

Geological Report

American Warrior, Inc.

Dianne #1-20

400' FNL & 2310' FEL

Sec. 20 T19s R21w

Ness County, Kansas

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American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Dianne #1-20
420' FNL & 2310' FEL
Sec. 20 T19s R21w
Ness County, Kansas
API # 15-135-24936-0000

Drilling Contractor: Petromark Drilling, LLc Rig #1

Geologist: Jason Alm

Spud Date: September 14, 2009

Completion Date: September 22, 2009

Elevation: 2236' Ground Level
2242' Kelly Bushing

Directions: Bazine KS, from the south side of town, South on DD rd. to 100 rd. West on 110 rd. 1 mi. to EE rd. South on EE rd. to 90 rd. West on 90 rd. ½ mi. South into location.

Casing: 221' 8 5/8" surface casing
4360' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Jason McLemore"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc.
	Dianne #1-20
	Sec. 20 T19s R21w
	420' FNL & 2310' FEL
Anhydrite	1451', +791
Base	1485', +757
Heebner	3714', -1472
Lansing	3759', -1517
BKc	4090', -1848
Pawnee	4170', -1928
Fort Scott	4247', -2005
Cherokee	4266', -2024
Mississippian	4341', -2099
RTD	4361', -2119

Sample Zone Descriptions

Cherokee Sand (4268', -2026): **Covered in DST #1**
 SS – Fine grained, sub-rounded, fairly cemented, well sorted with poor to fair inter-granular porosity, light oil stain in porosity, light cut fluorescents, no odor, 13 units hotwire.

Mississippian Osage (4341', -2099): **Covered in DST #2**
 Dolo – Δ – Fine sucrosic crystalline with fair to good vuggy porosity, heavy chert, triptolitic, heavily weathered with good oil stain and saturation, good odor, bright yellow fluorescents, 28 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Jason McLemore"

DST #1

Cherokee Sand

Interval (4264' – 4285') Anchor Length 21'

IHP	– 2083 #	
IFP	– 30" – W.S.B.	17-18 #
ISI	– 30" – Dead	67 #
FFP	– 15" – Dead	18-19 #
FHP	– 2053 #	
BHT	– 113°F	

Recovery: 2' Mud with oil spots

DST #2

Mississippian Osage

Interval (4342' – 4356') Anchor Length 14'

IHP	– 2148 #	
IFP	– 45" – B.O.B. 39 min.	19-67 #
ISI	– 45" – W.S.B.	1200 #
FFP	– 45" – B.O.B. 33 min.	72-95 #
FSI	– 45" – Dead	1193 #
FHP	– 2119 #	
BHT	– 121°F	

Recovery:	120' GIP	
	180' Clean Oil	Gravity: 41° API
	60' OCM	25% Oil

Structural Comparison

	American Warrior, Inc. Dianne #1-20 Sec. 20 T19s R21w 420' FNL & 2310' FEL	Kansas Oil Corp. Wilhelm #1 Sec. 20 T19s R21w NE NE NW		Barnett Hinnergardt #1 Sec. 20 T19s R21w NW NE NE	
Formation					
Anhydrite	1451', +791	1465', +791	(FL)	NA	NA
Base	1485', +757	NA	NA	NA	NA
Heebner	3714', -1472	3726', -1470	(-2)	3730', -1478	(+6)
Lansing	3759', -1517	3771', -1515	(-2)	3774', -1522	(+5)
BKc	4090', -1848	NA	NA	NA	NA
Pawnee	4170', -1928	NA	NA	NA	NA
Fort Scott	4247', -2005	4270', -2014	(+9)	4271', -2019	(+14)
Cherokee	4266', -2024	NA	NA	NA	NA
Mississippian	4341', -2099	4370', -2114	(+14)	4382', -2130	(+31)

Summary

The location for the Dianne #1-20 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of 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 1/2 inch production casing to further evaluate the Dianne #1-20 well.

Recommended Perforations

Mississippian Osage: (4341' – 4356') DST #2

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.