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1987/26. Vitrinite reflectance data for Tasmanian offshore wells.

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Abstract

All known vitrinite reflectance data for offshore wells drilled in Tasmanian waters are tabulated.

INTRODUCTION

Maturity of sedimentary rock sequences can be determined by measuring the reflectance of finely dispersed small huminite or vitrinite particles, thus allowing a sediment to be evaluated whether oil or gas generation has taken place (Tissot and Welte, 1984).

Vitrinite reflectance is now a standard technique in petroleum geology and provides essential data for basin analysis.

A considerable body of vitrinite reflectance data now exists for offshore wells drilled in Tasmanian waters. This information is scattered throughout a relatively large number of reports, and it is the purpose of this report to combine the data into a single volume.

The data are presented on a per-well basis, and are arranged in order of increasing depth. All values have been referenced to the sea floor, i.e. the reference value comprises the sum of the KB elevation above mean sea level and the water depth.

The individual analysts are also indicated according to the following code:-

AM	Amdel
ANA	Analabs
CO	Professor A. Cook (University of Wollongong)
CSI	CSIRO
RR	Robertson Research

Where possible sample type is distinguished:-

C	Core
CUT	Cuttings (top value indicated)
SWC	Sidewall core

REFERENCES

- AMOCO AUSTRALIA PETROLEUM COMPANY. 1982. *Cape Sorell No. 1. Well completion report.* (Unpublished).
- AMOCO AUSTRALIA PETROLEUM COMPANY. 1984. Vitrinite reflectance data on sixteen wells from the Bass Basin. *Unpublished Report Amoco Australia Pet. Co. F3/0/0-6117/85.*

- AMOCO AUSTRALIA PETROLEUM COMPANY. 1986. Vitrinite reflectance data, Bass-3, Cormorant-1, Durroon-1, Konkon-1, Pipipa-1, Bass Basin. *Unpublished Report Amoco Australia Pet. Co. F3/786/0 - F6628/87.*
- BRIDGE OIL LIMITED. 1985. *Palynologic, source rock, and vitrinite reflectance studies, Durroon No. 1.* (Unpublished)
- FURR, B. C. 1986a. *Chat No. 1, Well Completion Report.* Bridge Oil Limited (Unpublished).
- FURR, B. C. 1986b. *Seal No. 1, Well Completion Report.* Bridge Oil Limited (Unpublished).
- NICHOLAS, E.; LOCKWOOD, K. L.; MARTIN, A. R.; JACKSON, K. S. 1981. Petroleum potential of the Bass Basin. *BMR Journal of Australian Geology and Geophysics.* 6:199-212.
- RAPHAEL, I. N. M.; SAXBY, J. D. 1979. A report to the Bureau of Mineral Resources, Canberra. *CSIRO Restricted Investigation Report.* 1030R.
- TISSOT, B. P.; WELTE, D. H. 1984. *Petroleum formation and occurrence.* Springer-Verlag (2nd Edition).
- VAN DIEMEN'S LAND RESOURCES N. L. 1982. *Annual Report, Year 2, T/17P, Otway Basin, Tasmania.* (Unpublished).
- WATSON, B. 1985a. Vitrinite reflectance data, Dondu-1 and Pipipa-1. *AMDEL Report F6177/85 for Amoco Australia Petroleum Company.* (Unpublished).
- WATSON, B. 1985b. Vitrinite reflectance determinations and organic petrology, Yolla-1, T/14P, Bass Basin. *AMDEL Report F6271 for Amoco Australia Petroleum Company.* (Unpublished).
- WATSON, B. 1986a. Vitrinite reflectance and organic petrology, Pelican-5, T/22P, Bass Basin. *AMDEL Report F/6365/86 for Amoco Australia Petroleum Company.* (Unpublished).
- WATSON, B. 1986b. Vitrinite reflectance and organic petrology, Koorkah-1, T/18P, Bass Basin. *AMDEL Report F/6358/86 for Amoco Australia Petroleum Company.* (Unpublished).
- WATSON, B. 1986c. Vitrinite reflectance and organic petrology, Tilana-1, T/14P, Bass Basin. *AMDEL Report F 6321 (2) for Amoco Australia Petroleum Company.* (Unpublished).
- WEAVER OIL AND GAS LTD. 1985. *Squid No. 1 and Squid No. 1 Sidetrack Well Completion Report.* (Unpublished).

