

Holle Trust #1-22  
 Daily Drilling Report  
 Page Two

- 2/27/14 Depth 4085'. Cut 111'. DT: None. CT: 18¼ hrs. Dev.: None. **DST #2 3967-3993' (LKC D'-F):** 30-60-30-60. IF: blw built to ¼", died back, dead @ 20mins. FF: no blw. Rec.: 2'M w/oil spts (97%M, 3%O). HP: 2013-2008. FP: 19/20, 20/20. SIP: 30-30. BHT: 109°. **LKC G:** lst, f-mxln, sl chalky, oolitic in part, foss, 10% sample, fr interxln por, black spotty to sat stain, slsfo, fr odor. **LKC H:** lst, fxln, chalky, oolitic in part, no vis por, ns. **LKC J:** lst, fxln sl chalky, mostly dense, sl oolitic in part, 1% sample, sl vug por, lt spotty stain, v- slsfo, faint odor. **DST #3 4000-4085 (LKC G-J):** 30-60-60-90. IF: blw built to BOB (11") @ 28mins. FF: blw built to BOB @ 32mins. Rec.: 236'MCW (89%W, 11%M), 219WM (52%M, 48%W). HP: 2043-1995. FP: 25/148, 150/228. SIP: 1305-1252. BHT: 116°.
- 2/28/14 Depth 4259'. Cut 174'. DT: None. CT: 13½ hrs. Dev.: None.
- 3/1/14 RTD 4522'. Cut 263'. DT: None. CT: 11hrs. Dev.: 1° @ 4522'. HC @ 11:00PM 2/28. Pioneer started logging @ 5:00AM. LTD 4524'.
- 3/2/14 RTD: 4522'. CT: 15½ hrs. Pioneer finished logging @ 9:30AM 3/1. Allied plugged hole as follows using 60/40Poz, 4%Gel, ¼#Flo seal, 25sxs @ 2650', 100sxs @ 1850', 40sxs @ 275', 10sxs @ 40', 30sxs RH, 15sxs MH. Started @ 4:00PM Compl @ 6:30PM 3/1. Orders Darrell Dipman KCC Hays. RR @ 10:30PM 3/1. FINAL REPORT.

		Holle Trust #1-22 1800' FNL 405' FEL Sec. 22-4S-31W 2871' KB					Alex #1-23 660' FSL 900' FWL Sec. 23-4S-31W 2939' KB		
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum	
Anhydrite	2633	+238	-7	2637	+234	-11	2694	+245	
B/Anhydrite	2667	+204	-7	2670	+201	-10	2728	+211	
Topeka	3706	-835	-14	3710	-839	-18	3760	-821	
Heebner	3881	-1010	-23	3873	-1002	-15	3926	-987	
Lansing	3916	-1045	-12	3920	-1049	-16	3972	-1033	
Stark	4085	-1214	-15	4087	-1216	-17	4138	-1199	
BKC	4136	-1265	-16	4134	-1263	-14	4188	-1249	
Pawnee	4249	-1378	-16	4247	-1376	-14	4301	-1362	
Cherokee	4333	-1462	-13	4332	-1461	-12	4388	-1449	
Mississippi	4452	-1581	-16	4451	-1580	-15	4504	-1565	
RTD	4522						4598		
LTD				4524			4602		