

4/15/14 Depth 3853'. Cut: 101'. DT: 1 ½ hrs. pump, CT: 16hrs. Dev. None. **DST #2 3738-3774 (LKC E-F)**: 30-60-30-60. IF: wk blw thru-out ¼". FF: no blw. Rec: 60' M, HP: 1799-1785. FP: 19/35, 37/48. SIP: 944-912. BHT 106°. **LKC I**: ls: tan, brwn, lt grey, fnxtln, ool, well-cemented, vpr-pr interxtln por, SSFO, vry slow bleed O&G on brk, fr-gd patchy-even golden brwn st w/ sat, ft odor, fr-gd % of spl with show, no drlg brk. **LKC J**: ls: off-wh, lt grey, fn-medxtln, granular, sli ool, v sli foss, vpr-pr interxtln por & pr -scat fr vuggy por (isolated?), SSFO w/ few gas bubbles on brk, pr-fr spotty-patchy dk brwn st, pr sat, no odor. **LKC K**: ls: off-wh, lt grey, fn-medxtln, ool in part, scat pr interoolitic & vuggy por, few pcs w/ S-FSFO, pr inter-oolitic dk st, pr streaky sat, no odor. **LKC L**: ls: tan, lt grey, fnxtln, sli ool, sli chalky, rare isolated vug, cpl pcs w/ dk edge st (from above?), NSFO, no odor. **DST #3 3798-3915 (LKC H-L)**

4/16/14 RTD: 4025'. Cut 172'. DT: None. CT: 15½ hrs. Dev.: None. **DST #3 3798-3915 (LKC H-L)**: 30-60-60-90. IF: wk blw thru-out ¼" to 1" blw. FF: wk blw thru-out, surf blw. Rec.: 80'SOCM (1%O, 99%M). HP: 1853-1829. FP: 22/38, 46/67. BHT: 109°. HC @ 5:45AM 4/16.

4/17/14 RTD: 4025'. CT: 20½ hrs. Pioneer logged 11:00AM – 3:00PM, 4/16, LTD: 4022'. Allied plugged hole, 7:15PM – 11:30PM, as follows using 60/40Poz, 4%Gel, ¼#Flo seal, 25sxs @ 1943', 100sxs @1010', 40sxs @ 270, 10sxs @ 40', 30sxs RH. Orders: Richard Williams KCC 4/11. RR @ 3:30AM 4/17. FINAL REPORT

| Hobbs #3-2 1980' FSL 1648' FWL Sec. 2-T11S-R24W 2311' KB | | | | | | | Hobbs #1-2 1111' FNL 1648' FWL Sec. 2-T11S-R24W 2350' KB | | |
|---|-------------|-------|-----|----------|-------|-----|---|-------|--|
| Formation | Sample tops | Datum | Ref | Log Tops | Datum | Ref | Log Tops | Datum | |
| Anhydrite | 1933 | +378 | -12 | 1928 | +383 | -7 | 1960 | +390 | |
| B/Anhydrite | 1962 | +349 | -1 | 1962 | +349 | -1 | 2000 | +350 | |
| Topeka | 3420 | -1109 | -11 | 3418 | -1107 | -9 | 3448 | -1098 | |
| Heebner | 3642 | -1331 | -13 | 3640 | -1329 | -11 | 3668 | -1318 | |
| Toronto | 3663 | -1352 | -13 | 3661 | -1350 | -11 | 3689 | -1339 | |
| Lansing | 3679 | -1368 | -12 | 3677 | -1366 | -10 | 3706 | -1356 | |
| BKC | 3907 | -1596 | -16 | 3906 | -1595 | -15 | 3930 | -1580 | |
| RTD | 4025 | | | | | | 4050 | -1700 | |
| LTD | | | | 4022 | | | 4048 | -1698 | |