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WELL NAME Aroo-1 **Reference value** 86 m

BASIN Bass

BIBLIOGRAPHY Raphael and Saxby, 1979;
Amoco, 1984.

DEPTH (metres)	ANALYST	SAMPLE TYPE	DITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2818	CSI	C	0.65		0.55-0.70	50
2818	AM		0.68	0.05	0.55-0.76	32

WELL NAME Bass-1 Reference value 90 m

BASIN Bass

BIBLIOGRAPHY Nicholas et al., 1981;
Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1708	CSI	C	0.50			
2022	CSI	C	0.40			
2176	AM		0.54	0.05	0.44-0.68	29
2179	AM		0.54	0.05	0.46-0.65	31
2261	CSI	C	0.47			

WELL NAME Bass-2

Reference value

95 m

BASIN Bass**BIBLIOGRAPHY** Nicholas et al., 1981

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
836	CSI	C	0.63			
1166	CSI	C	0.36			
1584	CSI	C	0.35			

WELL NAME

Bass-3

Reference value

71 m

BASIN

Bass

BIBLIOGRAPHY

Raphael and Saxby, 1979; Amoco, 1984; Amoco, 1986.

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
542	AM	CUT	0.43	0.04	0.39-0.46	2
825	AM	CUT	0.30	0.07	0.25-0.45	18
1142	AM	CUT	0.32	0.03	0.27-0.39	18
1305	CSI	C	0.40		0.30-0.45	11
1450	AM	CUT	0.46	0.04	0.34-0.55	34
1730	CSI	C	0.38		0.30-0.45	50
1758	AM	CUT	0.46	0.06	0.37-0.57	34
2033	CSI	C	0.63			
2034	CSI	C	0.63		0.55-0.70	39
2063	AM	CUT	0.52	0.08	0.38-0.64	25
2195	CSI	C	0.56		0.45-0.65	50
2195	AM		0.50	0.02	0.47-0.57	26
2195	CSI	C	0.56			
2198	AM		0.46	0.04	0.40-0.54	8
2334	AM	CUT	0.52	0.05	0.43-0.63	18

WELL NAME Cape Sorell-1 Reference value 116 m

BASIN Sorell

BIBLIOGRAPHY Amoco, 1982

DEPTH (metres)	ANALYST	SAMPLE TYPE	BITUMINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
3085	RR		0.90	0.08		18
3310	RR		1.00	0.11		26

WELL NAME Chat-1

Reference value

107 m

BASIN Bass

BIBLIOGRAPHY Furr, 1986a

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1633	CO	CUT	0.38		0.27-0.48	22
1949	CO	CUT	0.52		0.42-0.61	27
2347	CO	CUT	0.48		0.38-0.59	33
2443	CO	CUT	0.52		0.43-0.65	28
2602	CO	CUT	0.57		0.49-0.65	30

WELL NAME Clam-1

Reference value 132 m

BASIN Sorell

BIBLIOGRAPHY Raphael and Saxby, 1979

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
832	CSI	C	0.49		0.40-0.55	50

WELL NAME Cormorant-1 **Reference value** 104 m

BASIN Bass

BIBLIOGRAPHY Raphael and Saxby, 1979; Amoco, 1984; Amoco, 1986.

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
506	AM	CUT	0.30	0.02	0.28-0.33	3
810	AM	CUT	0.36	0.04	0.27-0.42	27
1055	CSI	C	0.40		0.30-0.45	9
1115	AM	CUT	0.42	0.07	0.30-0.58	32
1405	CSI	C	0.40		0.30-0.45	40
1416	CSI	C	0.41		0.35-0.45	50
1420	AM	CUT	0.45	0.05	0.36-0.57	33
1728	AM	CUT	0.52	0.05	0.42-0.63	37
2334	AM	CUT	0.69	0.05	0.63-0.82	18
2369	AM	CUT	0.86	0.05	0.78-0.99	15
2669	AM		0.79	0.07	0.65-0.91	21
2671	AM		0.81	0.05	0.68-0.89	33
2880	AM	CUT	0.95	0.09	0.75-1.15	32

WELL NAME Dondu-1

Reference value

92 m

BASIN Bass

BIBLIOGRAPHY

Amoco, 1984; Watson 1985a

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
2249	AM		0.49	0.05	0.39-0.59	19
2249	AM		0.50	0.04	0.44-0.58	16
2250	AM		0.50	0.04	0.43-0.61	27
2251	AM		0.51	0.04	0.45-0.62	19
2692	AM		0.93	0.07	0.73-1.04	34
2785	AM	CUT	0.94	0.08	0.76-1.18	29
2807	AM	CUT	0.96	0.06	0.83-1.08	27

WELL NAME Durroon-1

Reference value 78 m

BASIN Bass (Boobyalla Sub-basin)**BIBLIOGRAPHY** Nicholas et al., 1981; Bridge, 1985; Amoco, 1986.

