T25s, R32w
Finney County, Kansas
API # 15-055-22447-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: December 28, 2016

Completion Date: January 8, 2017

Elevation 2880' G.L.
2892' K.B.

Directions: From Garden City, KS, go South on Hwy 83
8 miles to Annie Scheer Rd. Go East 4.25 miles and
North into.

Casing: 1616' 8 5/8" #24 Surface Casing
4985' 5 1/2" #17 Production Casing

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "J. Long"
Full Sweep

Drillstem Tests: Four-Trilobite Testing "Brandon Turley"

Problems: None

Formation Tops
Hicks A #1-24
Sec. 24, T25s, R32w
2469' FNL & 335' FWL

Anhydrite	1860' +1032
Base	1942' +950
Heebner	3941' -1049
Lansing	3996' -1104
Stark	4361' -1469
Bkc	4477' -1585
Marmaton	4500' -1608
Pawnee	4578' -1686
Fort Scott	4606' -1714
Cherokee	4624' -1732
Morrow	4786' -1894
St. Gen	4843' -1951
RTD	5000' -2108
LTD	5000' -2108

Sample Zone Descriptions

- Lansing 'K'** (4375',-1483): **Covered in DST #1**
 Ls. Tan/Grey. Sub crystalline. Poor oomoldic and poor intercrystalline porosity. Fair stain. Fair saturation. Gas and oil bubbling from porosity. Poor to fair odor. 20 Units hotwire.
- Lansing 'L'** (4417', -1525): **Covered in DST #2**
 Ls. off white/tan. Sub crystalline. Good oomoldic and fair oolycastic porosity. Fair to good stain. Fair saturation. Show of free oil. Fair odor. 60 Unit hotwire.
- Pawnee** (4580', -1688): **Not Tested**
 Ls. Grey. Sub crystalline. Poor oolycastic porosity. Fair stain. Poor saturation. No show of free oil. Poor to fair odor. 30 Units hotwire.
- Fort Scott** (4612', -1720): **Covered in DST #3**
 Ls. Tan. Sub crystalline. Fair oomoldic and good oolycastic porosity. Good stain. Fair saturation. Show of free oil when broken. Fair odor. Unknown hotwire.
- St. Louis 'C'** (4878', -1986): **Covered in DST #4**
 Ls. Off white. Medium to sub crystalline. Fair oomoldic and fair oolycastic porosity. Fair stain. Fair saturation. Show of free oil. Fair to good odor. Unknown hotwire.

Drill Stem Tests
Trilobite Testing
"Brandon Turley"

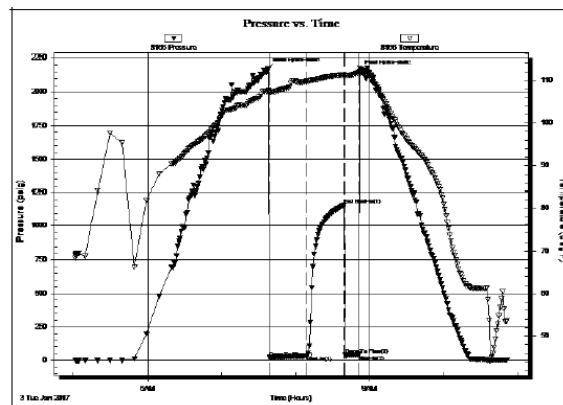
DST #1

Lansing 'K'

Interval (4362' – 4415') Anchor 53'

IHP	- 2170 #	
IFP	- 30" – WSB built to 3/4"	19-32 #
ISI	- 30" – No return	1157 #
FFP	- 10" – No blow	36-41 #
FSIP	- Pull Tool	NA
FHP	- 2156 #	
BHT	- 111° F	

Recovery: 31' WCM with oil spots



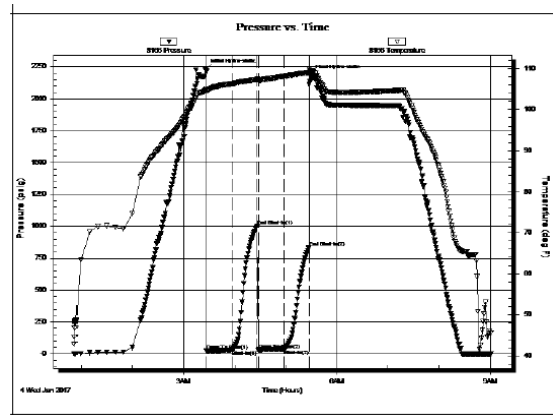
DST #2

Lansing 'L'

Interval (4404' - 4510') Anchor 106'

