

Table OA18. Calculation of Gas-to-Oil Ratios (GOR) of hydrous pyrolysis experiments.

Sample #	Formation	HP No.	HP Temp (° C)	Measured Total Gas Pressure (psia)	Measured Temp (deg C)	Measured Headspace volume (ml)	Calculated Total Gas @60F 1atm (ml)	Measured HC Gas Mole Fraction	Calculated HC Gas @60F 1atm (cubic feet)	Measured Oil Gravity (deg API)	Calculated Oil Gravity (deg API)	Calculated Oil Density (g/cc)	Measured Oil Yield (grams)	Calculated Oil Yield (bbls)	GOR (Cuft/bbl)	
31	Shublik	2475	320	66.2	25.3	483.24	2105.2	0.0671	0.00499			28	0.8871	0.125	6.975E-07	7148
31	Shublik	2480	340	76.5	20.1	492.36	2522.6	0.1544	0.01375	29	29	0.8816	1.076	5.967E-06	2305	
31	Shublik	2485	360	82.0	24.0	487.80	2643.8	0.2202	0.02056	27	27	0.8927	3.353	1.883E-05	1092	
									0.03929					2.549E-05	Overall 1541	
34	Hue	2470	300	161.1	29.0	433.08	4535.1	0.0077	0.00123	33	33	0.8602	0.531	2.873E-06	427	
34	Hue	2473	320	172.6	27.1	436.12	4923.9	0.0113	0.00197		30	0.8762	0.293	1.615E-06	1222	
34	Hue	2478	340	124.8	18.6	446.76	3753.4	0.0369	0.00489	26	26	0.8984	1.069	6.041E-06	810	
34	Hue	2483	360	95.9	25.8	452.84	2853.1	0.0962	0.00969		26	0.8984	0.346	1.955E-06	4957	
									0.01778					1.248E-05	Overall 1425	
42	Hue	2491	300	116.8	22.3	449.80	3492.4	0.0667	0.00823	34	34	0.8550	0.384	2.065E-06	3984	
42	Hue	2495	320	57.6	21.6	489.32	1878.1	0.1883	0.01249	35	35	0.8498	0.885	4.731E-06	2640	
42	Hue	2501	340	64.9	22.4	484.76	2090.7	0.2388	0.01763	37	37	0.8398	0.435	2.298E-06	7674	
42	Hue	2512	360	72.3	22.7	480.20	2304.8	0.3994	0.03251		38	0.8348	0.224	1.176E-06	27637	
									0.07085					1.027E-05	Overall 6899	
32	Canning	2468	300	71.9	27.1	468.04	2201.3	0.0042	0.00032							
32	Canning	2474	320	39.7	24.3	496.92	1302.6	0.0082	0.00038							
32	Canning	2479	340	38.8	18.8	498.44	1301.0	0.0157	0.00072							
32	Canning	2484	360	37.1	20.4	498.44	1237.2	0.0272	0.00119							
									0.00261							
33	Hue	2469	300	49.4	30.1	469.56	1502.3	0.0653	0.00346							
33	Hue	2472	320	46.4	26.4	478.68	1456.3	0.0651	0.00335							
33	Hue	2477	340	60.3	25.3	481.72	1911.6	0.0326	0.00220							
33	Hue	2482	360	54.0	15.9	483.24	1773.1	0.0092	0.00057							
									0.00959							
35	Hue	2471	300	101.1	24.7	434.60	2897.3	0.0187	0.00191							
35	Hue	2476	320	53.4	24.0	452.84	1598.3	0.0816	0.00461							
35	Hue	2481	340	49.2	19.8	460.44	1518.8	0.0554	0.00297							
35	Hue	2486	360	54.3	21.4	454.36	1645.1	0.1947	0.01131							
									0.02080							
36	Pebble Shale	2488	300	56.7	25.8	527.32	1964.3	0.0114	0.00079							
36	Pebble Shale	2493	320	44.3	23.9	527.32	1544.5	0.0144	0.00079							
36	Pebble Shale	2499	340	45.0	21.9	534.92	1602.3	0.0106	0.00060							
36	Pebble Shale	2510	360	40.6	21.8	544.04	1470.8	0.0082	0.00042							
									0.00260							
37	Kingak	2489	300	51.1	21.8	524.28	1784.0	0.0083	0.00052							
37	Kingak	2496	320	40.0	22.7	489.32	1299.4	0.0101	0.00046							
37	Kingak	2502	340	36.7	22.5	528.84	1289.3	0.0132	0.00060							
37	Kingak	2511	360	39.5	23.3	531.88	1391.9	0.0184	0.00090							
									0.00249							
38	Hue	2490	300	79.3	22.3	454.36	2395.2	0.1067	0.00902							
38	Hue	2497	320	58.6	23.5	477.16	1851.3	0.1225	0.00801							
38	Hue	2500	340	56.1	22.2	478.68	1785.7	0.1707	0.01076							
38	Hue	2513	360	55.0	22.7	490.84	1792.2	0.1472	0.00931							
									0.03711							