

Table 1. Total Organic Carbon and Rock-Eval Data for Samples that Yielded More than 1 mg/g ($S_1 + S_2$)*

Operator	Well	Depth (m)	Sample	TOC (%)	T_{max} (°C)	S_1	S_2	S_3	$S_1 + S_2$	PI	HI	OI
Silurian												
Knight Industry Pty. Ltd.	Coburn 1	606.2	core	1.23	426	0.86	4.23	0.67	5.09	0.17	344	54
Knight Industry Pty. Ltd.	Coburn 1	623.9	core	2.06	424	0.86	5.43	0.08	6.29	0.14	264	4
Knight Industry Pty. Ltd.	Coburn 1	633.5	core	0.51	427	0.29	1.36	1.59	1.65	0.18	267	312
Knight Industry Pty. Ltd.	Coburn 1	839.4	core	0.53	429	0.19	1.05	1.19	1.24	0.15	198	225
Knight Industry Pty. Ltd.	Coburn 1	853.2	core	0.59	433	0.26	1.30	1.03	1.56	0.17	220	175
Geological Survey of Western Australia	GSWA Woodleigh 2A	591.5	core	1.49	436	0.12	3.82	0.68	3.94	0.03	256	46
Geological Survey of Western Australia	GSWA Woodleigh 2A	592.4	core	2.24	431	0.23	8.22	0.83	8.45	0.03	367	37
Geological Survey of Western Australia	GSWA Mooka 1	339.0	core	0.61	414	0.09	1.25	0.38	1.34	0.07	205	62
Canada Northwest Australia Oil Pty. Ltd.	Quobba 1	1734.5	core	0.44	437	0.43	1.00	0.29	1.43	0.30	227	66
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	934.2	core	0.55	422	0.10	1.10	0.19	1.20	0.08	200	35
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	945.3	core	0.48	438	0.08	1.05	0.18	1.13	0.07	219	38
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	957.5	core	0.49	431	0.19	1.40	0.10	1.59	0.12	286	20
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	967.7	core	0.67	436	0.31	2.84	0.36	3.15	0.10	424	54
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	973.6	core	1.27	432	0.71	4.98	0.78	5.69	0.12	392	61
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	976.2	core	7.43	428	4.97	33.11	0.40	38.08	0.13	446	5
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	980.9	core	0.66	428	0.18	1.64	1.02	1.82	0.10	248	155
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1018.9	core	0.47	430	0.22	1.34	0.80	1.56	0.14	285	170
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1066.1	core	0.69	429	0.31	1.92	0.14	2.23	0.14	278	20
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1078.7	core	0.40	428	0.22	1.10	1.37	1.32	0.17	275	343
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1115.9	core	0.46	433	0.16	1.01	2.24	1.17	0.14	220	487
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1136.3	core	0.47	432	0.16	1.11	0.89	1.27	0.13	236	189
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1139.5	core	0.42	428	0.51	1.33	0.99	1.84	0.28	317	236
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1154.6	core	0.43	432	0.29	1.32	1.19	1.61	0.18	307	277
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1154.6	core	0.43	433	0.17	1.29	1.36	1.46	0.12	300	316
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1161.0	core	2.02	424	1.35	5.79	1.42	7.14	0.19	287	70
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1175.0	core	0.42	432	0.21	1.04	0.93	1.25	0.17	248	221
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1179.2	core	0.45	429	0.23	1.04	2.35	1.27	0.18	231	522
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1185.6	core	0.62	430	0.30	1.93	1.73	2.23	0.13	311	279
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1201.6	core	1.10	433	0.62	5.55	1.25	6.17	0.10	505	114
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1238.1	core	0.42	420	0.21	1.02	2.05	1.23	0.17	243	488
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1242.5	core	0.83	427	0.91	3.13	0.83	4.04	0.23	377	100

