Geological Report

American Warrior, Inc.

Lexington Morrow #1HZ

521' FNL & 841' FEL Sec 19, T31s, R21w Clark County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Lexington Morrow #1HZ 521' FNL & 841' FEL Sec. 19, T31s, R21w Clark County, Kansas API # 15-025-21592-00-00			
Drilling Contractor:	Duke Drilling Co. Rig #7			
Geologist:	Luke Thompson			
Spud Date:	August 23, 2016			
Completion Date:	September 4, 2016			
Elevation	2172' G.L. 2185' K.B.			
Directions:	From the center of Bucklin, KS at the intersection of Hwy 54 and Hwy 34 go 15 miles south to the NE corner of 19-31s-21w, go 0.4 miles south on Hwy 34 to ingress with cattle guard. Take lease road N then W then N to location			
Casing:	60' 20" Conductor Casing 670' 9 5/8" Surface Casing			
Samples:	4300' to RTD 30' wet & dry			
Drilling Time:	4300' to RTD			
Electric Logs:	Pioneer Energy Services "D. Schmidt" Full Sweep			
Drillstem Tests:	Three-Trilobite Testing "Ken Swinney"			
Problems:	Bridge @ 4670'			

Formation Tops

Lexington Morrow #1HZ 521' FNL & 841' FEL Sec. 19, T31s, R21w

Anhydrite	1184' +1001
Base	1210' +975
Heebner	4304' -2119
Lansing	4500' -2315
BKC	4959' -2774
Marmaton	4980' -2795
Cherokee	5140' -2955
Morrow	5214' -3029
Morrow Sand	5235' -3050
Mississippi	5322' -3137
RTD	5400' -3215
LTD	5402' -3217

Sample Zone Descriptions

Morrow (5240', -3055): Covered in DST #1-3

Sandstone, clear/white/brown, med grain, sub round, poor to fair sorting, poor cementation, good inter-crystalline porosity, fair/light odor, fair/poor show of free oil, fair show of free oil when crushed, good flush cut. Gas

Drill Stem Tests

Trilobite Testing "Ken Swinney"

DST #1 Morrow (straddle)

Interval (5192' – 5240') Anchor Length 48', Tail Pipe 162'

Hit bridge at 4670'

DST #2 Morrow (straddle)

Interval (5192' – 5204') Anchor Length 48', Tail Pipe 162'

IHP - 2728 #

IFP - 30" – 2" in 6 min (light surging) 77-76 #

ISI - 30" – no return 301 #

FFP - 30" – wsb died in 2 min Flush no help 62-118#

FSIP - 30" – no return 301 #

FHP - 2626 #

BHT - 114 ° F

Recovery: 120' M

Tool Plugged

DST #3 Morrow (straddle)

Interval (5192' – 5245') Anchor Length 53', Tail Pipe 157'

IHP - 2669 #

IFP - 30" – BOB 3 min 221-300#

ISI - 45" – No Return 301#

FFP - 30" – No Blow Flush surged and died 301-303 #

FSIP - 45" – no return 303#

FHP - 2552 #

BHT - 114 ° F

Recovery: 542' MW w/skim of oil in sample

Structural Comparison

	American Warrior, Inc.		Mesa Petroleum Co.		Mesa Petroleum Co.
	Lexington Morrow #1HZ		Seacat #5-19		Seacat #14-19
	Sec. 19, T31s, R21w		Sec. 19, T31s, R21w		Sec. 19, T31s, R21w
Formation	521' FNL & 841' FEL		660, FNL & 660' FEL		4720' FSL & 1720' FEL
Heebner	4304' -2119	-8	4300' -2111	+4	4265' -2123
Lansing	4500' -2315	-10	4494' -2305	-5	4452 -2310
BKC	4959' -2774	-13	4950' -2761	0	4916' -2774
Marmaton	4980' -2795	-14	4970' -2781	-3	4934' -2792
Cherokee	5140' -2955	-12	5132' -2943	+8	5105' -2963
Morrow	5214' -3029	-14	5204' -3015	+9	5180' -3038
Morrow SD	5235' -3050	-13	5226' -3037	+5	5197' -3055
Mississippi	5322' -3137	-14	5302' -3113	-19	5260' -3118

Summary

The location for the Lexington Morrow #1HZ well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem test were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made plug and abandon the Lexington Morrow #1HZ well.

Respectfully Submitted,

Lukas Thompson American Warrior, Inc.