

WELL REPORT

Well: Meridian Energy Inc. #Feldkamp
E/2 E/2 W/2 Section 11
2640' fnl x 2310' fwl
T. 11 S., R. 18W.
Ellis County, Kansas

Elevation: GL 1930
KB 1937

Total Depth: Driller 3570 Logger 3570

Date completed: 6/17/13

Drill Stem Test: Three

Results: Run 5 1/2 csg to evaluate

Drilling Contractor: Royal Drilling, Rig 1

Mud Contractor: Andy's Mud

Logs Run: Gemini - Dual Induction Log/ Neutron/Density/Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

FORMATION TOPS

Anhydrite	1216	+721
Topeka	2900	- 963
Heebner	3120	-1183
Toronto	3140	-1203
Kansas City	3162	-1225
Arbuckle	3452	-1515
Total Depth	3570	

SAMPLE DESCRIPTIONS

10' SAMPLES LAGGED AND CORRELATED BACK TO LOG

Topeka Limestone 2900-2990 Samples not caught.
2990-3000 Ls, brn-wt, f xtl, soft, no show
3012-3062 Ls, wt, micro xtl, hd, tt, no porosity, no show
3062-3068 Ls, wt, f xtl, pinpt vug por, blk stn, dead NSFO
3068-3082 Ls, wt-gray, micro xtl, hd, tt, no show
3082-3092 Ls, brn, f xtl/granular, sl vug por, druzzy w/sl stn, fair odor, one piece
w/dead oil on brk, NSFO
3092-3120 Ls, gray-wt, micro xtl, hd, tt, no show

Toronto 3140-3156 Ls, wt, f xtl, pinpt vug por, v poor-f por, lt stn, sl odor on brk, NSFO
one piece w/gd SFO on brk, gd odor, mostly ls, wt micro xtl, hd, tt,
no show

- Kansas City** A 3162-3176 Ls, wt, f xtl, pinpt vug por, blk stn NSFO
- B 3179-3190 tr Ls, wt f xtl, pinpt vug por, poor por, sl stn-dead stn PSFO- NSFO.
- C 3194-3210 tr Ls wt, oolitic, tt, poor por, poor to SSFO on b rk, one pieve w/dead oil,
mostly Ls, wt, oolitic, hard, tt, no porosity, no show.
- DST #1 A-C 3120-3210- 60' Mud
- D 3214-3230 Ls, wt, f xtl, foss/some oolitic, hd, tt, some w/sl pin pt vug por, intergran
v lt stn, NSFO, fair amt dead bitumen in oomoldic por. Toward base ls, wt,
o xtl, hd, tt, no show.
- E 3230-3246 Ls, wt, micro xtl, hd, tt, no show.
- F 3248-3250 Ls, wt f-m xtl, vf intergran por, poor por, v lt stn NSFO.
- G 3250-3284 Ls, wt, micro xtl, tt, no show, tr f-m grnstn, fair por barren.
- H 3292- 3308 Ls, wt, micro xtl, hd, tt, no show. Tr f xtl, pinpt vug por, hd, poor por,
stn, poor SFO on brk, sl scum on cups
- I 3318-3330 Ls, wt, microxtl, hd, tt, no por, no show one grn v patchy pinpt vug por,
oil, NSFO.
- J 3332-3350 Ls, Wt, micro xtl, hd, tt, no show.
- K 3358-3373 Ls, wt, f grnstn, intergran por, tr pinpt vug por, tr w/very lt stn NSFO,
most barren, poor por, tt.
- L 3378-3399 Ls, wt-gray, micro xtl, tt, no show.
- Cong 3405-3420 Chert, yellow, pink, some with bitumen, shale, red.
- Simpson Dolomite 3435-3440 Dolo, wt, rextlized, tr por, SSFO, tr pyrite, green waxy shale,
one piece w/pinpt vug por, hvy blk stn, GSFO, fair amt green dolomite.
- 3440-3451 Sh, grn waxy
- Arbuckle 3452-3460 Dolo, clear f xtl, blk stn, intergran por, looks pretty tt, GSFO, exc
odor, couple pieces very vug, oomoldic, exc p and p, full black oil
ESFO.
- Dst #2 3389-3460 693' MW, 315' WM, 126' VSOCM, 1071' SOCMC
- 3460- 3470 Dolo, brn, hd, tt, no por, lt stn PSFO on brk vf xtl dense
- DST #3 3465-3484 2079' MW, 189' GWM

3470-3480- Dolo, brn, f xtln, sucrosic, gd stn, some vug por, gd SFO on brk, oil droplets in cups. Fair amt with show.

3480-3490 Dolo, brn, f xtln, hd, tt, dense, no show, few pieces, granular vf xtln, soft, -gd por, blk stn, GSFO on brk, couple pieces f-m xtln a/a w/ show.

3490-3500 Dolo, wt, vf xtln, GSFO on brk, f-gd por, 75% barren dolo, oil scum on cups.

3500-3520 Dolo, brn-wt, f xtln, hd, tt, no show, no por, tr dolo, sucrosic with GSFO on brk. Out of show.

3530-3570 Dolo, wt, hd, tt, no por, no show, some pink dolo.

DST

Dst #1 3120-3210 2 45 60 90

FP 52-54 56-80

SIP 660-598

Rec 60' M

DST #2 3389-3460 2 45 45 60

FP 614-668 668-1016

SIP 1017-1017

Rec 693' MW (75W 25M)

315' WM (30W 70M)

126' VSOCM (50 85W 10M)

1071' SOCMW (50 85W 10M)

Dst #3 3465-3484 2 45 60 60

FP 580-650 694-1036

SIP 1037-1037

2079' MW (5M 95W)

189' GWM (15W 80M 5G)