

**UPDATED GAS CONTENT RESULTS - Eastern Star Gas**

Borehole: BWN1C

GeoGAS Contact: Geoff Williams (02 42 259 279)



GeoGAS Sample Number	Client Sample Number	Seam	Depth from (m)	Depth to (m)	Measured Gas Content Qm (m <sup>3</sup> /t)				Desorption Rate @ Sample Ash		Ash/Density		Gas Composition				
					at Sample Ash	at 15% Ash	Ash Free	Dry Ash Free	GeoGAS DRI	IDR30 (m <sup>3</sup> /t)	RD (g/cc)	Sample Ash (% ad)	H <sub>2</sub> S Detected	CH <sub>4</sub> /CH <sub>4</sub> + CO <sub>2</sub>	CH <sub>4</sub> % Air Free	CO <sub>2</sub> % Air Free	N <sub>2</sub> % Air Free
ES0001	BWNI-ESG01	Upper Black Jack	610.02	610.68	2.59	6.51	7.66	7.85	388	0.07	1.98	66.2	No	0.31	18.82	41.94	39.23
ES0002	BWNI-ESG03	Upper Black Jack	612.12	612.90	4.58	6.70	7.88	8.08	574	0.12	1.78	41.8	No	0.33	27.75	56.98	15.27
ES0003	BWNI-ESG03	Upper Black Jack	613.95	614.59	2.11	6.04	7.10	7.28	236	0.07	2.10	70.3	No	0.29	15.65	38.01	46.34
ES0004	BWNI-ESG04	Upper Black Jack	619.00	619.74	3.13	5.80	6.82	6.97	487	0.13	1.90	54.1	No	0.21	17.57	66.86	15.57
ES0005	BWNI-ESG05	Upper Black Jack	622.85	623.63	5.98	7.21	8.49	8.72	740	0.18	1.60	29.6	No	0.21	15.92	60.98	23.11
ES0006	BWNI-ESG06	Upper Black Jack	624.13	624.89	6.21	6.96	8.19	8.42	726	0.23	1.50	24.2	No	0.21	16.03	60.25	23.72
ES0007	BWNI-ESG07	Upper Black Jack	632.79	633.27	3.91	6.08	7.16	7.38	511	0.11	1.76	45.4	No	0.19	13.86	60.32	25.83
ES0008	BWNI-ESG08	Hoskissons	645.20	645.98	5.36	11.27	13.25	13.56	616	0.09	2.04	59.6	No	0.19	14.22	60.73	25.05
ES0009	BWNI-ESG09	Hoskissons	645.98	646.76	6.72	8.21	9.66	9.92	863	0.17	1.59	30.4	No	0.19	14.59	60.44	24.97
ES0010	BWNI-ESG10	Hoskissons	646.76	647.54	6.18	7.01	8.25	8.46	746	0.22	1.49	25.1	No	0.20	15.29	62.31	22.40
ES0011	BWNI-ESG11	Hoskissons	647.54	648.30	6.85	6.77	7.97	8.22	912	0.41	1.41	14.0	No	0.21	16.53	61.22	22.25
ES0012	BWNI-ESG12	Hoskissons	648.30	649.07	7.02	6.53	7.68	7.99	851	0.59	1.40	8.5	No	<b>0.22</b>	<b>21.81</b>	<b>78.19</b>	<b>0.00</b>
