

Geological Report

Meridian Energy, Inc.
Anderson #2
330' FNL & 1320' FWL
Sec. 4 T10s R19w
Rooks County, Kansas

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Harley K. Sayles

General Data

Well Data: Meridian Energy, Inc.
Andreson #2
330' FNL & 1320' FWL
Sec. 4 T10s R19w
Rooks County, Kansas
API # 15-163-24152-0000

Drilling Contractor: Royal Drilling Co. Rig #1

Geologist: Harley Sayles

Spud Date: September **, 2012

Completion Date: October 2, 2012

Elevation: 2204' Ground Level
2211' Kelly Bushing

Directions: Zurich KS, 1.0 mi south on 10 Rd, 0.8 mi West on Y Rd, 0.1 mi
South into location

Casing: 20# 8 5/8" surface casing set @ 223,

Samples: 30' wet and dry, 3000' to 3150'
10' wet and dry, 3150' to RTD

Drilling Time: 2500' to RTD

Electric Logs: Compensated Density Neutron, Dual Induction, Microresistivity

Drillstem Tests: One, "Brannan L."

Problems: None

Remarks: None

Formation Tops

	Meridian Energy, Inc.
	Andreson #2
	Sec. 4 T10s R19w
Formation	330' FNL & 1320' FWL
Anhydrite	1588', +623
Base	1621', +590
Topeka	3179', -968
Heebner	3386', -1175
Toronto	3406', -1195
Lansing	3413', -1202
Lansing A	3424', -1213
Lansing B	3444', -1233
Lansing C	3458', -1247
Lansing D	3478', -1267
Lansing E-F	3493', -1282
Lansing G	3503', -1292
Lansing H	3557', -1346
Lansing I	3575', -1364
Lansing J	3586', -1375
Lansing K	3613', -1402
Lansing L	3647', -1436
Conglomerate	3664', -1453
Simpson	3704', -1493
Arbuckle	3729', -1518
RTD	3810', -1599
LTD	3810', -1599

Sample Zone Descriptions

- Topeka (lower) (3179', -968)**
 Ls- Tan, fine crystalline, poor inter-crystalline porosity, very poor vuggy porosity, poor oomoldic porosity, slight show of free oil, partial scattered saturation and stain, slight odor, dull yellow florescence
- Toronto (3406', -1195)**
 Ls- Cream, sub crystalline, very poor vuggy porosity, very slight show of free oil, no odor on break
- Lansing A (3424', -1213)**

Ls- Tan, sub crystalline, poor to fair intra fossil vug porosity, slight show of free oil on break, weak odor

Lansing C

(3458', -1247)

Ls- Tan, fine to sub crystalline, poor to fair intercrystalline porosity, scattered saturation and stain, slight show of free oil on break, weak odor

Lansing D

(3478', -1267)

Ls- Cream to tan, fine to sub crystalline, poor to good intercrystalline porosity, poor inter fossil porosity, slight show of free oil, weak odor

Lansing E-F

(3493', -1282)

Ls- Cream, fine crystalline, poor to fair vuggy porosity, scattered poor intercrystalline porosity, partial saturation and stain, poor intra fossil porosity, slight show of free oil on break, weak odor

Lansing H

(3557', -1346)

Ls- Tan, fine to sub crystalline, scattered poor vuggy porosity, slight show of free oil on break, weak odor

Lansing I

(3575', -1364)

Ls- Cream to tan, fine to sub crystalline, poor to fair inter and intra fossil porosity, partial saturation and stain, fair show of free oil, fair odor

Lansing J

(3586', -1375)

Ls- Tan, fine crystalline, poor to good intercrystalline porosity, poor vuggy porosity, partial to complete saturation and stain, fair to good show of free oil, strong odor, few gas bubbles

Conglomerate

(3664', -1453)

Δ Cht- Orange yellow transparent opaque white, angular, poor vuggy porosity, dead oil stain and live oil, fair show of free oil, weak odor

Arbuckle

(3729', -1518)

Ls- Tan, fine crystalline, fair to very good intercrystalline sucrosic porosity, complete saturation and stain, very good show of free oil, good odor, yellow florescence, scum of oil on top of sample cup, lots of free oil in sample

Drill Stem Tests

Trilobite Testing Inc.

“Brannan L”

DST #1 Lansing D

Interval (3469' – 3500') Anchor Length 31'

IHP	– 1721 #	
IFP	– 2" – Surface blow	17-18 #
ISI	– 45" – No blow back	791 #
FFP	– 45" – No blow	19-20 #
FSIP	– 20" – No blow back	442 #
FHP	– 1681 #	
BHT	– 99 °F	

Recovery: 2' M

Structural Comparison

	Meridian Energy, Inc.	Meridian Energy, Inc.		Stableford & K & E	
	Andreson #2	Andreson #1		Andreson #2	
	Sec. 4 T10s R19w	Sec. 4 T10s R19w		Sec. 4 T10s R19w	
Formation	330' FNL & 1320' FWL	330' FNL & 660' FWL		330' FNL & 1650' FWL	
Anhydrite	1588', +623	1595', +623	flat	1590', +616	(+7)
Base	1621', +590	1630', +588	(+2)	N/A	N/A
Topeka	3179', -968	3188', -970	(+2)	N/A	N/A
Heebner	3386', -1175	3394', -1176	(+1)	3383', -1177	(+2)
Toronto	3406', -1195	3414', -1196	(+1)	N/A	N/A
Lansing	3413', -1202	3421', -1203	(+1)	3420', -1214	(+12)
Lansing A	3424', -1213	3432', -1214	(+1)	N/A	N/A
Lansing B	3444', -1233	3452', -1234	(+1)	N/A	N/A
Lansing C	3458', -1247	3466', -1248	(+1)	N/A	N/A
Lansing D	3478', -1267	3486', -1268	(+1)	N/A	N/A
Lansing E-F	3493', -1282	3502', -1284	(+2)	N/A	N/A
Lansing G	3503', -1292	3512', -1294	(+2)	N/A	N/A
Lansing H	3557', -1346	3564', -1346	flat	N/A	N/A
Lansing I	3575', -1364	3583', -1365	(+1)	N/A	N/A
Lansing J	3586', -1375	3597', -1379	(+4)	N/A	N/A
Lansing K	3613', -1402	3622', -1404	(+2)	N/A	N/A
Lansing L	3647', -1436	3656', -1438	(+2)	N/A	N/A
Conglomerate	3664', -1453	3668', -1450	(-3)	N/A	N/A
Simpson	3704', -1493	3723', -1505	(+12)	N/A	N/A
Arbuckle	3729', -1518	3740', -1522	(+4)	3725', -1519	(+1)
RTD	3810', -1599	3502', -1294		3727', -1521	
LTD	3810', -1599	3502', -1295			

Summary

The location for the Andreson #2 well ran structurally higher than expected on the Arbuckle. One drill stem test was conducted in the Lansing D, which was negative.

After all gathered data had been examined the decision was made to run production casing to further evaluate the Andreson #2.

Respectfully Submitted,

Harley K. Sayles