

Ladenburger #1-6
 Daily Drilling Report
 Page Two

- 6/25/14 Depth 4320'. Cut 88'. DT: None. CT: 16 ½ hrs. Dev.: None. **LKC G**: Ist, microxtln, sub bioclastic, foss, sub chalky, surf etching, abundant dead blk stn, spotty FO in tray, pr fluor, slow pr cut, gd sheen on water, fleeting odor. **LKC G'**: Ls, crm - lt gray, cryptoxtn, foss, recrystallized sub oolitic, pyritic, weathered, surf etching dense, sharp fractures, dead blk stn, spotted FO in tray, slow pr cut, pr fluor, fleeting odor. **DST #3 4231-4320' (LKC G-G')**: 360-60-30-60. IF: blw built to ½". FF: no blw. Rec.: 1'M. HP: 2155-2099. FP: 20/21, 22/23. SIP: 53-35. BHT: 129°.
- 6/26/14 Depth 4400'. Cut 80'. DT: ¼ hr pump. CT: 19hrs. Dev.: None. **LKC H**: Ist, microxtln, sub bioclastic, foss, sub chalky, NS. **LKC J**: Ist, cryptoxtn, foss, dense chalky, 1 pc sl stn, NS. **DST #4 4286-4387' (LKC H-J)**: 30-60-60-90. IF: blw built to ¼". FF: No blw. Rec.: 5'M. HP: 2171-2080. FP: 21/28, 30/37. SIP: 970-933. BHT: 130°.
- 6/27/14 RTD 4550'. Cut 150'. DT: None. CT: 14 hrs. Dev.: 1° @ 4550'. HC @ 6:30PM 6/26. Pioneer logged from 11:00PM 6/26 - 3:45AM 6/27/14, LTD @ 4550'. Preparing to run production casing.
- 6/28/14 RTD: 4550'. CT: 13¾ hrs. Ran 109jts of 5½" prod csg, set @ 4542'. C.O.W.S cmt w/550sxs (300CMD, 250 OWC). PD @ 4:45PM 6/27. 30sxs RH, 30sxs MH. RR @ 8:45PM 6/27. FINAL REPORT

MDCI Ladenburger #1-6 2310' FNL 330' FWL Sec. 6-T1S-R35W 3210' KB							MDCI Walter #8-1 1320' FNL 330' FEL Sec. 1-T1S-R36W 3201' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3140	+70	-9	3135	+75	-4	3122	+79
B/Anhydrite	3180	+30	-10	3171	+39	-1	3161	+40
Neva	3627	-417	-3	3630	-420	-6	3615	-414
Red Eagle	3695	-485	-7	3694	-484	-6	3679	-478
Foraker	3740	-530	-6	3742	-532	-8	3725	-524
Topeka	3950	-740	-7	3950	-740	-7	3934	-733
Oread	4065	-855	-8	4064	-854	-7	4048	-847
Lansing	4170	-960	-12	4167	-957	-9	4149	-948
Stark	4385	-1175	-15	4378	-1168	-8	4361	-1160
BKC				4431	-1221	-9	4413	-1212
RTD	4550						4510	-1309
LTD				4550			4507	-1248