

Morgan #1-17
 Daily Drilling Report
 Page Two

- 10/19/14 Depth 4180'. Cut 95'. DT: ¼hr fill premix. CT: 17 ¼ hrs. Dev.: ¾° @ 4180'. **DST #3 4047-4085 (LKC F-G):** 30-60-30-60. IF: wk surf blw built to ¾" in 30mins. Rec.: 15'OSM. HP: 2094-2000. FP: 17/21, 23/25. SIP: 1242-1233. BHT: 117°. **LKC H:** ls, dns, chalky, xln - sl rextlzed, sl foss, pr vis por, few pcs w/dk brn-blk stn & hvy tarry oil. **LKC J:** ls, dns, sl chalky, rextlzed, foss, sl ooc, scatt pp & foss/occ por, blk-dk brn stn & hvy fo vis, some blk asphaltic stn, sl incr blk-dk brn hvy fo. **DST #4 4102-4180 (LKC H-J):**
- 10/20/14 Depth 4395'. Cut 215'. DT: None. CT: 10hrs. Dev.: None. **DST #4 4102-4180 (LKC H-J):** 30-60-30-60. IF: wk surf blw built to 3" in 30mins. FF: wk surf blw built to 1" in 30mins. Rec.: 94'M. HP: 2091-2026. FP: 18/45, 49/72. SIP: 1280-1253. BHT: 120°.
- 10/21/14 Depth 4555'. Cut 160'. DT: 1½ hrs cut drlg line. CT: 16hrs. Dev.: ¾° @ 4468'. **LPaw:** lst, micro xln, foss, chalky, pr vis por, NS. **Ft Sc:** lst, very chalky, foss, dns, pr vis por, NS. **Verdigris:** lst, micro xln, foss, tr sand, sl chalky, NS. **DST #5 4380-4468 (LPaw - Verdigris):** 30-60-30-60. IF: Blw built to 1". FF: no blw. Rec.: 15'M. HP: 2341-2199. FP: 21/30, 32/37. SIP: 684-528. BHT: 125°.
- 10/22/14 RTD: 4686'. Cut 131'. DT: None. CT: 19½ hrs. Dev.: 1° @ 4686'. HC @ 12:30PM 10/21. Pioneer logged 6:30PM – 11:00PM 10/21. LTD: 4690'. Allied Plugged hole, 3:15AM-6:30AM 10/22, as follows using 60/40Poz, 4%Gel, ¼#Floseal, 50sxs @ 2780', 100sxs @ 1945', 50sxs @ 270', 10sxs @ 40', 30sxs RH, 15sxs MH. Orders by Bruce Rodie KCC Hays.
- 10/23/14 RTD: 4686'. CT: 3½ hrs. RR @ 10:30AM 10/22/14. FINAL REPORT

Morgan #1-17 660' FSL 2310'FEL Sec. 17-4S-33W 3049' KB							Walters #1 Beren Corp Sec.17-4S-33W 3084' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2764	+285	-5	2765	+284	-6	2794	+290
B/Anhydrite	2798	+251	-1	2800	+249	-3	2832	+252
Topeka	3787	-738	-4	3781	-732	+2	3818	-734
Heebner	3952	-903	-3	3951	-902	-2	3984	-900
Lansing	3993	-944	-4	3990	-941	-1	4024	-940
Stark	4179	-1130	-4	4179	-1130	-4	4210	-1126
BKC	4230	-1181	-5	4230	-1181	-5	4260	-1176
Pawnee	4361	-1312	-6	4361	-1312	-6	4390	-1306
Cherokee	4435	-1386	-10	4433	-1384	-8	4460	-1376
Mississippi	4617	-1568	-42	4618	-1569	-43	4610	-1526
RTD	4686						4830	
LTD				4690				