

Total Organic Carbon and Pyrolysis Analyses
Anschutz Exploration Corporation
555 17th St, Suite 2400
Denver, CO 80202
April 4, 2011

API	State	County	Operator	Lease	Formation	Sample Type	Black Shale	Dark Gray Shale	Medium Gray Shale	Light Gray Shale	Green Shale	Red Shale	Carbonate	Siltstone	Sandstone	HCl Reaction	Top Depth	Base Depth	Avg. Depth	Amorphous Kerogen Percentage	Structured Kerogen Percentage	Framboidal Pyrite	Granular Pyrite	Massive Pyrite	Leco TOC	Rock-Eval TOC	S1	S2	S3	Tmax	Tmax %Roe	Tmax Unreliable	VR %Ro	HI	OI	S1+S2	Free Oil S1/TOC *	PI	UV Fluorescence Intensity	UV Streaming Cut	UV Reaction Rating	Comments	
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1400	1410	1405																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1410	1420	1415																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1420	1430	1425																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1430	1440	1435																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1440	1450	1445																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Cherokee	cuttings											1450	1460	1455																								
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings		20		60			10		10	5	2210	2220	2215						0.23																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10	40		30			10		10	3	2220	2230	2225						0.73																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20		60			10		10	3	2230	2240	2235						0.36																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10		60			10		20	3	2240	2250	2245						0.36																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10		60			10		20	3	2250	2260	2255						0.37																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10		60			10		20	3	2260	2270	2265						0.24																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10		60			10		20	3	2270	2280	2275						0.18																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20		20	40			10		10	3	2280	2290	2285						0.43																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	10	20	50	20					3	2290	2300	2295						0.49																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	10	60	10					3	2300	2310	2305						0.59																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	20	40				10		10	3	2310	2320	2315						0.40																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	20	40				10		10	3	2320	2330	2325						0.51																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	20	40				10		10	3	2330	2340	2335						0.44																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	20	40				10		10	3	2340	2350	2345						0.43																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings	20	20	40				10		10	3	2350	2360	2355						0.29																		
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings		20	60				20		3	2360	2370	2365						0.27																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings		20	10	60			10		3	2370	2380	2375						0.28																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Chattanooga	cuttings		20		50			20		3	2380	2390	2385						0.25																			
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings		10	10	40			40		1	2860	2870	2865						0.05		0.07	0.09	0.00															
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings			20	30			50		1	2870	2880	2875						0.06		0.03	0.05	0.00															
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings			30	20			50		1	2880	2890	2885						0.03		0.03	0.06	0.00															
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings			40	30			30		1	2890	2900	2895						0.08		0.01	0.03	0.00															
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings			20	50			30		1	2900	2910	2905						0.13		0.09	0.12	0.03															
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings		10	30	50			10		1	2920	2930	2925						0.15		0.05	0.24	0.00		436	0.69												
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings		10	60	20			10		1	2930	2940	2935						0.21		0.09	0.30	0.05		424	0.47												
15013200090000	Kansas	Brown	Terra Resources	Bechtold #1	Maquoketa	cuttings		10	70	20					1	2940	2950	2945						0.19		0.09	0.27	0.05		422	0.44												

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