Geological Report

Weber #2-7
1425' FNL & 335' FWL
Sec. 7 T13s R19w
Ellis County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Weber #2-7 1425' FNL & 335' FWL Sec. 7 T13s R19w Ellis County, Kansas API # 15-051-26855-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #2
Geologist:	Jason T Alm, Casey Kraus
Spud Date:	December 12, 2016
Completion Date:	December 18, 2016
Elevation:	2144' Ground Level 2152' Kelly Bushing
Directions:	Yocemento KS, West on Old Hwy 40 to 160 Rd. North approx. 2 ½ mi. East into location just north of I-70 bridge.
Casing:	230' 8 5/8" surface casing 3909' 5 1/2" production casing
Samples:	10' wet and dry, 3200' to RTD
Drilling Time:	3100' to RTD
Electric Logs:	Pioneer Energy Services "Jerrod Long" CNL/CDL, DIL, MEL
Drillstem Tests:	One, Trilobite Testing, Inc. "Ray Schwager"
Problems:	None
Remarks:	None

Formation Tops

1	
	American Warrior, Inc.
	Weber #2-7
	Sec. 7 T13s R19w
Formation	1425' FNL & 335' FWL
Anhydrite	1477' +675
Base	1523' +629
Topeka	3189' -1037
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Heebner	3425' -1273
Toronto	3446' -1294
Lansing	3466' -1314
BKC	3708' -1556
Marmaton	3760' -1608
Conglomerate	3787' -1635
Arbuckle	3824' -1672
LTD	3910' -1758
RTD	3910' -1758

Sample Zone Descriptions

LKC "C" zone (3496' -1344): Covered in DST #1

Ls – Fine crystalline, oolitic with poor to fair oolicastic porosity, light to fair oil stain with light spotted saturation, fair show of free oil, light odor, dull yellow spotted fluorescents.

LKC "E" zone (3540' -1388): Not Tested

Ls – Fine to sub-crystalline with scattered pinpoint inter-crystalline porosity, light brown spotted oil stain, slight show of free oil on cup, slight odor.

LKC "F" zone (3532', -1392): Not Tested

Ls – Fine to sub-crystalline, oolitic with fair oomoldic porosity, light to dark brown oil stain, no show of free oil, very slight odor.

LKC "K" zone (3648' -1496): Not Tested

Ls – Fine crystalline, oolitic packstone with poor to fair oolicastic porosity, light spotted oil stain in porosity, no show of free oil, very light odor.

LKC "L" zone (3648' -1496): Not Tested

Ls – Fine crystalline, oolitic with poor to scattered good oolicastic porosity, light to heavy oil stain with scattered good saturation, slight show of free oil when broken, light odor.

Marmaton (3760' -1608): **Not Tested**

Ls – Fine to sub-crystalline, oolitic with scattered fair oolicastic and oomoldic porosity, light spotted to good oil stain with scattered heavy saturation, fair to good show of free oil, light to fair odor, very heavy orange chert, mostly fresh, few weathered pieces.

Conglomerate (3787' -1635): Not Tested

Chert – Multicolored, weathered in part, mostly fresh, with poor to fair scattered vuggy porosity, light to very heavy oil stain with scattered heavy oil saturation, good show of free oil, fair odor, few random quartz grains.

Arbuckle (3824' -1672): Not Tested

Dolo – Fine to sub-crystalline with scattered poor to fair vuggy porosity, tarry oil stain and saturation, no show of free oil, no odor.

Drill Stem Tests

Trilobite Testing, Inc. "Ray Schwager"

DST #1 Toronto thru LKC "C"

Interval (3424' – 3515') Anchor Length 91'

IHP - 1630 #

IFP -30" – Built to $\frac{3}{4}$ in. 22-97 #

ISI – 30" – Dead 872 #

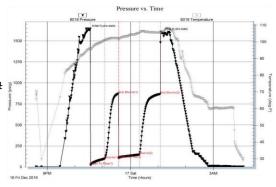
FFP - 45" - B.O.B. 23 min. 104-148 #

FSI – 45" – Dead 866 #

FHP - 1593 # BHT - 106°F

Recovery: 405' GIP

186' MGO 65% Oil 154' MGO 60% Oil



Structural Comparison

	American Warrior, Inc.	Graham Michaelis Corp		American Warrior, Inc.	
	Weber #2-7	Wolf #5-7	Weber #1-7		
	Sec. 7 T13s R19w	Sec. 7 T13s R19w	19w Sec. 7 T13s R19w		
Formation	1425' FNL & 335' FWL	NW NW SW		993' FNL & 1845' FEL	
Anhydrite	1477' +675	NA	NA	1470' +662	(+13)
Base	1523' +629	NA	NA	1514' +618	(+11)
Topeka	3189' -1037	3158' -1037	FL	3187' -1055	(+18)
Heebner	3425' -1273	3396' -1275	(+2)	3422' -1290	(+17)
Toronto	3446' -1294	3418' -1297	(+3)	3443' -1311	(+17)
Lansing	3466' -1314	3438' -1317	(+3)	3463' -1331	(+17)
BKC	3708' -1556	3883' -1562	(+6)	3712' -1580	(+24)
Marmaton	3760' -1608	3731' -1610	(+2)	3756' -1624	(+16)
Conglomerate	3787' -1635	3764' -1643	(+8)	3782' -1650	(+15)
Arbuckle	3824' -1672	3782' -1661	(-11)	3858' -1726	(+54)

Summary

The location for the Weber # 2-7 was found via 3-D seismic survey. The new well ran structurally as expected on all datums except the Arbuckle Formation. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Lansing-Kansas City "C" zone. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Weber #2-7 well.

Recommended Perforations

Primary:		
LKC K zone	3658' – 3666'	Not Tested
LKC C zone	3501' – 3505'	DST #1
Secondary:		
Cong. Chert	3786' – 3806'	Not Tested
LKC E zone	3542' – 3548'	Not Tested
Before Abandonment:		
Pleasonton	3719' – 3724'	Not Tested
LKC L zone	3696' - 3701'	Not Tested

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.