

Total Organic Carbon and Pyrolysis Analyses
Anschutz Exploration Corporation
555 17th St, Suite 2400
Denver, CO 80202
May 11, 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
15131200570000	Kansas	Nemaha	Nemaha Rift	Wesley #2	Simpson	cuttings										3	3640	3650	3649						1.10	3.56	4.72	0.71						429	65	8.26	324	0.43				
15131200570000	Kansas	Nemaha	Nemaha Rift	Wesley #2	Simpson	core		30		70						5	3648.0	3648.0	3648.0						0.46	0.12	0.95	0.24	463	1.17				207	52	1.07	26	0.11	weak	yes	5	
15131200570000	Kansas	Nemaha	Nemaha Rift	Wesley #2	Simpson	core			30	70						5	3651.0	3651.0	3651.0						0.36	0.02	0.60	0.20	461	1.14				167	56	0.62	6	0.03	weak	yes	5	
15131200570000	Kansas	Nemaha	Nemaha Rift	Wesley #2	Simpson	cuttings										1	3650	3660	3655						1.88	5.83	9.71	0.4						516	21	15.54	310	0.37				
15131200570000	Kansas	Nemaha	Nemaha Rift	Wesley #2	Simpson	cuttings										1	3660	3670	3665						1.02	3.44	4.66	0.31						457	30	8.10	337	0.42				

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