Devonian

Aquitaine Minerals	Aquitaine DDH 1	71.0	core	2.42	421	0.06	1.47	1.00	1.53	0.04	61	41
West Australian Petroleum Private Ltd.	Cape Cuvier 1	335.3	core	1.90	428	0.34	1.70	1.01	2.04	0.17	89	53
Geological Survey of Western Australia	GSWA Barrabiddy 1A	190.4	core	1.77	423	0.22	1.87	0.35	2.09	0.11	106	20
Geological Survey of Western Australia	GSWA Barrabiddy 1A	218.5	core	0.96	431	0.08	1.10	0.04	1.18	0.07	115	4
Geological Survey of Western Australia	GSWA Barrabiddy 1A	655.4	core	9.88	444	3.27	19.53	0.18	22.80	0.14	198	2
Geological Survey of Western Australia	GSWA Barrabiddy 1A	663.8	core	2.27	443	0.59	2.35	0.22	2.94	0.20	104	10
Geological Survey of Western Australia	GSWA Barrabiddy 1A	678.2	core	5.22	444	1.66	10.78	0.33	12.44	0.13	207	6
Geological Survey of Western Australia	GSWA Barrabiddy 1A	679.2	core	13.56	443	3.93	36.16	0.70	40.09	0.10	267	5
Geological Survey of Western Australia	GSWA Barrabiddy 1A	682.6	core	1.20	444	0.31	1.57	0.36	1.88	0.16	131	30
Geological Survey of Western Australia	GSWA Barrabiddy 1A	705.5	core	7.53	446	2.58	14.58	0.65	17.16	0.15	194	9
Geological Survey of Western Australia	GSWA Barrabiddy 1A	713.4	core	5.78	448	1.84	9.01	0.41	10.85	0.17	156	7
Geological Survey of Western Australia	GSWA Barrabiddy 1A	726.5	core	1.12	444	0.17	1.31	0.41	1.48	0.11	117	37
Geological Survey of Western Australia	GSWA Gneudna 1	117.2	core	1.55	434	0.05	1.63	0.30	1.68	0.03	105	19
Geological Survey of Western Australia	GSWA Gneudna 1	264.0	core	0.81	431	0.07	1.28	0.14	1.35	0.05	158	17
Geological Survey of Western Australia	GSWA Gneudna 1	289.0	core	0.67	427	0.05	1.19	0.12	1.24	0.04	178	18
Geological Survey of Western Australia	GSWA Gneudna 1	300.4	core	2.46	433	0.24	8.53	0.51	8.77	0.03	347	21
Geological Survey of Western Australia	GSWA Gneudna 1	315.6	core	0.76	434	0.03	1.51	0.14	1.54	0.02	199	18
West Australian Petroleum Private Ltd.	Peedamullah 1	213.0	cuttings	1.33	424	0.60	1.65	4.41	2.25	0.27	124	332
Genoa Oil NL	Pendock 1	1722.5	core	0.97	440	0.49	2.49	0.11	2.98	0.16	257	11
Genoa Oil NL	Pendock 1	1722.8	core	1.93	429	0.41	4.09	0.25	4.50	0.09	212	13
Canada Northwest Australia Oil Pty. Ltd.	Quobba 1	1118.0	core	0.83	440	0.57	1.61	2.00	2.18	0.26	194	241
Canada Northwest Australia Oil Pty. Ltd.	Quobba 1	1130.0	cuttings	1.02	446	0.42	3.20	0.39	3.62	0.12	314	38
Canada Northwest Australia Oil Pty. Ltd.	Quobba 1	1398.5	core	0.45	411	0.43	1.18	1.22	1.61	0.27	262	271
Canada Northwest Australia Oil Pty. Ltd.	Quobba 1	1534.5	core	0.96	435	0.44	1.20	1.36	1.64	0.27	857	971
Avon Engineering Pty. Ltd.	Sharon 1	219.0	cuttings	0.65	416	0.23	1.07	8.51	1.30	0.18	165	1309
Avon Engineering Pty. Ltd.	Sharon 1	222.0	cuttings	2.61	430	0.10	2.26	5.59	2.36	0.04	87	214
Uranerz Minerals	Uranerz CDH-8	112.2	cuttings	1.25	430	0.12	1.97	0.71	2.09	0.06	158	57
Uranerz Minerals	Uranerz CDH-8	121.0	cuttings	3.16	429	0.20	5.83	1.12	6.03	0.03	184	35
Lower Permian												
Geological Survey of Western Australia	GSWA Ballythanna 1	121.7	core	2.04	425	0.10	1.21	0.38	1.31	0.08	59	19
Geological Survey of Western Australia	GSWA Ballythanna 1	197.6	core	2.57	428	0.06	1.21	0.81	1.27	0.05	47	32
Geological Survey of Western Australia	GSWA Ballythanna 1	258.1	core	2.67	428	0.04	1.77	0.22	1.81	0.02	66	8
Geological Survey of Western Australia	GSWA Ballythanna 1	295.0	core	1.92	429	0.05	1.17	0.18	1.22	0.04	61	9
BHP Minerals	BHP Wandagee-1	154.3	core	4.13	432	0.06	2.38	0.67	2.44	0.02	58	16
BHP Minerals	BHP Wandagee-1	174.0	core	7.31	430	0.36	5.72	2.04	6.08	0.06	78	28
BHP Minerals	BHP Wandagee-1	183.5	core	4.93	433	0.22	4.33	0.99	4.55	0.05	88	20