IHP	- 2229 #	
IFP	- 30" - WSB built to 2"	21-30#
ISI	- 30" - No return	1000#
FFP	- 30" - WSB built to 1.5"	30-37#
FSIP	- 30" - No return	834 #
FHP	- 2182#	
BHT	- 109°F	

Recovery: 60' OCM (10% Oil)



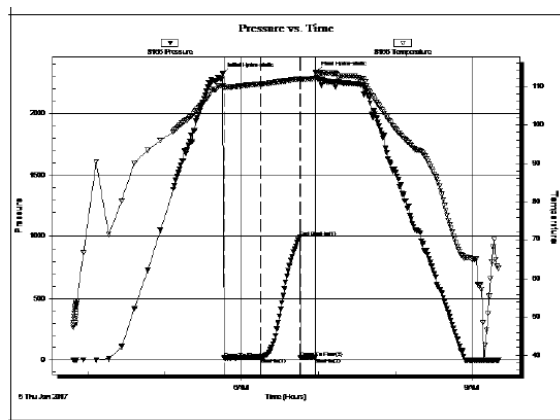
DST #3

Fort Scott

Interval (4600' - 4632') Anchor 32'

IHP	- 2322#	
IFP	- 30" - WSB died in 7 min	15-18#
ISI	- 30" - No return	990#
FFP	- 10" - No blow	20-21#
FSIP	- Pull Tool	NA
FHP	- 2336#	
BHT	- 112°F	

Recovery: 5' Mud



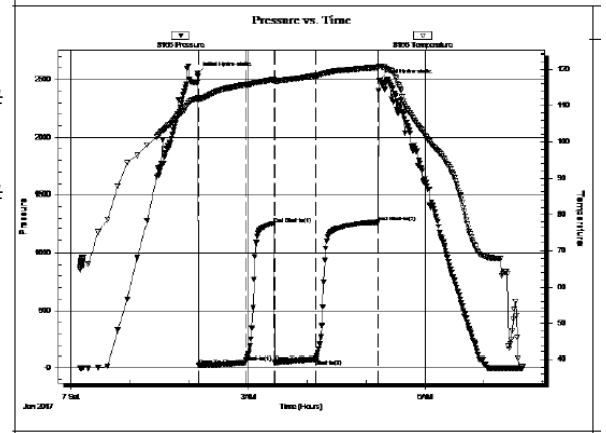
DST #4

St. Louis

Interval (4870' - 4912') Anchor 42'

IHP -2556#
 IFP -45" - BOB in 16 min 23-46#
 ISI -30" - WSB died in 10 min 1252#
 FFP -45" - BOB in 10 min 49-73#
 FSIP -60" - 2.5" died in 30 min 1267#
 FHP -2492#
 BHT -120°F

Recovery: 729' GIP
 77' MCGO (80% Oil)
 62' MCGO (55% Oil)



Structural Comparison

Formation	American Warrior, Inc Hicks A #1-24 Sec 24, T25s, R32w 2469' FNL & 335' FWL		Champlin Petro UI Potter #2-D Sec 21, T25s, R32w 2970' FSL & 2200' FEL		American Warrior, Inc. O'Brate-FLB #2-29 Sec 29, T25s, R31w 493' FNL & 439' FWL
Heebner	3941' -1049	-28	3898' -1021	+27	3931' -1076
Lansing	3996' -1104	-35	3946' -1069	+24	3983' -1128
Stark	4361' -1469	NA	NA	NA	NA
BKc	4477' 1585	-26	4436' -1559	+39	4479' -1624
Marmaton	4500' -1608	-28	4457' -1580'	+40	4503' -1648
Pawnee	4578' -1686	-18	4545' -1668	+43	4584' -1729
Fort Scott	4606' -1714	-21	4570' -1693	+41	4610' -1755
Cherokee	4624' -1732	-19	4590' -1713	+34	4621' -1766
Morrow	4786' -1894	+6	4777' -1900	+47	4796' -1941
St. Gen	4843' -1951	-20	4808' -1931	+9	1815' -1960

Summary

The location for the Hicks A #1-24 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stems were conducted, one of which recovered commercial amounts of oil from the St. Louis Limestone formation. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Hicks A #1-24 well.

Perforations

Primary:	St. Louis	(4880' – 4888')
Secondary:	Fort Scott	(4613' – 4619')
	Pawnee	(4578' - 4586')
Before Abandonment:	Lansing 'L'	(4414' – 4420')
	Lansing 'K'	(4372' – 4380')
Gas Perfs:	Winfield	(2688' - 2694') (2678' - 2684') (2664' -2670')
	Krider	(2604' - 2614')
Disposal Perfs:	Platsmouth	(3881' - 3901')

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