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
529	AM	CUT	0.31	0.02	0.28-0.33	8
830	AM	CUT	0.32	0.02	0.29-0.35	4
1141	AM	CUT	0.52	0.04	0.46-0.58	8
1306	ANA	CUT	0.54	0.08	0.38-0.67	20
1342	ANA	CUT	0.49	0.07	0.41-0.61	7
1379	ANA	CUT	0.54	0.06	0.47-0.63	5
1416	ANA	CUT	0.57	0.09	0.46-0.68	7
1443	AM	CUT	0.61	0.04	0.56-0.66	7
1618	CSI	C	0.38			
1745	AM	CUT	0.42	0.07	0.30-0.50	4
2056	AM	CUT	0.44	0.04	0.35-0.50	17
2360	AM	CUT	0.57	0.08	0.43-0.71	24
2665	AM	CUT	0.60	0.06	0.45-0.70	33
2924	AM	CUT	0.67	0.10	0.49-0.82	24
2946	CSI	C	0.69			

WELL NAME Konkon-1

Reference value 80 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1986

DEPTH (metres)	ANALYST	SAMPLE TYPE	BITUMINE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
831	AM	CUT	0.47	0.07	0.31-0.56	12
1133	AM	CUT	0.47	0.05	0.36-0.59	32
1194	AM	CUT	0.46	0.05	0.35-0.57	46
1432	AM	CUT	0.50	0.05	0.40-0.59	34

WELL NAME Koorkah-1

Reference value

89 m

BASIN Bass

BIBLIOGRAPHY Watson, 1986b

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1431	AM	CUT	0.39	0.08	0.32-0.52	28
1501	AM	CUT	0.41	0.03	0.36-0.44	7
1619	AM	CUT	0.42	0.03	0.38-0.46	15
1718	AM	CUT	0.43	0.08	0.37-0.54	19
1817	AM	CUT	0.43	0.05	0.36-0.49	7
1907	AM	CUT	0.51	0.04	0.47-0.59	15
2114	AM	CUT	0.58	0.05	0.50-0.71	16
2213	AM	CUT	0.53	0.04	0.46-0.66	27
2312	AM	CUT	0.49	0.03	0.42-0.54	18
2519	AM	CUT	0.59	0.03	0.53-0.63	8
2618	AM	CUT	0.56	0.03	0.52-0.62	8
2717	AM	CUT	0.65	0.04	0.55-0.75	24
2915	AM	CUT	0.69	0.07	0.53-0.76	10
2973	AM	JWC	0.85	0.06	0.74-0.98	36
3014	AM	CUT	0.87	0.07	0.77-1.00	21
3037	AM	JWC	0.85	0.06	0.69-0.85	31

WELL NAME Nangkero-1

Reference value 89 m

BASIN Bass

BIBLIOGRAPHY Nicholas et al., 1981; Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2165	CSI	C	0.45			
2171	AM		0.50	0.06	0.37-0.61	31
2171	AM		0.51	0.05	0.42-0.62	28

WELL NAME Narimba-1

Reference value

87 m

BASIN

Bass

BIBLIOGRAPHY

Nicholas et al., 1981; Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2747	CSI	C	0.67			
2825	CSI	C	0.62			
2885	CSI	C	0.56			
3051	AM		0.71	0.06	0.56-0.86	26
3176	AM		0.78	0.09	0.57-0.94	31
3196	AM		0.79	0.06	0.66-0.96	29
3204	AM		0.78	0.10	0.68-0.92	7

WELL NAME Pelican-1

Reference value 107 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2497	AM		0.69	0.04	0.61-0.77	33
3060	AM		0.86	0.07	0.70-0.96	34
3062	AM		0.81	0.07	0.81-1.04	33