ES0013	BWNI-ESG13	Hoskissons	649.07	649.85	7.36	7.11	8.36	8.68	943	0.42	1.49	11.9	No	0.23	17.35	59.45	23.19
ES0014	BWNI-ESG14	Hoskissons	649.85	650.62	7.52	6.93	8.16	8.50	954	0.40	1.40	7.8	No	0.22	17.38	60.19	22.43
<b>Weighted Averages</b>			<b>Hoskissons</b>	<b>645.20</b>	<b>650.62</b>	<b>6.66</b>	<b>7.82</b>	<b>9.20</b>	<b>9.49</b>	<b>832</b>	<b>0.31</b>	<b>24.1</b>		<b>0.22</b>	<b>21.81</b>	<b>78.19</b>	<b>0.00</b>
ES0015	BWNI-ESG15	Upper Maules Creek	795.35	796.13	8.87	8.50	9.99	10.24	849	1.33	1.40	11.2	No	0.78	62.49	17.79	19.72
ES0016	BWNI-ESG16	Upper Maules Creek	796.13	796.91	7.88	7.11	8.37	8.60	689	1.05	1.32	5.9	No	0.76	59.66	18.41	21.94
ES0017	BWNI-ESG17	Upper Maules Creek	796.91	797.69	8.73	8.07	9.50	9.77	802	1.50	1.31	8.1	No	0.79	63.03	16.74	20.23
<b>Weighted Averages</b>			<b>Upper Maules Creek</b>	<b>795.35</b>	<b>797.69</b>	<b>8.51</b>	<b>7.91</b>	<b>9.31</b>	<b>9.55</b>	<b>782</b>	<b>1.30</b>	<b>8.5</b>		<b>0.78</b>	<b>61.76</b>	<b>17.63</b>	<b>20.60</b>
ES0018	BWNI-ESG18	Bohena	832.15	832.93	8.36	7.46	8.78	9.03	732	0.99	1.30	4.8	No	<b>0.73</b>	<b>72.72</b>	<b>27.28</b>	<b>0.00</b>
ES0019	BWNI-ESG19	Bohena	832.93	833.71	8.46	7.65	9.00	9.22	752	0.94	1.32	5.9	No	0.73	59.52	21.58	18.90
ES0020	BWNI-ESG20	Bohena	833.71	834.49	8.32	7.42	8.74	8.98	762	1.01	1.30	4.7	No	0.73	59.34	22.16	18.50
ES0021	BWNI-ESG21	Bohena	834.49	835.27	6.34	5.68	6.68	6.83	560	1.25	1.30	5.1	No	<b>0.70</b>	<b>69.81</b>	<b>30.19</b>	<b>0.00</b>
ES0022	BWNI-ESG22	Bohena	835.27	836.05	9.12	8.29	9.75	10.00	850	1.31	1.40	6.4	No	0.73	59.74	21.57	18.70
ES0023	BWNI-ESG23	Bohena	836.05	836.83	8.76	7.89	9.28	9.48	845	1.29	1.40	5.6	No	<b>0.72</b>	<b>72.08</b>	<b>27.92</b>	<b>0.00</b>
<b>Weighted Averages</b>			<b>Bohena</b>	<b>832.15</b>	<b>836.83</b>	<b>8.21</b>	<b>7.39</b>	<b>8.69</b>	<b>8.91</b>	<b>748</b>	<b>1.13</b>	<b>5.4</b>		<b>0.72</b>	<b>71.52</b>	<b>28.48</b>	<b>0.00</b>

