

Simplified Release Analysis Data Fit  
Beckley Seam  
(Table 2, Figure 6)

Composition (% Ash)	Weight %	Wt. Ash	Rate Constant	Time (min)	Recovery	Stage 1	Cell 1	Wt. Conc.	Wt. Ash	Cell 2	Wt. Conc.	Wt. Ash	Cell 3	Wt. Conc.	Wt. Ash
0.0	30.64	0.00	1.00	15.00	1.00			30.64	0.00		30.64	0.00		30.64	0.00
10.0	34.16	3.42	0.29		0.99			33.73	3.37		33.30	3.33		32.86	3.29
20.0	0.00	0.00	0.10		0.78			0.00	0.00		0.00	0.00		0.00	0.00
30.0	0.00	0.00	0.10		0.78			0.00	0.00		0.00	0.00		0.00	0.00
40.0	0.94	0.38	0.10		0.78			0.73	0.29		0.57	0.23		0.44	0.18
50.0	2.48	1.24	0.09		0.75			1.86	0.93		1.39	0.70		1.04	0.52
60.0	0.00	0.00	0.09		0.75			0.00	0.00		0.00	0.00		0.00	0.00
70.0	0.00	0.00	0.09		0.75			0.00	0.00		0.00	0.00		0.00	0.00
80.0	0.00	0.00	0.09		0.75			0.00	0.00		0.00	0.00		0.00	0.00
90.0	14.93	13.44	0.06		0.61			9.11	8.20		5.55	5.00		3.39	3.05
100.0	16.85	16.85	0.04		0.47			7.89	7.89		3.69	3.69		1.73	1.73
100.00	35.32							83.95	20.68		75.15	12.95		70.12	8.77
														<b>70.17</b>	<b>12.50</b>
								% Ash	24.63		% Ash	17.23		% Ash	12.50
														Residual	0.047054

Yield	Ash	Recovery	Rejection	Ash per 100
14.68	3.57	21.89	98.52	0.52
39.62	4.78	58.32	94.63	1.90
62.03	7.77	88.45	86.35	4.82
70.12	12.50	94.86	75.18	8.77
100.00	35.32	100.00	0.00	35.32

Stage 2	Float 1	Factor	Recovery	Wt. Conc.	Wt. Ash	Wt. Tail	Float 2	Factor	Recovery	Wt. Conc.	Wt. Ash	Wt. Tail	Float 3	Factor	Recovery	Wt. Conc.	Wt. Ash	Wt. Tail	Wt. Ash
		0.43	0.35	10.65	0.00	19.99		1.36	0.74	14.88	0.00	5.11		5.51	1.00	5.09	0.00	0.02	0.00
			0.12	3.85	0.39	29.03			0.33	9.53	0.95	19.51			0.80	15.59	1.56	3.91	0.39
			0.04	0.00	0.00	0.00			0.13	0.00	0.00	0.00			0.42	0.00	0.00	0.00	0.00
			0.04	0.00	0.00	0.00			0.13	0.00	0.00	0.00			0.42	0.00	0.00	0.00	0.00
			0.04	0.02	0.01	0.42			0.13	0.05	0.02	0.37			0.42	0.16	0.06	0.21	0.09
			0.04	0.04	0.02	1.00			0.12	0.12	0.06	0.88			0.40	0.35	0.18	0.53	0.27
			0.04	0.00	0.00	0.00			0.12	0.00	0.00	0.00			0.40	0.00	0.00	0.00	0.00
			0.04	0.00	0.00	0.00			0.12	0.00	0.00	0.00			0.40	0.00	0.00	0.00	0.00
			0.04	0.00	0.00	0.00			0.12	0.00	0.00	0.00			0.40	0.00	0.00	0.00	0.00
			0.03	0.09	0.08	3.30			0.08	0.27	0.24	3.03			0.29	0.88	0.80	2.14	1.93
			0.02	0.03	0.03	1.70			0.06	0.09	0.09	1.60			0.21	0.33	0.33	1.27	1.27
										24.94	1.37					22.41	2.93	8.09	3.94
										<b>14.68</b>	<b>3.57</b>					<b>22.41</b>	<b>13.06</b>	<b>8.14</b>	<b>48.51</b>
										% Ash	3.57				% Ash	13.06	% Ash	48.72	