

Keith #1-33  
 Daily Drilling Report  
 Page Two

3/28/14 Depth 4092'. Cut 150'. DT: None. CT: 13¾ hrs. Dev.: None. **LKC 'G'**: NS. **LKC 'H'**: cpl pcs w/ vpr interxtln por w/ few spots dd oil residue, NS live oil. **LKC 'I'** - no vis por / no show. **LKC 'J'**: ls: wh, tan fnxtln, few pcs sli ool, app vpr - pr interxtln por, cpl pcs w/ pr spotty hvy inert oil/tar & hvy blk st, NS live oil. **LKC 'K'**: ls: tan, brown, lt grey, fnxtln, sli ool, scat pr interxtln por, vpr-pr ppt por, few pcs w/ PS hvy dk oil, some tarry, 2-3 pcs/tray w/ few minute ppts FO on break, pr spotty dk st, few pcs w/ VSS dd oil residue, no odor. **LKC 'L'**: ls: off-wh, tan, fnxtln, chalk in part, cpl pcs w/ tr pr interxtln por (most dense) & VSS dk brown, hvy, inert oil, tr spots blk st, NS live oil, no odor. **DST #3 3999-4092**: 30-60-60-90. IF: wk blow bldg to 3 1/4". FF: surf blow bldg to 1/2". Rec.: 115'OS WCM (40%W, 60%M), 45'OS VSWCM (5%W, 95%M). HP: 1989-1908. FP: 19/58, 63/97. SIP: 1246-1222. BHT: 118°.

3/29/14 RTD 4200'. Cut 108'. DT: None. CT: 18¾ hrs. Dev.: 1° @ 4200'. HC @ 8:15PM 3/28. Pioneer logged 2:00AM-6:15AM 3/29. LTD: 4198'. WOO

3/30/14 RTD: 4200'. CT: 14¼ hrs. Allied plugged hole 2:30PM -5:15PM 3/29, as follows using 60/40Poz, 4%Gel, 1/4#floseal, 25sxs @ 2300', 100sxs @ 1450', 40sxs @ 310', 10sxs @ 40', 30sxs Rh, 15sxs MH. Orders by David Wann KCC 3/25. RR @ 9:15PM 3/29.

Keith #1-33 1850' FNL 660' FWL Sec. 33-T9S-R27W 2702' KB							Haas-Goetz #1-33 2130' FNL 2570' FEL Sec. 33-T9S-R27W 2709' KB	
Formation	Sample tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2285	+417	+9	2288	+414		2301	+408
B/Anhydrite	2320	+382	+8	2323	+379		2335	+374
Topeka	3606	-904	-5	3603	-901		3608	-899
Heebner	3824	-1122	-9	3820	-1118		3822	-1113
Lansing	3861	-1159	-7	3861	-1159		3861	-1152
Stark	4044	-1342	-8	4040	-1338		4043	-1334
BKC	4088	-1386	-8	4085	-1383		4087	-1378
Marmaton				4121	-1419		4121	-1412
Upper Pawnee	DNR			DNR			4206	-1497
RTD	4200						4480	
LTD				4198				