Notes: Gas composition in bold blue are the helium flush results  
 Sample validation to be completed at end of project when all results received

**PROXIMATE ANALYSIS RESULTS - Eastern Star Gas**

Borehole: BWN1C

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Sample Number	Powdered Coal (Q3f)						Non Crushed Coal (Q1 & Q2f)						Weighted Average Prox Results				Total Mass (g)
	Ash (% ad)	Inherent Moisture (%)	Volatile Matter (% ad)	Fixed Carbon (%)	Relative Density (g/cc)	Sample Mass (g)	Ash (% ad)	Inherent Moisture (%)	Volatile Matter (% ad)	Fixed Carbon (%)	Relative Density (g/cc)	Sample Mass (g)	Ash (%ad)	Inherent Moisture (%)	Volatile Matter (% ad)	Relative Density (g/cc)	
ES0001	58.5	3.3	13.1	25.1	1.80	400	67.2	2.3	13.1	17.4	2.00	3111	66.2	2.4	13.1	1.98	3511
ES0002	36.8	3.9	18.4	40.9	1.70	660	42.9	2.2	18.3	36.6	1.80	2983	41.8	2.5	18.3	1.78	3643
ES0003	67.4	4.6	12.3	15.7	2.10	400	70.6	2.3	13.0	14.1	2.10	4143	70.3	2.5	12.9	2.10	4543
ES0004	53.9	4.6	12.0	29.5	1.90	400	54.1	1.8	15.1	29.0	1.90	3601	54.1	2.1	14.8	1.90	4001
ES0005	26.9	4.0	24.4	44.7	1.60	400	29.9	2.5	25.5	42.1	1.60	3117	29.6	2.7	25.4	1.60	3517
ES0006	18.8	4.4	27.2	49.6	1.50	400	25.0	2.4	28.3	44.3	1.50	2870	24.2	2.6	28.2	1.50	3270
ES0007	39.8	4.0	22.9	33.3	1.60	400	46.6	2.8	22.7	27.9	1.80	1841	45.4	3.0	22.7	1.76	2241
ES0008	25.6	5.2	26.0	43.2	1.50	400	63.5	1.9	18.7	15.9	2.10	3441	59.6	2.2	19.5	2.04	3841
ES0009	16.5	5.2	24.6	53.7	1.50	400	32.3	2.3	24.9	40.5	1.60	2964	30.4	2.6	24.9	1.59	3364
ES0010	13.0	5.2	29.1	52.7	1.40	400	26.7	2.2	26.6	44.5	1.50	2992	25.1	2.6	26.9	1.49	3392
ES0011	16.5	5.9	28.6	49.0	1.50	400	13.6	2.7	27.2	56.5	1.40	2588	14.0	3.1	27.4	1.41	2988
ES0012	10.5	6.6	28.2	54.7	1.40	400	8.2	3.5	30.0	58.3	1.40	2425	8.5	3.9	29.7	1.40	2825
ES0013	8.2	6.7	26.1	59.0	1.40	400	12.5	3.3	30.4	53.8	1.50	2724	11.9	3.7	29.8	1.49	3124
ES0014	7.8	6.2	26.3	59.7	1.40	600	7.8	3.5	27.4	61.3	1.40	2447	7.8	4.0	27.2	1.40	3047
ES0015	8.7	3.8	31.9	55.6	1.40	400	11.6	2.2	31.7	54.5	1.40	2544	11.2	2.4	31.7	1.40	2944
ES0016	5.5	4.2	34.6	55.7	1.40	600	6.0	2.2	36.4	55.4	1.30	2152	5.9	2.6	36.0	1.32	2752
ES0017	8.1	4.4	31.4	56.1	1.40	400	8.1	2.5	32.6	56.8	1.30	2498	8.1	2.8	32.4	1.31	2898
ES0018	4.5	4.0	33.6	57.9	1.30	400	4.8	2.6	34.7	57.9	1.30	2571	4.8	2.8	34.6	1.30	2971
ES0019	5.7	4.1	32.4	57.8	1.40	400	6.0	2.2	31.9	59.9	1.30	2422	6.0	2.5	32.0	1.31	2822
ES0020	3.9	4.1	32.9	59.1	1.30	400	4.9	2.5	35.1	57.5	1.30	2478	4.8	2.7	34.8	1.30	2878
ES0021	5.2	4.2	32.8	57.8	1.30	400	5.1	1.9	34.9	58.1	1.30	2575	5.1	2.2	34.6	1.30	2975
ES0022	6.2	4.4	31.2	58.2	1.40	600	6.5	2.0	30.2	61.3	1.40	2315	6.4	2.5	30.4	1.40	2915
ES0023	5.3	4.3	31.6	58.8	1.40	400	5.7	1.8	33.4	59.1	1.40	2355	5.6	2.2	33.1	1.40	2755