

Table OA2. Samples used for sequential hydrous pyrolysis and expelled liquid pyrolysate number.

Sample #	Formation	Experiment #	Temp (°C)	Rock (g)	Water (g)	Liquid product #
31	Shublik	2467	300	250	450	31A
31	Shublik	2475	320	250	450	31B
31	Shublik	2480	340	250	450	31C
31	Shublik	2485	360	250	450	31D
32	Canning	2468	300	380	425	
32	Canning	2474	320	380	425	
32	Canning	2479	340	380	425	
32	Canning	2484	360	380	425	
33	Hue	2469	300	290	450	33A
33	Hue	2472	320	290	450	
33	Hue	2477	340	290	450	
33	Hue	2482	360	290	450	
34	Hue	2470	300	500	420	34A
34	Hue	2473	320	500	420	34B
34	Hue	2478	340	500	420	34C
34	Hue	2483	360	500	420	34D
35	Hue	2471	300	500	400	
35	Hue	2476	320	500	400	
35	Hue	2481	340	500	400	
35	Hue	2486	360	500	400	
36	Pebble Shale	2488	300	225	422	
36	Pebble Shale	2493	320	225	422	
36	Pebble Shale	2499	340	225	422	
36	Pebble Shale	2510	360	225	422	
37	Kingak	2489	300	238	427	
37	Kingak	2496	320	238	427	
37	Kingak	2502	340	238	427	
37	Kingak	2511	360	238	427	
38	Hue	2490	300	442	404	
38	Hue	2497	320	442	404	38B
38	Hue	2500	340	442	404	
38	Hue	2513	360	442	404	
42	Hue	2491	300	283	407	42A
42	Hue	2495	320	283	407	42B
42	Hue	2501	340	283	407	42C
42	Hue	2512	360	283	407	42D

Experiments performed for 72 hours, in 1028 ml Hastelloy - C reactors using distilled water and helium headspace gas at 35 psia.