

Franklin #1-16
 Daily Drilling Report
 Page Two
 12/1/14

Depth 4140'. Cut 55'. DT: None. CT: 21 hrs. Dev.: None. **LKC D Prime**: pr por, scat brn-blk sptd-patchy stn, VSSFO, no odor. **LKC F**: fr w/ some gd intrprtcal por, scat blk w/ some brn sptd-sub sat w/ tr sat stn, S-FSFO, no odor. **LKC G**: pr fr intrprtcal por, scat blk sptd-sub sat stn, SSFO, no odor. **DST #3 4082-4140 (LKC D Prime-G)**: 30-60-30-60. IF: blow built to 1½". FF: no blow. Rec. 10' Mud (100% M). HP: 2062-2004. FP: 23/27, 30/30. SIP: 566-346. BHT: 115°.

12/2/14 Depth 4440'. Cut 300'. DT: None. CT: 5¼ hrs. Dev.: None. **LKC H**: pr w/ tr fr fos por, scat mstly blk tarry sptd stn w/ some brn patchy stn, few pcs w/ VSSFO, no odor, tr barren por. **LKC J**: pr por, rare blk dead sptd-edge stn, NSFO, no odor. **Upper & Lower Pawnee**: pr w/ tr fr intrprtcal por, NS.

12/3/14 RTD: 4710'. Cut 270'. DT: None. CT: 11¼ hrs. Dev.: ¼° @ 4710. HC @ 9:00PM 12/2. Pioneer started logging @ 3:00AM 12/3. LTD: 4710'.

12/4/14 RTD: 4710'. CT: 13hrs. Pioneer finished logging @ 8:30AM 12/3. Allied plugged hole, 12:45PM – 4:00PM 12/3, as follows using 60/40Poz, 4%Gel, ¼#Flo seal, 50sxs @ 2850', 100sxs @2017', 50sxs @ 309', 10sxs @ 40', 30sxs RH, 15sxs MH. Orders: Pat Staab, KCC Hays. RR @ 8:00PM 12/3. FINAL REPORT

Franklin #1-16 725' FNL 2240'FWL Sec. 16-4S-33W 3079' KB							Morgan #1-17 660' FSL 2310'FEL Sec. 17-4S-33W 3049' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2802	+277	-8	2800	+279	-6	2764	+285
B/Anhydrite	2838	+241	-8	2835	+244	-5	2800	+249
Topeka	3814	-735	-3	3815	-736	-4	3781	-732
Heebner	3984	-905	-3	3985	-906	-4	3951	-902
Lansing	4024	-945	-4	4022	-943	-2	3990	-941
Stark	4211	-1132	-1	4208	-1129	+2	4180	-1131
BKC	4260	-1181	Flat	4263	-1184	-3	4230	-1181
Pawnee	4393	-1314	-2	4392	-1313	-1	4361	-1312
Cherokee	4466	-1387	-3	4461	-1382	+2	4433	-1384
Mississippi	4638	-1559	+10	4614	-1535	+34	4618	-1569
RTD	4710	-1631					4686	
LTD				4710			4690	