

Collingwood-Gillam Unit #1-2

Daily Drilling Report

Page Two

- 4/1/14 Depth 4310'. Cut 216'. DT: 8½ hrs TIH. CT: 3½ hrs. Dev.: None. **LKC H:** 1% Ls, tan, gry, wkestrn, pkstrn, foss, pell, PP por, spt inter gran por, spt foss moldic por, VSSFO (dk brn) on break, wh cut, no flor. **DST #1 4240-4310(LKC H & I):**
- 4/2/14 Depth 4400'. Cut 90'. DT: None. CT: 20hrs. Dev.: ¾° @ 4310'. **DST #1 4240-4310(LKC H & I):** 30-30-30-30. IF: wk surf blw died @ 14mins. FF: No blw. Rec.: 5'M. HP: 2068-1953. FP: 26/31, 33/102. SIP: 90-217. BHT: 111°
- 4/3/14 Depth 4660'. Cut 260'. DT: None. CT: 8¾ hrs. Dev.: None.
- 4/4/14 Depth 4990'. Cut 330'. DT: None. CT: 4¼ hrs. Dev.: None. **Morrow Sst:** flood sst, tan, clear, calcareous, vfn ang & sub ang clear qtz gr, gry sh clasts, pyr semi friable. PP BYF. FSFO w/yellow flor. Wh cut. Lrg clusters spt blk tarry oil, SSFO. **DST #2 4904-4993 (Morrow)**
- 4/5/14 Depth 4990'. Cut 0'. DT: 3 hrs DW air. CT 21hrs. Dev.: ½° @ 4990'. **DST #2 4904-4993 (Morrow):** 30-60-60-90. IF: BOB blw @ 5½ mins. ISI: bled off for 6 mins, BOB return @ 12mins. FF: BOB immediately GTS @ 6mins not enough to gauge. FSI: bled off for 6mins. BOB return @ 10mins. Rec.: 1280'GO (20%G, 80%O). HP: 2398-2302. FP: 80/304, 273/482. SIP: 1116-1091. BHT: 131°.
- 4/6/14 Depth 5299'. Cut 309'. DT: 5 ¾ hrs. CT: 5¾ hrs. Dev.: None.
- 4/7/14 RTD: 5450'. Cut 151'. DT: None. CT: 13½ hrs. Dev.: ½° @ 5450'. HC @ 6:30PM 4/6. Pioneer logged 11:30PM 4/6 – 6:00AM 4/7. LTD: 5444'. Will set prod csg.
- 4/8/14 RTD: 5450'. Cut: 0'. DT: None. CT: 24hrs. Dev.: None. Cementing 5 ½" prod csg. Will have setting depth Wed.
- 4/9/14 RTD: 5450'. CT: 9hrs. Ran 130jts of 15.5# 5 ½" prod csg, set @ 5450'. C.O.W.S. cmt w/275sxs OWC, PD @ 8:00AM 4/8. DV @ 2450', cmt w/500sxs 60/40Poz, PD @ 11:00AM 4/8. 30sxs RH, 20sxs MH. Circ to pits. RR @ 4:00PM 4/8/14
FINAL REPORT

MDCI Collingwood-Gillam Unit #1-2 1500' FSL 2520' FWL Sec. 2-T22S-R39W 3424' KB							Amoco Brewster Higler #1-3 SE NE Sec. 3-T22S-R39W 3444' KB	
Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	2250	+1174	-42	2208	+1216	Flat	2228	+1216
B/Anhydrite	2305	+1119	-9	2294	+1130	-2	2316	+1128
Topeka	3674	-250	+5	3672	-248	+7	3699	-255
Heebner	3960	-536	+6	3952	-528	+16	3986	-542
Lansing	4014	-590	+5	4005	-581	+14	4039	-595
Stark	4360	-936	-12	4348	-924	Flat	4368	-924
Pawnee	4634	-1210	-17	4624	-1200	-7	4637	-1193
Ft. Scott	4680	-1256	-10	4669	-1245	+1	4690	-1246
Morrow	4969	-1545	-10	4950	-1526	+9	4979	-1535
Mississippian	5240	-1816	-32	5232	-1808	-24	5228	-1784
RTD	5450						5440	
LTD				5444			5438	