

Patricia #2-16
 Daily Drilling Report
 Page Two

1/24/14 Depth 4450'. Cut 150'. DT: None. CT: 15¼ hrs. Dev.: 1.1° @ 4450'. **LKC G:** Ls wh-cr, fn xln, dns in pt, scatt patches & pcs with pr xln por and pp pores, Rr sm vugs, subchalky in pt, foss (becomes dense with depth). No Odor, Rr dull fluor, moderate % pcs with patchy brn-dk brn-blk stn with: sli show oily film & sli shows of dk NVL oil & sli shows of brn FO on brk, fair am't of blk resid/gilson stn. **LKC H:** Ls cr-pl gy, vfn-fn xln, mostly dns, widely scatt patches of pr xln por, foss in pt. No Odor, No fluor, widely scatt patches of dk brn-blk spotty stn, Rr show DO on brk, some redis/gilson, NSFO. **LKC I:** Ls wh, fn xln, subchlkly in pt, Rr patches of pr xln por, foss. No Odor, No fluor, low % pcs with patches of dk brn-black spotty stn, Slislow Dk Hvy DO and show of dry dead flakey gilson. **LKC J:** Ls wh-cr, fn xln, abund pcs with pr-fr xln por, scatt pp pores, foss with some foss-mold pores, chalky in pt, foss. No Odor, scatt dull fluor, abund pcs with spotty-patchy to Rr even stn, mix of sli-fr shows of brn gassy FO & dk brn NVL oil, some DO. **DST #3 4291-4450 (LKC G,H,I,J):** 30-60-30-60. IF: Surf blw built to 1". FF: Wk surface throughout. Rec.: 30'OSM (100%M w/ Oil spts). HP: 2136-2036. FP: 17/22, 24/26. SIP: 935-827. BHT: 130°.

1/25/14 Depth 4645'. Cut 195'. DT: None. CT: 13½ hrs. Dev.: None. **Pawnee:** Ls wh, fn xln, packed ool (small) & foss in pt, pr xln por, scatt interool & interfoss pores, Rr sm vugs, pr-gd crush. No Odor, scatt dull fluor, abund spotty-patchy with Rr even lt brn to brn stn, mostly sli shows of oily film, NVL oil & sli gassy FO, Rr pcs with Fr show FO. **DST #4 4599-4645 (Pawnee):** 30-60-60-90. IF: Strong blow BOB in 4 min. ISI: Return blow built to 1½". FF: Strong blow BOB 8 min. FSI: Return blow built to 2". Rec.: 815' total fluid, 721' CO, 94' SMCO (90%O 10%M), gravity 37° API. HP: 2291-2187. FP: 24/126, 135/310. SIP: 1139-1113. BHT: 151°.

1/26/14 RTD: 4850'. Cut 205'. DT: None. CT: 14½ hrs. Dev.: .6° @ 4850'. HC @ 10:00PM 1/25. Pioneer logged 2:45AM to 7:30AM 1/26. LTD: 4845'. Plan to run 5 ½" prod csg

1/27/14 RTD: 4850'. CT: 20½ hrs. Ran 115jts of 15.5# 5 ½" prod csg, set @ 4840'. C.O.W.S. cmt w/450sxs (200OWC, 250CMD). PD @ 11:30PM 1/26. No circ. Rotated 4times & lost circ. Hole stayed full. 30sxs RH, 20sxs MH. RR @ 3:30AM 1/27. FINAL REPORT

MDCI Patricia #2-16 660' FNL 660' FWL Sec. 16-T1S-R37W 3264' KB							MDCI Jones B #1-9 710' FSL 710' FWL Sec. 9-T1S-R37W 3253' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3213	+51	+6	3212	+52	+7	3208	+45
B/Anhydrite	3248	+16	+3	3245	+19	+6	3240	+13
Neva	3668	-404	+1	3666	-402	+3	3658	-405
Red Eagle	3730	-466	+3	3729	-465	+4	3722	-469
Foraker	3780	-516	Flat	3777	-513	+3	3769	-516
Topeka	4005	-741	+2	4002	-738	+5	3996	-743
Oread	4140	-876	-2	4136	-872	+2	4127	-874
Lansing	4223	-959	+1	4216	-952	+8	4213	-960
Stark	4440	-1176	-1	4436	-1172	+3	4428	-1175
BKC	4498	-1234	-4	4490	-1226	+4	4483	-1230
Pawnee	4620	-1356	-4	4612	-1348	+4	4605	-1352
Cherokee	4704	-1440	-3	4696	-1432	+5	4690	-1457
Mississippi	NR			NR			NR	
RTD	4850	-1586					4835	-1582
LTD				4845	-1581		4833	-1580