15-077-21573

Geological Report

Marvel #2

Sec. 1 T31S R8W

NE SW SW NE

2300 FNL 2210 FEL

Harper Co.

Jason Alm
Consulting Petroleum Geologist

American Warrior, Inc.

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Consulting Petroleum Geologist

Operator:	**American Warrior, Inc.**
Contractor:	**Duke Drilling Co., Inc. Rig #5**
Well:	**Marvel #2-1**
Legal:	**Sec. 1 T31S R8W 2300' FNL 2210' FEL**
Elevation:	**1637' K.B. 1626' G.L.**
Drilling Time:	**From: 3200' To: RTD**
Samples	**From: 3200' To: RTD**
Displace:	**3200'**
Mud:	**46-50+ Vis. 8.8-9.6 Wt. 9.0 or less WL.**
Call Point:	**3200'**
Stop Point:	**4380'**
First DST:	**4395'**
Geologist:	**Jason Alm**
Phone:	**785-635-5586 Cell**

Tops:

Lansing: 3610'	**Swope: 4000'**	**Marmaton: 4130'**
Mississippi: 4380'	**Viola: 4740'**	**Simpson: 4760'**
Arbuckle: 4900'	**RTD: 5050'**	

Instructions: Call Daily drilling reports to operator and geologist.
Call Anhydrite top and bottom to operator and geologist when drilled.
Keep hole full on trips. Run a straight hole survey and strap pipe on first trip out of hole.

General Data

Drilling Contractor:	Duke Drilling Co., Inc. Rig #5
Spud Date:	February 2, 2007
Completion Date:	February 18, 2007
Elevation:	1626' Ground Level 1637' Kelly Bushing
Casing:	219' 10 3/4" Surface Casing 250 sks 60/40 4970' 7" Production Casing 150 sks common
Samples:	10' wet and dry, 3200' to RTD
Drilling Time:	3200' to RTD
Electric Logs:	Wedge - Log Tech "Butch Drylie" Dual Induction, Compensated Neutron Density, Microlog
Drillstem Tests:	One, Trilobite Testing Inc. "Leal Cason"
Problems:	Twisted off when drilling out from under surface. Rig froze up periodically. The tester's flow hose was plugged with ice causing no blows for DST #1.

Structural Comparison

Formation	American Warrior Marvel #2 Oil&Gas	American Warrior Marvel #1 Oil&Gas	Pickrell Drlg Co., Inc. #1 Wolf "D" Oil&Gas
Heebner	3382', -1745	-1750	-1736
Lansing	3632', -1995	-1990	-1979
Kansas City	3873', -2236	-2238	-2228
Dennis	4008', -2371	-2369	NA
Swope	4030', -2393	-2393	NA
Hertha	4063', -2426	-2423	NA
BKc	4124', -2487	-2482	-2479
Marmaton	4140', -2503	-2496	NA
Cherokee	4272', -2635	-2629	-2626
Mississippi	4403', -2766	-2737	-2756
Kinderhook	4645', -3008	-3007	-3001
Viola	4756', -3119	-3117	-3110
Simpson	4780', -3143	-3137	-3133
Arbuckle	4920', -3283	NA	NA

Sample Zone Descriptions

Swope (4030', -2393):

Ls – Fine crystalline, Fossil oolite packstone with poor oomoldic porosity. Dull yellow fluorescents. Light brown oil stain in porosity. No show of free oil. 80 units hotwire. Slight chert.

Hertha (4060', -2423):

Ls – Fine crystalline. Fossil oolite packstone with poor to fair oomoldic and oolicastic porosity. Light brown spotted oil stain. Fair to good bright yellow gas and oil cut spotted fluorescents. 110 units hotwire.

Mississippi (4403', -2766):

Dolo, Chert – Clear to Brown. "Sandy", Dolomitic. **Heavy Oil Stain and Saturation**. **Good Show Of Free Oil**. Fair Odor. Heavy bright yellow gas and oil cut fluorescents. **360 units hotwire**.

Viola (4756', -3119):

Dolo – Fine to Microcrystalline. Dense. Heavy chert. Slight light brown oil stain. Poor dull yellow fluorescents. 120 units hotwire.

Simpson (4780', -3143):

Sandstone – Fine to medium grained, sub-angular, poorly sorted. Slight gilsonite. Dull yellow fluorescents. 160 units hotwire. No show of free oil.

Drill Stem Tests

Trilobite Testing Inc.
Leal Cason

DST #1 Mississippi Dolomite
Interval (4401' – 4413') Anchor Length 12'
IHP – 2198 #
IFP – 30" – No Blow, Flush, No Blow 117-152 #
ISI – 30" – No Blow 1097 #
FFP – 5" – No Blow, Flush, No Blow 167 #
FSI – 0" –
FHP – 2162 #
BHT - 122°F

Recovery: 300' GSY SOCMW 8% Oil
120' Mud

No blows on the initial and final flows were due to the flow hose being plugged with ice. The decision was made not to re-run.

Summary

The Marvel #2-1 well was drilled with the intention of Mississippi production and once the primary production has ceased the well will be converted into a brine water disposal.

The well ran consistent structurally to what was expected via 3-D seismic survey. The well ran low to some producers north of the location but high to most south. A drill stem test was conducted in the Mississippi but the results proved inconclusive due to equipment failure. Electric Logs were run indicating positive Mississippi development.

After all gathered data was thoroughly examined the decision was made to run 7 inch casing to further evaluate the possibility of Mississippi oil and gas production. The casing was set 215 foot off of bottom for the open hole Arbuckle disposal.

Recommended Perforations

Mississippi 4403' – 4410'