

## WELL REPORT

**Well: Meridian Energy Inc. #1 Pywell Unit**  
**Approx. NW NE SW Section 29**  
**1300' fnl x 2565' fwl**  
**T. 9 S., R. 19W.**  
**Rooks County, Kansas**

**Elevation: GL 2191**  
**KB 2196**

**Total Depth: Driller 3755 Logger 3755**

**Date spudded: 11/18/14**

**Date completed: 11/24/14**

**Drill Stem Test: KC, A-B, C-D, H-I**

**Results: Ran Pipe to further evaluate**

**Drilling Contractor: Royal Drilling, Rig 1**

**Mud Contractor: Kansas Drilling Technologies Kenn Rupp**

**Logs Run: Gemini- Dual Induction Log/ Neutron/Density, microlog**

**Wellsite Geologist: Neal LaFon- Franktown, Colorado**

### FORMATION TOPS

|                         |             |              |
|-------------------------|-------------|--------------|
| <b>Anhydrite</b>        | <b>1565</b> | <b>+631</b>  |
| <b>Topeka</b>           | <b>3146</b> | <b>- 950</b> |
| <b>Heebner</b>          | <b>3357</b> | <b>-1161</b> |
| <b>Toronto</b>          | <b>3328</b> | <b>-1132</b> |
| <b>Kansas City</b>      | <b>3396</b> | <b>-1200</b> |
| <b>Base Kansas City</b> | <b>3606</b> | <b>-1410</b> |
| <b>Conglomerate</b>     | <b>3606</b> | <b>-1410</b> |
| <b>Simpson?</b>         | <b>3700</b> | <b>-1504</b> |
| <b>Arbuckle</b>         | <b>3718</b> | <b>-1522</b> |
| <b>Total Depth</b>      | <b>3755</b> |              |

**,SAMPLE DESCRIPTIONS  
LAGGED AND CORRELATED BACK TO LOG**

- Topeka Limestone** @3180 trace ls, wt, m xtlm, hd, tt, tr w/dead bitumen, NSFO  
Rest of topeka no shows.
- Toronto** 3354-3365 Ls, buff, soft, vf xtlm, tr w/dead bit/stn, soft,  
porous, NSFO
- Kansas City** \*A 3397-3416 Ls, wt, m oolitic grnstm, cmted, tt, no show, tr w/ sl  
vug por, w/brn stn, SSFO (oil prob washed out), one  
grn ESFO on brk, one grn lt oil stn, gd por (oil  
washed out), DST 1 5' HMCO, 36' Oil.
- B 3416-3423 Ls, wt, micro xtlm, tt, NS
- \* C 3432-3448 Ls, wt, sl pin pt vug por, lt stn, prob washed out,  
poor por. One grn w/better vug por, NSFO,  
excSFO on brk, interior vug full oil, ESFO, f p  
and p. one grn m grnstm, f-gd p and p, vug por, sl  
stn, PSFO DST 2 25' SOCMW
- \*D 3452-3468 Largely Ls, wt, micro xtlm, tt, one grn ls, wt, m  
grnstm, abun vug por, drk blk stn Gd -ESFO
- F 3474-3490 Ls, wt, vf xtlm, microxtlm, some oolitic but cmted  
up, (?3482-84) one grn m grnstm vf pinpt vug  
por, lt stn SSFO, prob wet (on logs)
- G 3490-3516 Ls, wt-gray, micro xtlm, hd tt, tr chalky, ls, soft,  
NS
- \*H 3532-3545 Ls, wt, vf xtlm, tr vf intergran por, gd brn stn,  
SSFO, one grn exc vug por, lt stn, washed out,  
ESFO on brk (lots oil droplets on cups) gd odor  
DST H-I 10' Oil 15" HOCM
- \*I 3552-3580 Ls, brn, f xtlm, tr intergran por, lt stn, PSFO on  
brk, tr vug por, exc p, lt stn, GSFO on brk (abun  
oil droplets on cups) exc odor (fair shows  
throughout I)
- \* J 3590-3604 Ls,wt, m grnston, exc vuggy and interpart por, exc  
p and p, even blk stn, ESFO, not a lot of show,

lots oil scum on cups, gd odor, best show in well... several grns vf xtlm, fair interxylm por blk stn GSFO on brk

**Conglomerate**      **3604 shaly, red, conglomerate**

**3611 lost 500bbls circulation no returns. Stringer at 3610-11 no samples, looks tite on por logs exc for ML?**

**\* 3632-3636 trace Ls, m-c grnstn, white fossils?, blk stn, gd odor, gd stn ESFO on brk, (different rock than J) microlog show a foot of perm here.....lots of oil scum on cups, gd odor!**

**3636-3640 shale, red, chert, red orange NS, Ls, wt grn spots?, wt- hd, tt, NS (drilled off very fast)**

**3640-3650 chert, orange, w.dead bitumen (drilled off very fast)**

**3650-3700 Chert, lots tripolitic w/ bitumen, drilled off very fast**

**Simpson ? RW Arb 3700-3704 Dolo, yellow, pink, f xtlm, tt, NS some sucrosic w abun gilsonite. No live oil, all dead**

**3704-3718 Sh, red, green**

**Arbuckle 3718-3745 Dolo, wt- pink, xtlm, hard, tt, tr grn sh, NS**

**3745-3750 Dolo a/a, few pieces with gd vug por, NS**

**\*= significant testable shows**

#### **DEVIATIONS**

**11//20/14**

**@ 2917**

**1/2**

#### **DSTs**

**Dst 1 3387-3423 KC A-B op30/60/60/90 rec 5' HMCO, 136' Oil, 315 GIP. FP 17-34-34-66 SIP 755-728**

**Dst 2 3421-3470 KC C-D op 45/60/90/90 rec 25' SOCMW 126' GIP FP 32-42 42-54  
SIP 429-422**

**Dst 3 3534-3580 KC H-I op 45/60/60/90 rec 15 HOCM, 10"oil FP 36-39 35-42 SIP  
658 699**