

Water #1-32  
 Daily Drilling Report  
 Page Two

- 11/16/14 Depth 4350'. Cut 90'. DT: None. CT: 16 ¾ hrs. Dev.: None. **DST # 4 4202-4260 (LKC D'-LKC G)**: 30-60-30-60. IF: surf blw built to ¾". FF: no blw. Rec.: 6'OSM (Oil Spots). HP: 2208-2152. FP: 40/72, 50/74. SIP: 553-129. BHT: 130°. **DST #5 4260-4350 (LKC H-LKC J)**: 30-60-30-60. IF: surf blw built to ¾". FF: no blw. Rec.: 5'OSM (Oil Spots). HP: 2171-2097. FP: 18/21, 22/23. SIP: 236-172. BHT: 130°.
- 11/17/14 Depth 4545'. Cut: 195'. DT: None. CT: 7¼ hrs. Dev.: None. **Pawnee**: Ls, pp-med inter xln por, fn grn oolites w/inter oolitic por, some crs grn oolites, GSFO, drk brn. **DST #6 4502-4560 (Pawnee)**:
- 11/18/14 Depth 4620'. Cut 75'. DT: None. CT: 17½ hrs. Dev.: None. **DST #6 4502-4560 (Pawnee)**: 30-60-30-60. IF: surf blw built to ¾" & then died off to ¼". FF: no surf blw. Rec.: 5'M. HP: 2306-2288. FP: 14/17, 17/19. 31-27. BHT: 136°.
- 11/19/14 RTD 4720'. Cut 100'. DT: None. CT: 17¾ hrs. Dev.: None. TD @ 2:15PM 11/18. Pioneer logged 8:00PM 11/18 – 3:30AM 11/19. LTD: 4726'. **DST #7 4356-4446 (LKC K Straddle)**:
- 11/20/14 RTD 4720'. CT: 24hrs. Dev.: None. **DST #7 4356-4446 (LKC K Straddle)**: 30-60-60-90. IF: surf blw built to 10¾". FF: surf blw built to 10". Rec.: 217'WM (85%M, 15%W), 217'MW (40%M, 60%W). HP: 2247-2198. FP: 22/125, 128/212. SIP: 1348-1275. BHT: 144°. Chl 34,000ppm. RW .495 @ 28° F=.114 @ 144° F. Allied plugged (4:30AM – 8:00AM 11/20) as follows using 60/40 Poz, 4%Gel, ¼# Floseal, 50sxs @ 3160', 100sxs @ 2320', 50sxs @ 275', 10sxs @ 40', 15sxs RH, 10sxs MH. Orders Bruce Rodie KCC Hays.
- 11/21/14 RTD: 4720'. CT: 5hrs. RR @ 12:00PM 11/20/14. FINAL REPORT

MDCI Waters #1-32 800' FNL 1410' FWL Sec. 29-T1S-R38W 3184' KB							MDCI Bash #1-29 1665' FNL 800' FEL Sec. 29-T1S-R38W 3216' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3124	+60	+12	3124	+60	+12	3168	+48
B/Anhydrite	3156	+28	+15	3158	+26	+13	3203	+13
Neva	3583	-399	Flat	3580	-396	+3	3615	-399
Red Eagle	3650	-466	+3	3650	-466	+3	3685	-469
Foraker	3703	-519	+4	3704	-520	+3	3739	-523
Topeka	3931	-747	+5	3931	-747	+5	3968	-752
Oread	4055	-871	+7	4066	-882	-4	4094	-878
Lansing	4124	-940	+8	4138	-954	-6	4164	-948
Stark	4350	-1166	+5	4364	-1180	-9	4387	-1171
BKC	4404	-1222	+5	4426	-1242	-15	4443	-1227
Pawnee	4531	-1347	+8	4552	-1368	-13	4571	-1355
Cherokee	4618	-1434	+6	4636	-1452	+12	4656	-1440
Mississippi							4890	-1674
RTD	4720	-1536					5000	-1784
LTD				4726	-1542		5002	-1786