

Geological Report

Brenner Brother #1-30

1090' FNL & 700' FEL

Sec. 30 T17s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Brenner Brothers #1-30
1090' FNL & 700' FEL
Sec. 30 T17s R21w
Ness County, Kansas
API # 15-135-25884-0000

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

Geologist: Jason T Alm

Spud Date: October 22, 2015

Completion Date: November 2, 2015

Elevation: 2217' Ground Level
2225' Kelly Bushing

Directions: Bazine KS, East ½ mi. to EE Rd. North 5 ½ mi.
East into location.

Casing: 223' 8 5/8" surface casing
4299' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Trilobite Testing, Inc. "Ken Swinney"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc. Brenner Brothers #1-30 Sec. 30 T17s R21w 1090' FNL & 700' FEL
Formation	
Anhydrite	1521', +704
Base	1554', +671
Heebner	3685', -1460
Lansing	3732', -1507
BKC	4001', -1776
Pawnee	4104', -1879
Fort Scott	4187', -1962
Cherokee	4206', -1981
Mississippian	4275', -2050
Osage	4284', -2059
RTD	4300', -2075

Sample Zone Descriptions

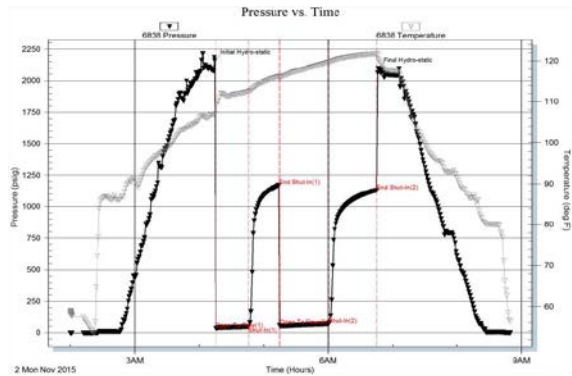
- Fort Scott (4187', -1962): Not Tested**
 Ls – Fine to sub-crystalline with pinpoint inter-crystalline porosity, very light spotted oil stain, mostly barren and tite, fair yellow fluorescents, 56 units hotwire.
- Mississippian Osage (4284', -2059): Covered in DST #1 & 2**
 Dolo – Δ – Fine sucrosic crystalline with poor inter-crystalline porosity, very heavy slightly triptolic chert, partially weathered with good vuggy porosity, light to fair oil stain with light scattered saturation in porosity, fair scattered yellow fluorescents, 55 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Ken Swinney"

DST #1 Mississippian Osage

Interval (4291' – 4300') Anchor Length 9'

IHP	- 2158 #	
IFP	- 30" – Built to 6 in.	33-48 #
ISI	- 30" – Dead	1172 #
FFP	- 45" – Built to 9 in.	57-69 #
FSI	- 45" – V.W.S.B.	1130 #
FHP	- 2097 #	
BHT	- 121°F	



Recovery: 63' GIP
 31' MWCO 80% Oil, 10% Water
 31' MCWO 40% Oil, 40% Water
 63' OCMW 5% Oil, 75% Water

Structural Comparison

	American Warrior, Inc. Brenner Brothers #1-30 Sec. 30 T17s R21w 1090' FNL & 700' FEL	William N Bucklin Brenner #1 Sec. 30 T17s R21w 660' FNL & 560' FEL	NA	William N Bucklin Brenner #6 Sec. 30 T17s R21w 1650' FNL & 600' FEL	NA
Formation					
Anhydrite	1521', +704	NA	NA	NA	NA
Base	1554', +671	NA	NA	NA	NA
Heebner	3685', -1460	3686', -1458	(-2)	3674', -1455	(-5)
Lansing	3732', -1507	NA	NA	NA	NA
BKC	4001', -1776	4006', -1778	(+2)	3992', -1773	(-3)
Pawnee	4104', -1879	4106', -1878	(-1)	4094', -1875	(-4)
Fort Scott	4187', -1962	4187', -1959	(-3)	4180', -1961	(-1)
Cherokee	4206', -1981	4208', -1980	(-2)	4196', -1977	(-4)
Mississippian	4275', -2050	4280', -2052	(+2)	4264', -2045	(-5)
Osage	4284', -2059	NA	NA	NA	NA

Summary

The location for the Brenner Brothers #1-30 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 Brenner Brothers #1-30 well.

Recommended Perforations

Primary:

Mississippian Osage

4288' – 4298'

DST #1

Before Abandonment:

Fort Scott

4194' – 4198'

Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.