Geological Report

Bemis #1-29
1868’ FNL & 788’ FEL
Sec. 29 T13s R19w
Ellis County, Kansas

Flatland Resources Corporation

General Data

Well Data:	Flatland Resources Corporation Bemis #1-29 1868’ FNL & 788’ FEL Sec. 29 T13s R19w Ellis County, Kansas API # 15-051-26820-0000
Drilling Contractor:	Discovery Drilling Co. Inc. Rig #3
Geologist:	Jason T Alm
Spud Date:	January 31, 2016
Completion Date:	February 8, 2016
Elevation:	2154’ Ground Level 2162’ Kelly Bushing
Directions:	Intersection of Highway 40 and Yocemento Rd, ¾ mi south on Yocemento Rd, West through gate 2 miles along trail to location.
Casing:	219’ 8 5/8” surface casing
Samples:	10’ wet and dry, 3150’ to RTD
Drilling Time:	3100’ to RTD
Electric Logs:	Pioneer Energy Services “Dan Schmidt” CNL/CDL, DIL, MEL
Drillstem Tests:	Four, Trilobite Testing, Inc. “Jim Svaty”
Problems:	None
Remarks:	Rig shut down for a day due to snow storm

Formation Tops

Formation	Flatland Resources Corp Bemis #1-29 Sec. 29 T13s R19w 1868' FNL & 788' FEL
Anhydrite	**1485', +677**
Base	**1528', +634**
Topeka	**3208', -1046**
Heebner	**3444', -1284**
Toronto	**3467', -1305**
Lansing	**3489', -1327**
BKC	**3739', -1577**
Marmaton	**3785', -1623**
Arbuckle	**3837', -1675**
LTD	**3913', -1751**
RTD	**3920', -1758**

Sample Zone Descriptions

Toronto **(3467', -1305): Covered in DST #1**
Ls – Fine crystalline with poor inter-crystalline and scattered vuggy porosity, light oil stain in porosity, slight show of free oil when broken, no odor, very light yellow fluorescents.

LKC "C" zone **(3518', -1356): Covered in DST #1**
Ls – Fine crystalline, oolitic with poor to fair oomoldic and scattered poor inter-crystalline porosity, light to fair spotted oil stain, slight show of free oil, light odor, light yellow flourescents.

LKC "F" zone **(3575', -1413): Covered in DST #2**
Ls – Fine to sub-crystalline with poor to fair vuggy and inter-crystalline porosity, light oil stain in porosity, fair show of free oil, light odor, dull to fair yellow fluorescents.

LKC "H" zone **(3623', -1461): Covered in DST #3**
Ls – Fine to sub-crystalline, oolitic with poor oomoldic and oolicastic porosity, light to fair oil stain and saturation, slight show of free oil when broken, light odor, fair yellow fluorescents.

LKC "I" zone **(3647', -1485): Covered in DST #3**

Ls – Fine to sub-crystalline, oolitic with poor to fair oomoldic and oolicastic porosity, light brown oil stain in porosity, slight show of free oil when broken, light odor.

Arbuckle **(3837', -1675): Covered in DST #4**

Dolo – Fine to medium rhombic crystalline with poor to fair inter-crystalline and vuggy porosity, light to heavy oil stain with scattered fair saturation, fair show of free oil, good odor.

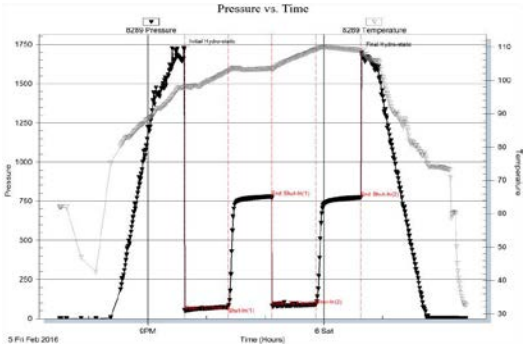
Drill Stem Tests

Trilobite Testing, Inc.
"Jim Svaty"

DST #1 Toronto thru LKC "C"

Interval (3446' – 3535') Anchor Length 89'

IHP	– 1718 #	
IFP	– 45" – Built to 2 in.	51-74 #
ISI	– 45" – Dead	779 #
FFP	– 45" – W.S.B.	80-89 #
FSI	– 45" – Dead	772 #
FHP	– 1697 #	
BHT	– 109˚F	

