

Tree Analysis  
 Simulated Beckley Seam  
 (Figures 15, 18, 30, 37, 45, 50)

**Tree Analysis (4 levels)**

Yield	Ash	Recovery	Rejection	Ash per 100
18.43	0.73	28.29	99.62	0.13
35.91	2.59	54.08	97.37	0.93
52.84	7.20	75.81	89.23	3.80
74.00	19.00	92.66	60.19	14.06
100.00	35.32	100.00	0.00	35.32

**Tree Analysis (5 levels)**

Yield	Ash	Recovery	Rejection	Ash per 100
15.38	0.38	23.69	99.84	0.06
30.63	1.44	46.68	98.75	0.44
43.83	3.79	65.19	95.29	1.66
58.85	8.89	82.89	85.19	5.23
77.78	20.92	95.11	53.93	16.27
100.00	35.32	100.00	0.00	35.32

**Tree Analysis (6 levels)**

Yield	Ash	Recovery	Rejection	Ash per 100
13.06	0.20	20.15	99.93	0.03
27.01	0.82	41.42	99.37	0.22
37.88	2.33	57.19	97.50	0.88
49.78	4.91	73.19	93.09	2.44
63.38	10.45	87.75	81.25	6.62
80.67	22.56	96.58	48.47	18.20
100.00	35.32	100.00	0.00	35.32

Tree Analysis  
 Simulated Beckley Seam  
 (Figures 16, 18, 30, 37, 45, 50)

**Tree Analysis (1 minute flotation time)**

Yield	Ash	Recovery	Rejection	Ash per 100
3.13	0.11	4.83	99.99	0.00
12.65	0.45	19.47	99.84	0.06
26.27	1.57	39.97	98.83	0.41
42.39	4.92	62.32	94.09	2.09
65.15	15.42	85.19	71.56	10.05
100.00	35.32	100.00	0.00	35.32

**Tree Analysis (2 minutes flotation time)**

Yield	Ash	Recovery	Rejection	Ash per 100
15.38	0.38	23.69	99.84	0.06
30.63	1.44	46.68	98.75	0.44
43.83	3.79	65.19	95.29	1.66
58.85	8.89	82.89	85.19	5.23
77.78	20.92	95.11	53.93	16.27
100.00	35.32	100.00	0.00	35.32

**Tree Analysis (3 minutes flotation time)**

Yield	Ash	Recovery	Rejection	Ash per 100
26.04	0.90	39.90	99.34	0.23
40.60	2.81	61.01	96.77	1.14
54.05	5.81	78.71	91.11	3.14
67.52	12.26	91.59	76.57	8.28
83.95	24.63	97.82	41.45	20.68
100.00	35.32	100.00	0.00	35.32