

Total Organic Carbon and Pyrolysis Analyses
Anschutz Exploration Corporation
555 17th St, Suite 2400
Denver, CO 80202
January 13, 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 * 100	PI	UV Fluorescence Intensity	UV Streaming Cut	UV Reaction Rating	Comments
15131200730000	Kansas	Nemaha	Texas El Dorado	Norrie-Scoby #B3-2	Simpson sand	core									100		4000.5	4000.5	4000.5						0.72		0.28	3.61	0.22	463	1.17			501	31	3.89	39	0.07	strong	yes	5	
151312007300000	Kansas	Nemaha	Texas El Dorado	Norrie-Scoby #B3-2	Simpson sand	core									100		4003.5	4003.5	4003.5						0.38		0.10	1.46	0.20	462	1.16			384	53	1.56	26	0.06	very strong	yes	5	
151312007300000	Kansas	Nemaha	Texas El Dorado	Norrie-Scoby #B3-2	Simpson sand	core									100		4029.8	4029.8	4029.8						16.36		3.57	133.63	0.36	467	1.25			817	2	137.20	22	0.03	strong	yes	5	
151312007300000	Kansas	Nemaha	Texas El Dorado	Norrie-Scoby #B3-2	Simpson sand	core	60								40		4034.0	4034.0	4034.0						9.46		1.37	54.10	0.34	477	1.43			572	4	55.47	14	0.02	moderate	yes	5	

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