

Theron #3-10
Daily Drilling Report
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- 7/22/14 Depth 4365'. Cut 147'. DT: None. CT: 15½ hrs. Dev.: None. **DST #2 4163-4218 (LKC D)**: 30-60-60-90. IF: blow built to ¾". FF: blow built to 1". Rec.: 120' OSM (spots O, 100%M). HP: 1985-1938. FP: 19/42, 45/75. SIP: 953-931. BHT: 130°. Note: some minor plugging during FFP. **LKC G**: pr w/ some fr intrprtical & tr small vug por, scat lt-drk brn patchy-sub sat w/ tr sat stn, S-FSFO (some bleeding), no odor. **LKC H**: mstly pr w/ tr fr fos-small vug por, tr drk brn-blk sptd-patchy stn, 1 pc w/ SSFO, no odor. **LKC J**: pr-fr intrprtical por, scat lt-drk brn patchy-sub sat w/ some sat stn, FSFO, no odor. **DST #3 4215-4365 (LKC G-J)**: est on bottom w/ test about 11:15 am
- 7/23/14 Depth 4560'. Cut 195'. DT: None. CT: 13½ hrs. Dev.: None. **DST #3 4215-4365 (LKC G-J)**: 30-60-30-60. IF: ½" blow built to 1" in 20 min., then died back to ¾". FF: no blow. Rec. 70' Mud w/ oil spots in tool (100% M). HP: 2034-2019. FP: 22/36, 55/55. SIP: 1188-1171. BHT: 127°. Note: minor intermittent plugging during ISIP and some minor plugging in FSIP (running 7# LCM). **Pawnee**: pr-fr w/ some gd introol por, scat lt-med brn patchy-sat stn, S-FSFO, no odor. **DST #4 4521-4570 (Pawnee)**: est on bottom with test about 2:30 pm
- 7/24/14 Depth 4655'. Cut 95'. DT: None. CT: 18 ¾ hrs. Dev.: None. **DST #4 4521-4570 (Pawnee)**: 30-60-60-90. IF: BOB in 4". ISI: BOB in 17". FF: BOB in 7". FSI: blow back built to 9". 1,450' GIP. Rec. 1,100' TF: Rec. 860' CGO (40% G, 60% O), 60' OCM (30% O, 70% M), 180' MCO (50% O, 50% M). Grav. 34° API. HP: 2216-2168. FP: 106/213, 231/435. SIP: 1039-973. BHT: 147°. (dumped 50', reversed out 810' into water truck, dumped 240').
- 7/25/14 RTD 4735'. Cut 80'. DT: None. CT: 20 ¾ hrs. Dev.: 1¼° @ 4735'. TD @ 10:45AM 7/24. Pioneer Logged from 3:30PM-8:00PM 7/24. LTD 4734'. 113 jts of 15.5# 5 ½" prod csg, set @ 4730'. Swift cmt w/250sxs CMD, 200sxs EA-2. 30sxs RH, 20sxs MH.
- 7/26/14 RTD: 4735'. CT: 5½ hrs. PD @ 8:30AM. RR @ 12:30PM 7/25. FINAL REPORT

MDCI Theron #3-10 660' FSL 660' FEL Sec. 10-T1S-R37W 3198' KB							MDCI Theron #2-10 660' FSL 2310' FEL Sec. 10-T1S-R37W 3103' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3144	+54	-1	3143	+55	Flat	3048	+55
B/Anhydrite	3174	+24	Flat	3173	+25	+1	3079	+24
Neva	3596	-398	-1	3597	-399	-2	3500	-397
Red Eagle	3659	-461	-1	3663	-465	-5	3563	-460
Foraker	3704	-506	-1	3708	-510	-5	3608	-505
Topeka	3928	-730	-2	3929	-731	-3	3831	-728
Oread	4063	-865	-3	4066	-868	-6	3965	-862
Lansing	4146	-948	-4	4148	-950	-6	4047	-944
Stark	4365	-1167	-7	4364	-1166	-6	4263	-1160
BKC	4420	-1222	-9	4419	-1221	-8	4316	-1213
Pawnee	4543	-1345	-12	4543	-1345	-12	4436	-1333
Cherokee	4634	-1436	-16	4634	-1436	-16	4523	-1420
RTD	4735	-1537					4620	-1517
LTD				4734	-1536		4620	-1517