Geological Report

Lewis #1-26

1379' FSL & 1626' FWL Sec. 26 T15s R30w Gove County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Lewis #1-26 1379' FSL & 1626' FWL Sec. 26 T15s R30w Gove County, Kansas API # 15-063-22294-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #2
Geologist:	Jason T Alm
Spud Date:	August 29, 2016
Completion Date:	September 5, 2016
Elevation:	2637' Ground Level 2645' Kelly Bushing
Directions:	Healy KS, at the intersection of Dodge Rd and Hwy 4, North 8 miles to Gove Co C Rd, West 1 mi, South and East into location.
Casing:	233' 8 5/8" surface casing4399' 5 1/2" production casing
Samples:	10' wet and dry, 3600'' to RTD
Drilling Time:	3300' to RTD
Electric Logs:	Pioneer Energy Services "Tim Martin" CNL/CDL, DIL, MEL, BHCS
Drillstem Tests:	Three, Trilobite Testing, Inc. "Mike Roberts"
Problems:	None
Remarks:	There was H2S gas present in the recovery for DST #2. Be Careful when completing that zone.

	American Warrior, Inc.		
	Lewis #1-26		
	Sec. 26 T15s R30w		
Formation	1379' FSL & 1626' FWL		
Anhydrite	2054', +591		
Base	2083', +562		
Heebner	3691', -1046		
Toronto	3712', -1067		
Lansing	3732', -1087		
BKC	4069', -1424		
Marmaton	4118', -1473		
Pawnee	4184', -1539		
Fort Scott	4239', -1594		
Cherokee	4263', -1618		
Johnson	4305', -1660		
Mississippian	4342', -1697		
LTD	4400', -1755		
RTD	4400', -1755		

Formation Tops

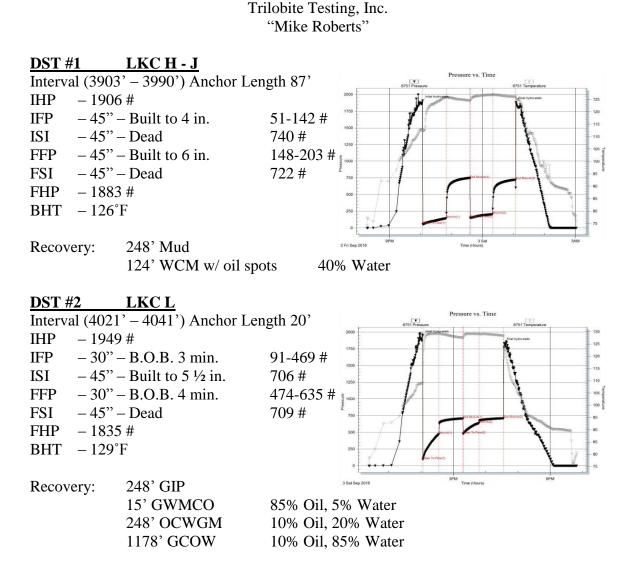
Sample Zone Descriptions

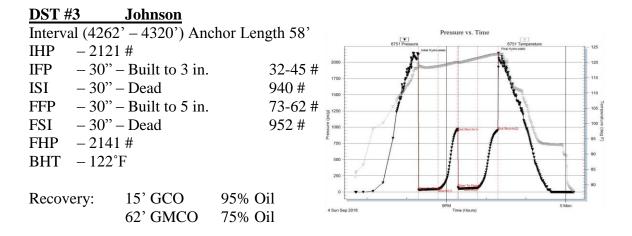
LKC H (3910', -1265): **Covered in DST #1** Ls – Fine to sub-crystalline, oolitic with poor oolicastic porosity, light to fair oil stain in porosity, slight show of free oil when broken, very light odor, dull to fair yellow fluorescents, fair cut, 20 units hotwire. LKC I (3942', -1297): **Covered in DST #1** Ls - Fine crystalline, fossiliferous, oolitic with poor oolicastic and inter-fossil porosity, light to fair oil stain, slight show of free oil when broken, very light odor, fair yellow fluorescents, good cut, 61 units hotwire. LKC J (3966', -1321): **Covered in DST #1** Ls - Fine crystalline, oolitic packstone with fair to good oomoldic porosity, light to fair oil stain with light scattered saturation, fair show of free oil when broken, fair odor, light to fair yellow fluorescents, fair cut, 94 units hotwire.

LKC L (4029', -1384): Covered in DST #2 Ls – Fine to coarse crystalline with fair to good inter-crystalline porosity, light to fair oil stain and saturation in porosity, fair show of free oil, strong "sour" odor, scattered fair yellow fluorescents, good spotted cut, 121 units hotwire. Johnson (4305', -1660): Covered in DST #3

Drill Stem Tests

Ls – Fine to sub-crystalline with poor to fair inter-crystalline and pinpoint vuggy porosity, light to good oil stain with light to good scattered saturation, slight show of free oil when broken, no odor, light spotted yellow fluorescents, good cut.





Structural Comparison

	American Warrior, Inc.	White & Ellis Drilling	White & Ellis Drilling		
	Lewis #1-26	Bretton #1-26	L Evans #1-26		
	Sec. 26 T15s R30w	Sec. 26 T15s R30w	Sec. 26 T15s R30w		
Formation	1379' FSL & 1626' FWL	NE NE SW	2970' FSL & 3300' FEL		
Anhydrite	2054', +591	2043', +588	(+3)	2037', +592	(-1)
Base	2083', +562	2069', +562	FL	2064', +565	(-3)
Heebner	3691', -1046	3674', -1043	(-3)	3669', -1040	(-6)
Toronto	3712', -1067	NA	NA	NA	NA
Lansing	3732', -1087	3713', -1082	(-5)	3709', -1080	(-7)
BKC	4069', -1424	NA	NA	NA	NA
Marmaton	4118', -1473	NA	NA	NA	NA
Pawnee	4184', -1539	4176', -1545	(+6)	4171', -1542	(+3)
Fort Scott	4239', -1594	4235', -1604	(+10)	4227', -1598	(+4)
Cherokee	4263', -1618	4262', -1631	(+13)	4253', -1624	(+6)
Johnson	4305', -1660	4303', -1672	(+12)	4294', -1665	(+5)
Mississippian	4342', -1697	4354', -1723	(+26)	4327', -1698	(+1)

Summary

The location for the Lewis #1-26 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three Drill Stem Tests were conducted, two of which recovered commercial amounts of oil from the Lansing-Kansas City and Johnson zones. After all gathered data had been examined the decision was made to run $5\frac{1}{2}$ inch production casing to further evaluate the Lewis #1-26 well.

Recommended Perforations

Primary:		
Johnson zone	(4306' - 4308')	DST #3
	(4315' – 4318')	
Secondary:		
LKC L	(4030' – 4034')	DST #2
Before Abandonment:		
LKC J	(3969' – 3976')	DST #1

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.