

Racette #2-12
Daily Drilling Report
Page Three

4/20/14 RTD 4770'. Cut 150'. DT: None. CT: 16½ hrs. Dev.: 1¼° @ 4686'. **Basal Sd:** clear vf - fn grained, subang - round, well sorted, well cemented in general, sl glauconitic, some shale partings, w/brn stn on grain contacts, gd shows of mostly listless oil on break, some clusters more friable w/gassy oil on break, sl odor on break. **DST #8 4610-4685 (Basal Sd):** 30-60-60-90. IF: BOB in 20 min. ISI: Wk surf blw died in 45 min. FF: BOB in 10 min. FSI: Blt to 7". Rec: 47' GMCO (6%g, 8%m, 86%o), 124' OGCM (24%o, 15%g), 186' GOCM (35%g, 18%o), 60' OGCM (22%o, 19%g), 60' GOWCM (27%g, 24%o, 16%w), 120' WOGCM (30%w, 7%o, 4%g). (API: 26.) HP: 2375-2239. FP: 36/168, 169/272. SIP: 1119-1109. BHT: 123°. HC @ 5:45AM 4/20.

4/21/14 RTD: 4770'. CT: 24 hrs. Dev.: 1½° @ 4770'. Pioneer logged 9:15AM-3:00PM 4/20. LTD: 4773'. Ran 112jts of 5 ½" prod csg, set @ 4761'. C.O.W.S. cmt w/175sxs of OWC. PD @ 5:00AM 4/21. 30sxs RH, 20sxs MH. PC @ 2544'.

4/22/14 RTD: 4770'. CT: 2hrs. RR @ 9:00AM 4/21/14. FINAL REPORT

Racette #2-12 1320' FNL 990' FEL Sec. 12-T13S-R33W 3044' KB							Racette #1-12 335' FNL 1100' FEL Sec. 12-T13S-R33W 3052' KB	
Formation	SampleTops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2518	+526	-4	2517	+527	-3	2522	+530
B/Anhydrite	2539	+505	-1	2539	+505	-1	2546	+506
Topeka	3746	-702	+3	3747	-703	+2	3757	-705
Heebner	3969	-925	+2	3970	-926	+1	3979	-927
Lansing	4018	-974	+2	4017	-973	+3	4028	-976
Stark	4254	-1210	-3	4255	-1211	-4	4259	-1207
BKC	4323	-1279	-4	4320	-1276	-1	4327	-1275
Pawnee	4453	-1409	-4	4454	-1410	-5	4457	-1405
Mississippi	4672	-1629	-16	4674	-1630	-18	4664	-1612
RTD	4770						4760	
LTD				4773			4761	