

Oelkers 'A' #1-2
 Daily Drilling Report
 Page Two

- 4/29/14 Depth 3590'. Cut 70'. DT: None. CT: 19¼ hrs (6hrs wind). Dev.: None. **DST #3 3447-3544'(LKC H-K)**: 30-60-60-90. IF: wk blw thru-out ¼" to 2 ½"blw. FF: wk to a fr bl 1½" to 4½" blw. Rec.: 230'GIP, 63'O&GCM (10%G, 10%O, 80%M), 20'SOCM (5%O, 95%M). HP: 1652-1588. FP: 17/34, 33/51. SIP: 1016-944. BHT: 103°.
- 4/30/14 Depth 3616'. Cut 26'. DT: None. CT: 22½ hrs. Dev.: None. **Paw**: LS - gr-tan-wht, fn xtlm, dense to slt chalky, couple pieces of dolo - lt gr, slt vug por, show oil film, spty to sat stain, no odor. **DST #4 3557-3596 (Pawnee)**: 30-60-30-60. IF: wk blw thru-out 1/8"-1/4" blw. Rec.: 5'SOCM (5%O, 95%M). HP: 1718/1694. FP: 18/18, 19/19. SIP: 45/30. BHT: 99°. **Dolo**: lt gr-tan-wht, fn and med xtlm, abundant large re-xtlm calcite shards, f-gd vug and int xtlm por, vgd show oil film, scat f-gd show free oil and gas, strong odor, spty to sat brn stain. **DST #5 3559-3616 (Arbuckle)**: 30-60-60-90. IF: built to ¾". FF: built to 4½". Rec.: 15'O, 15'OCM (20%O, 80%M), 63'VSOCM (5%O, 95%M). HP: 1769-1719. FP: 16/32, 34/46. SIP: 1035-1074. BHT: 101°. **Arb**: Dolo - tan-wht, mostly fn to med xtlm, p-f int xtlm por, slt show oil film spty stain, and SS - wht-clear, fn grained, sub rd, tight to semi-fria clusters, ss oil film, scat lt stain, f-gd odor in sample. **DST #6 3616-3626' (Arb)**:
- 5/1/14 RTD: 3685'. Cut 69'. DT: None. CT: 21¾ hrs. Dev.: 1° @ 3685'. **DST #6 3616-3626' (Arb)**: 15-60-10-60. IF: BOB in 30secs. ISI: wk surf blw @ 7mins, died @ 13mins. FF: BOB in 30secs. Rec.: 1953'W, 504'MW (30%M, 70%W). HP: 1813-1742. FP: 453-943, 934-1089. SIP: 1182-1182. BHT: 115°. HC @ 12:45AM 5/1. Pioneer started logging @ 4:00AM 5/1. LTD: 3678'. Will be plugging.
- 5/2/14 RTD: 3685'. CT: 11hrs. Pioneer finished logging @ 8:00AM 5/1. Quality plugged hole, 11:00AM -2:00PM 5/1, as follows using 60/40Poz, 4%Gel, ¼#Floseal, 50sxs @ 3607', 50sxs @ 1230', 50sxs @ 480, 20sxs @60', 30sxs RH, 20sxs MH. Orders Eric MaClaren KCC Dodge. RR @ 6:00PM 5/1/14. FINAL REPORT

Formation	MDCI Oelkers 'A' #1-2 1320' FNL 2310' FWL Sec. 2-T16S-R19W 2022' KB						MDCI Braun #1-36 330' FSL 1500' FWL Sec. 36-T15S-R19W 1991' KB	
	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1205	817	+2	1206	+816	+1	1176	+815
B/Anhydrite	---	---	---	1248	+774	-1	1216	+775
Topeka	3000	-978	-12	2994	-972	-6	2957	-966
Heebner	3277	-1255	-20	3268	-1246	-11	3226	-1235
Toronto	3295	-1273	-18	3288	-1266	-11	3246	-1255
Lansing	3325	-1303	-18	3311	-1289	-4	3276	-1285
Stark	3515	-1493	-13	3506	-1484	-4	3471	-1480
BKC	3561	-1539	-15	3551	-1529	-5	3515	-1524
Arbuckle	3602	-1580	-14	3598	-1576	-10	3557	-1566
RTD	3685						3660	
LTD				3678			3658	