

Petroleum potential of the Bass Basin

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Unit/zone	Index No.	Well name	Core No.	Depth (m)	Lithology	TOC %	EOM ppm	SATS ppm	AROM ppm	POLAR ppm	Vitr. R. Ro mean max. †	Source rating.
L. EVCM <i>L. balmei</i>	3	Aroo 1	1	2 903.8	Shale	6.05	5 020	608	1 450	486	0.65	Good
L. EVCM <i>L. balmei</i>	11	Bass 2	9	1 679.0	Siltstone	2.40	2 360	765	484	672	0.35	Very good
L. EVCM <i>L. balmei</i>	13	Bass 3	10	2 104.6	Shale	20.10	11 500	1 100	5 460	1 410	0.63	Good
L. EVCM <i>L. balmei</i>	14	Bass 3	11	2 265.6	Sandstone	2.40	1 530	129	684	353	0.56	Good
L. EVCM <i>T. longus</i>	15	Bass 3	13	2 408.8	Siltstone	0.60	152	57	52	54	—	Fair
L. EVCM Lower <i>M. diversus</i>	19	Narimba 1	1	2 833.6	Shale	7.10	12 300	6 250	3 300	1 140	0.67	Very good
L. EVCM Lower <i>M. diversus</i>	20	Narimba 1	2	2 912.3	Shale, siltstone	0.85	1 680	29	353	586	0.62	Good
L. EVCM Lower <i>M. diversus</i>	21	Narimba 1	3	2 972.3	Shale	1.85	2 600	193	1 220	533	0.56	Very good
L. EVCM Lower <i>M. diversus</i>	22	Poonboon 1	2	2 472.8	Coal	65.80	39 930	3 270	4 820	10 290	0.60	Fair
L. EVCM <i>L. balmei</i>	23	Poonboon 1	4	3 034.0	Shale	1.75	1 030	176	324	231	0.70	Good
L. EVCM <i>T. longus</i>	24	Poonboon 1	5	3 258.6	Siltstone	1.20	809	79	250	202	0.66	Good
Otway Group	27	Durroon 1	3	1 695.9	Sandstone	1.80	988	66	127	595	0.38	Fair
Otway Group	28	Durroon 1	4	2 567.0	Siltstone	4.50	1 200	13	633	319	(0.54)	Fair
Otway Group	29	Durroon 1	5	3 024.2	Sandstone	3.75	2 500	43	1 020	539	0.69	Good

† Values in parenthesis are uncertain, too few determinations having been made to give a reliable mean.

Source rock chemistry

Figure 24

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