

Heier-Racette #1-34

Daily Drilling Report

Page Two

- 3/12/14 Depth 4396'. Cut 86'. DT: None. CT: 13 hrs. Dev.: 3¾° @ 4310', 3½° @ 4384'. **DST #3 4287-4310 (LKC K):** 30-60-60-90. IF: BOB in 20mins. FF: BOB in 32 mins. Rec.: 516'MSW (23%M, 77%W). HP: 2169-2100. FP: 16/151, 154/248. SIP: 875-758. BHT: 123°.
- 3/13/14 Depth 4605'. Cut 209'. DT: None. CT: ¾ hr. Dev.: MR @ 4457', 3° @ 4490'. **Fort Scott:** SSFO, pr por. **Johnson Zn:** sme fos por, SSFO, sli odor. **DST #4 4541-4640 (Ft sct-Jns Zn):**
- 3/14/14 Depth 4705'. Cut 100'. DT: None. CT: 15½ hrs. Dev.: 2½° @ 4640'. **DST #4 4541-4640 (Ft sct-Jns Zn):** 30-60-30-60. IF: BOB in 4mins. ISI: BOB in 22mins. FF: BOB in 4mins. FSI: BOB in 13mins. Rec.: 744'GIP. 238'MCGO (5%M, 40%G, 55%O), 620'MCGO (10%M, 30%G, 60%O), 154'GCMO (10%G, 10%M, 80%O). HP: 2358-2281. FP: 86/326, 351/449. SIP: 1011-1024. BHT: 127°. Plan to TD @ 4800'.
- 3/15/14 RTD: 4800'. Cut: 95'. DT: None. CT: 16 hrs. Dev.: 2¾° @ 4800'. HC @ 3:00PM 3/14. Pioneer logged 6:45PM – 11:30PM 3/14. LTD: 4806'.
- 3/16/14 RTD: 4800'. CT: 11hrs. PC @ 2608'. Ran 115jts of 5 ½" prod csg, set @ 4795'. Swift cmt w/175sxs of EA-2. PD @ 2:00PM 3/15. 30sxs RH, 20sxs MH. RR @ 6:00PM 3/15.

Heier-Racette #1-34 1900' FSL 660' FEL Sec. 34-T12S-R33W 3105' KB							Ahrens #2 1320' FNL 1320' FEL Sec. 33-T12S-R33W 3138' KB	
Formation	SampleTops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2584	+521	-11	2585	+520	-12	2606	+532
B/Anhydrite	2606	+499	-10	2606	+499	-10	2629	+509
Topeka	3800	-695	-14	3804	-699	-19	3819	-681
Heebner	4016	-911	-3	4020	-915	-7	4046	-908
Lansing	4060	-955	-1	4063	-958	-4	4092	-954
Stark	4289	-1184	+6	4292	-1187	+3	4328	-1190
Marmaton				4411	-1306	+11	4455	-1317
Pawnee	4490	-1385	+9	4497	-1392	+2	4532	-1394
Johnson	4619	-1514	+9	4623	-1518	+5	4661	-1523
Mississippi	4695	-1590	+20	4700	-1595	+15	4748	-1610
RTD	4800						4775	
LTD				4806			4776	