WELL NAME

Pelican-2

Reference value

108 m

BASIN

Bass

BIBLIOGRAPHY

Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2875	AM		0.80	0.04	0.72-0.87	25
2882	AM		0.81	0.09	0.60-0.96	32
2913	AM		0.82	0.06	0.67-0.91	29
2915	AM		0.81	0.05	0.72-0.95	32

WELL NAME Pelican-3 Reference value 90 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2802	AM		0.67	0.06	0.58-0.76	9
2810	AM		0.71	0.04	0.64-0.78	11

WELL NAME Pelican-4

Reference value 102 m

BASIN Bass**BIBLIOGRAPHY** Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2815	AM		0.75	0.06	0.65-0.84	26
2815	AM		0.73	0.06	0.63-0.84	33

WELL NAME Pelican-5

Reference value

99 m

BASIN Bass**BIBLIOGRAPHY** Watson, 1986c

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
1752	AM	CUT	0.37	0.03	0.31-0.43	33
1900	AM	SWC	0.57	0.04	0.47-0.65	34
2070	AM	CUT	0.52	0.04	0.44-0.58	34
2323	AM	CUT	0.54	0.03	0.48-0.64	33
2494	AM	CUT	0.66	0.05	0.57-0.77	32
2646	AM	CUT	0.77	0.08	0.57-0.87	33
2691	AM	C	0.70	0.04	0.60-0.78	36
2691	AM	CUT	0.73	0.09	0.57-0.90	35
2838	AM	C	0.69	0.12	0.43-0.98	34
2862	AM	CUT	0.82	0.07	0.70-0.94	35
3024	AM	CUT	0.88	0.05	0.74-0.97	33
3375	AM	CUT	0.99	0.07	0.85-1.14	34
3258	AM	CUT	0.96	0.09	0.78-1.19	32
3690	AM	CUT	1.27	0.08	1.14-1.45	41
3933	AM	CUT	1.43	0.11	1.21-1.72	35
4005	AM	CUT	1.40	0.10	1.18-1.64	42
4086	AM	CUT	1.41	0.08	1.29-1.57	22
4148	AM	C	1.67	0.15	1.36-1.95	41

WELL NAME Pipipa-1 **Reference value** 94 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1984; Watson, 1985a.

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1166	AM	CUT	0.40	0.06	0.30-0.51	13
1461	AM	CUT	0.48	0.06	0.40-0.61	16
1654	AM	CUT	2.29	0.14	2.00-2.71	32
1781	AM	CUT	1.97	0.08	1.81-2.23	34
1849	AM		1.48	0.10	1.23-1.62	28
1871	AM	CUT	1.41	0.06	1.29-1.52	27
1951	AM	CUT	1.75	0.13	1.48-1.94	33

WELL NAME Poonboon-1

Reference value

87 m

BASIN

Bass

BIBLIOGRAPHY

Raphael and Saxby, 1979; Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
2386	CSI	C	0.60		0.45-0.65	50
2386	AM		0.63	0.04	0.56-0.76	31
2386	AM		0.64	0.04	0.58-0.75	31
2947	CSI	C	0.70		0.55-0.75	30
2954	AM		0.71	0.05	0.60-0.80	28
2956	AM		0.69	0.06	0.58-0.79	24
3172	CSI	C	0.66		0.55-0.80	15
3172	AM		0.73	0.04	0.65-0.79	18
3172	AM		0.70	0.04	0.62-0.76	18
3178	AM		0.72	0.08	0.60-0.84	17

WELL NAME Prawn-A1 Reference value 135 m

BASIN Otway

BIBLIOGRAPHY Van Diemen's Land Resources, 1982

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
1171	CO	C	0.35		0.22-0.47	12
2208	CO	C	0.49		0.44-0.61	20
2696	CO	C	0.75		0.62-0.82	20
2873	CO	C	0.94		0.73-1.10	22
3055	CO	C	0.90		0.79-1.10	20

WELL NAME Seal-1

Reference value

91 m

BASIN

Bass

BIBLIOGRAPHY

Furr, 1986b

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1250	CO	CUT	0.83		0.72-0.95	27
1283	CO	CUT	0.86		0.72-1.29	29

