

Geological Report

American Warrior, Inc.
SNS #4-7
2250' FNL & 1155' FWL
Sec. 7 T20s R20w
Pawnee County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
SNS #4-7
2250' FNL & 1155' FWL
Sec. 7 T20s R20w
Pawnee County, Kansas
API # 15-145-21799-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm, D.J. Rebel

Spud Date: March 23, 2015

Completion Date: March 30, 2015

Elevation: 2244' Ground Level
2252' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi. South to 50 Rd. East 2 mi. to County Line Rd.
3/4 mi. South, East into location.

Casing: 223' 8 5/8" surface casing
4391' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: One, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

American Warrior, Inc.	
SNS #4-7	
Sec. 7 T20s R20w	
2250' FNL & 1155' FWL	
Formation	
Anhydrite	1447', +805
Base	1474', +778
Heebner	3767', -1515
Lansing	3814', -1562
BKc	4147', -1895
Pawnee	4277', -2025
Fort Scott	4302', -2050
Cherokee	4322', -2070
Mississippian	4378', -2126
RTD	4392', -2140

Sample Zone Descriptions

Mississippian Osage (4378', -2126): **Covered in DST #1**

Δ – Dolo – Fine crystalline with pinpoint inter-crystalline porosity, very heavy weathered chert with fair to good vuggy porosity, fair to good oil stain and scattered saturation in porosity, fair show of free oil, good odor, good spotted yellow fluorescents.

Drill Stem Tests

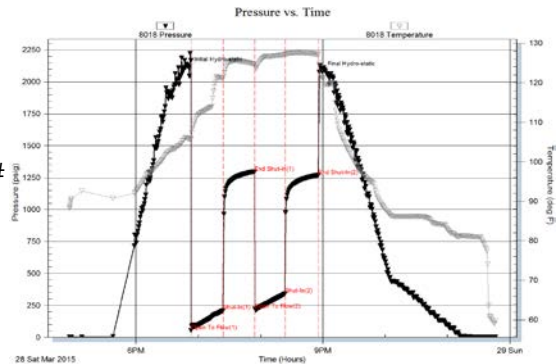
Trilobite Testing, Inc.
"Ray Schwager"

DST #1 Mississippian Osage

Interval (4379' – 4389') Anchor Length 10'

IHP – 2110 #	
IFP – 30" – B.O.B. 7 min.	54-210 #
ISI – 30" – Built to 1 in.	1295 #
FFP – 30" – B.O.B. 7 min.	221-342 #
FSI – 30" – Built to ¾ in.	1270 #
FHP – 2077 #	
BHT – 127°F	

Recovery: 250' GIP
 775' GCO
 90' SMGO 79% Oil



Structural Comparison

	American Warrior, Inc. SNS #4-7 Sec. 7 T20s R20w 2250' FNL & 1155' FWL	American Warrior, Inc. SNS #1-7 Sec. 7 T20s R20w 2310' FNL & 1700' FEL		American Warrior, Inc. SNS #2-7 Sec. 7 T20s R20w 2260' FSL & 600' FWL	
Formation					
Anhydrite	1447', +805	1437', +804	(+1)	1430', +808	(-3)
Base	1474', +778	1465', +776	(+2)	1461', +777	(+1)
Heebner	3767', -1515	3755', -1514	(-1)	3749', -1511	(-4)
Lansing	3814', -1562	3806', -1565	(+3)	3797', -1559	(-3)
BKc	4147', -1895	4138', -1897	(+2)	4132', -1894	(-1)
Pawnee	4277', -2025	4266', -2025	FL	4260', -2022	(-3)
Fort Scott	4302', -2050	4296', -2055	(+5)	4286', -2048	(-2)
Cherokee	4322', -2070	4311', -2070	FL	4304', -2066	(-4)
Mississippian	4378', -2126	4375', -2134	(+8)	4370', -2132	(+6)

Summary

The location for the SNS #4-7 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 Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the well.

Recommended Perforations

Mississippian Osage

(4378' – 4388')

DST #1

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.