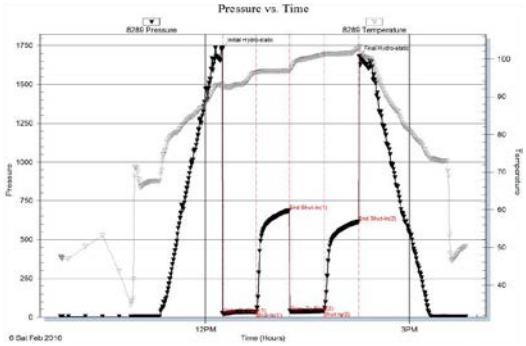


Recovery: 95' Oil Spotted Mud

DST #2 LKC "D-F"

Interval (3533' – 3585') Anchor Length 52'

IHP	– 1734 #	
IFP	– 30" – Built to 2 ¾ in.	24-34 #
ISI	– 30" – Dead	685 #
FFP	– 30" – W.S.B.	37-41 #
FSI	– 30" – Dead	615 #
FHP	– 1682 #	
BHT	– 103˚F	



Recovery: 57' WCM w/ Oil Spots 30% Water

DST #3 LKC "H-K"

Interval (3608' – 3700') Anchor Length 92'

IHP – 1791 #

IFP – 30" – Built to 1 ½ in. 23-26 #

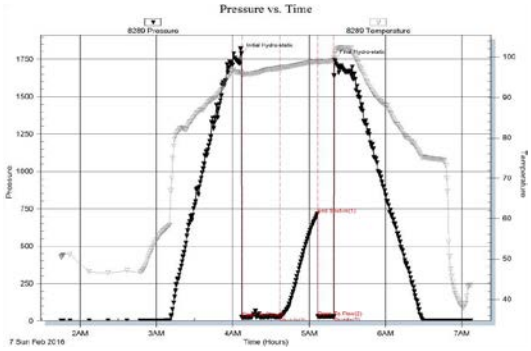
ISI – 30" – Dead 716 #

FFP – 10" – Dead 28-29 #

FHP – 1745 #

BHT – 100˚F

Recovery: 10' Oil Spotted Mud



DST #4 Arbuckle

Interval (3798' – 3853') Anchor Length 55'

IHP – 1944 #

IFP – 30" – Built to ¼ in. 24-24 #

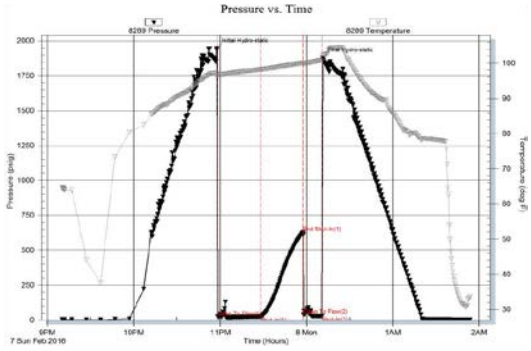
ISI – 30" – Dead 628 #

FFP – 10" – Dead 38-28 #

FHP – 1878 #

BHT – 101˚F

Recovery: 5' OCM 15% Oil



Structural Comparison

Formation	**Flatland Resources Corp** **Bemis #1-29** **Sec. 29 T13s R19w** **1868' FNL & 788' FEL**	Yost Oil Operations, Inc. Bemis #1 Sec. 28 T13s R19w 990' FNL & 990' FWL		Rains & Williamson Bemis #1 Sec. 20 T13s R19w N2 S2 SE	
Anhydrite	**1485', +677**	1513', +679	**(-2)**	1416', +681	**(-4)**
Base	**1528', +634**	1555', +637	**(-3)**	1459', +638	**(-4)**
Topeka	**3208', -1046**	3237', -1045	**(-1)**	NA	**NA**
Heebner	**3444', -1284**	3480', -1288	**(+4)**	3373', -1276	**(-8)**
Toronto	**3467', -1305**	3505', -1313	**(+8)**	3396', -1299	**(-6)**
Lansing	**3489', -1327**	3526', -1334	**(+7)**	3418', -1321	**(-6)**
BKC	**3739', -1577**	3776', -1584	**(+7)**	3664', -1567	**(-10)**
Marmaton	**3785', -1623**	3808', -1616	**(+7)**	3719', -1622	**(-1)**
Arbuckle	**3837', -1675**	Not Reached	**NR**	3773', -1676	**(+1)**

Summary

The location for the Bemis #1-29 was found via 3-D seismic survey. The new well ran slightly lower structurally than expected via the survey. Four Drill Stem Tests were conducted, all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the Bemis #1-29 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.