WELL NAME

Squid-1

Reference value

103 m

BASIN

Bass

BIBLIOGRAPHY

Weaver, 1985

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
1842	CO	CUT	0.40		0.32-0.51	28
1872	CO	CUT	0.43		0.35-0.53	28
2097	CO	CUT	2.05		1.77-2.35	25
2157	CO	CUT	1.98		1.80-2.12	29
2262	CO	CUT	0.56		0.44-0.66	17
2321	CO	CUT	0.55		0.45-0.66	27
2427	CO	CUT	0.55		0.47-0.68	28
2647	CO	CUT	0.54		0.46-0.63	20

WELL NAME Tarook-1A Reference value 87 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
2685	AM		0.68	0.06	0.59-0.83	34
2685	AM		0.72	0.04	0.61-0.78	36

WELL NAME Tilana-1

Reference value

102 m

BASIN

Bass

BIBLIOGRAPHY

Watson, 1986a

DEPTH (metres)	ANALYST	SAMPLE TYPE	BITUMINE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1438	AM	CUT	0.57	0.04	0.51-0.62	9
1538	AM	CUT	0.60	0.06	0.50-0.71	16
1574	AM	C	3.11	0.26	2.66-3.56	8
1635	AM	CUT	3.45	0.27	2.92-3.90	32
1734	AM	CUT	3.84	0.45	3.26-4.52	19
1842	AM	CUT	4.93	0.52	4.14-5.72	18
2183	AM	CUT	3.55	0.27	2.96-4.04	19
2293	AM	CUT	0.73	0.08	0.61-1.01	31
2391	AM	CUT	0.65	0.08	0.54-0.84	31
2687	AM	C	0.62	0.03	0.56-0.71	36
2697	AM	CUT	0.62	0.05	0.48-0.73	29
2805	AM	SWC	0.60	0.05	0.52-0.69	16
2895	AM	CUT	0.83	0.08	0.70-1.11	28
2978	AM	SWC	0.75	0.07	0.63-0.86	29
3045	AM	CUT	0.83	0.09	0.66-0.96	8
3135	AM	CUT	0.92	0.06	0.80-1.02	31
3181	AM	SWC	0.93	0.08	0.73-1.04	22
3189	AM	CUT	0.94	0.07	0.80-1.09	32
3333	AM	CUT	0.87	0.06	0.74-0.94	7
3445	AM	SWC	0.98	0.07	0.76-1.10	29
3482	AM	SWC	1.08	0.06	0.98-1.18	13
3495	AM	CUT	1.16	0.08	0.97-1.31	31
3768	AM	SWC	1.59	0.19	1.30-1.92	24

WELL NAME Toolka-1A **Reference value** 88 m

BASIN Bass

BIBLIOGRAPHY Amoco, 1984

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
2381	AM	CUT	0.68	0.05	0.60-0.77	16

WELL NAME Whelk-1

Reference value 134 m

BASIN Otway

BIBLIOGRAPHY Van Diemen's Land Resources, 1982

DEPTH (metres)	ANALYST	SAMPLE TYPE	BITUMINITE REFLECTANCE			NO. OF DETS.
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	
957	CO	CUT	0.39		0.31-0.49	16
997	CO	CUT	0.41		0.25-0.50	20
1116	CO	CUT	0.45		0.36-0.58	26
1158	CO	C	0.58		0.53-0.65	8
1175	CO	CUT	0.48		0.32-0.60	14
1180	CO	CUT	0.44		0.34-0.54	18
1234	CO	C	0.47		0.39-0.55	21

WELL NAME Yolla-1 **Reference value** 91 m

BASIN Bass

BIBLIOGRAPHY Watson, 1985b

DEPTH (metres)	ANALYST	SAMPLE TYPE	VITRINITE REFLECTANCE			
			MEAN MAX. REFL.(%)	ST. DEV.	RANGE	NO. OF DETS.
1669	AM	CUT	0.50	0.04	0.42-0.59	33
1867	AM	CUT	0.52	0.03	0.47-0.58	37
2074	AM	CUT	0.60	0.06	0.47-0.71	34
2281	AM	CUT	0.63	0.06	0.51-0.72	39
2482	AM	CUT	0.92	0.04	0.79-0.99	37
2640	AM	SWC	0.97	0.06	0.82-1.06	31
2683	AM	CUT	0.86	0.11	0.59-1.02	23
2794	AM	SWC	0.81	0.08	0.69-0.97	11
2854	AM	SWC	0.70	0.04	0.65-0.76	5
2937	AM	SWC	0.56	0.04	0.46-0.63	34