BHP Minerals	BHP Wandagee-1	213.8	core	4.47	435	0.10	3.09	1.25	3.19	0.03	69	28
BHP Minerals	BHP Wandagee-1	220.0	core	8.95	431	0.25	5.39	1.36	5.64	0.04	60	15
BHP Minerals	BHP Wandagee-1	239.0	core	6.46	434	0.20	3.46	0.97	3.66	0.05	54	15
BHP Minerals	BHP Wandagee-1	290.0	core	6.06	438	0.15	4.34	0.62	4.49	0.03	72	10
BHP Minerals	BHP Wandagee-1	334.0	core	6.69	433	0.28	5.78	1.49	6.06	0.05	86	22
BHP Minerals	BHP Wandagee-1	340.0	core	7.66	432	0.20	6.34	1.89	6.54	0.03	83	25
BHP Minerals	BHP Wandagee-6	121.7	core	5.14	430	0.10	1.14	0.72	1.24	0.08	22	14
BHP Minerals	BHP Wandagee-7	153.0	core	4.52	432	0.16	1.40	0.60	1.56	0.10	31	13
Eso Exploration and Production Australia Inc.	Burna 1	430.5	core	8.34	440	0.34	10.76	0.42	11.10	0.03	129	5
Eso Exploration and Production Australia Inc.	Burna 1	453.9	core	8.35	441	0.59	10.77	0.48	11.36	0.05	129	6
Eso Exploration and Production Australia Inc.	Burna 1	487.3	core	2.40	441	0.14	1.10	0.19	1.24	0.11	46	8
Eso Exploration and Production Australia Inc.	Burna 1	498.8	core	3.87	447	0.32	1.91	0.28	2.23	0.14	49	7
Eso Exploration and Production Australia Inc.	Burna 1	513.0	core	7.40	442	0.92	11.19	0.65	12.11	0.08	151	9
Eso Exploration and Production Australia Inc.	Burna 1	519.7	core	4.11	446	0.28	2.32	0.29	2.60	0.11	56	7
Eso Exploration and Production Australia Inc.	Burna 1	534.6	core	5.08	440	0.30	2.08	0.28	2.38	0.13	41	6
Eso Exploration and Production Australia Inc.	Burna 1	544.6	core	4.98	425	0.37	4.69	1.19	5.06	0.07	94	24
Eso Exploration and Production Australia Inc.	Burna 1	548.4	core	5.98	442	0.23	1.29	0.47	1.52	0.15	22	8
Eso Exploration and Production Australia Inc.	Burna 1	555.1	core	4.68	436	0.25	1.43	0.16	1.68	0.15	31	3
Australian Occidental Petroleum Inc.	Candace 1	1990.0	cuttings	2.66	413	0.46	1.77	6.72	2.23	0.21	67	253
Conzinc Riotinto Australia Exploration	CRAE GBH 4	205.1	core	6.54	434	0.15	2.35	1.25	2.50	0.06	36	19
Conzinc Riotinto Australia Exploration	CRAE GBH 4	225.7	core	5.16	434	0.08	1.13	0.63	1.21	0.07	22	12
Conzinc Riotinto Australia Exploration	CRAE GBH 4	348.7	core	4.89	438	0.11	1.26	0.46	1.37	0.08	26	9
Conzinc Riotinto Australia Exploration	CRAE GBH 4	402.7	core	4.95	433	0.13	1.61	0.63	1.74	0.07	33	13
Conzinc Riotinto Australia Exploration	CRAE GBH 4	442.7	core	6.04	432	0.40	4.95	0.89	5.35	0.07	82	15
Conzinc Riotinto Australia Exploration	CRAE GBH 4	476.9	core	4.10	438	0.13	1.03	0.51	1.16	0.11	25	12
Conzinc Riotinto Australia Exploration	CRAE GBH 4	496.0	core	5.96	436	0.40	5.56	0.59	5.96	0.07	93	10
Bureau of Mineral Resources	BMR Glenburgh 9	120.7	core	3.10	434	0.08	1.51	1.64	1.59	0.05	49	53
Bureau of Mineral Resources	BMR Glenburgh 9	152.1	core	9.72	426	0.44	7.61	6.18	8.05	0.05	78	64
West Australian Petroleum Private Ltd.	Kennedy Range 1	688.9	cuttings	4.38	333	7.84	9.85	6.85	17.69	0.44	225	156
West Australian Petroleum Private Ltd.	Kennedy Range 1	704.1	cuttings	2.56	427	0.44	2.65	1.61	3.09	0.14	104	63
West Australian Petroleum Private Ltd.	Kennedy Range 1	716.3	cuttings	3.33	434	0.30	2.73	1.58	3.03	0.10	82	47
West Australian Petroleum Private Ltd.	Kennedy Range 1	716.3	-	2.96	433	0.19	1.46	0.61	1.65	0.12	49	21
West Australian Petroleum Private Ltd.	Kennedy Range 1	728.5	cuttings	3.18	436	0.17	1.80	0.96	1.97	0.09	57	30
West Australian Petroleum Private Ltd.	Kennedy Range 1	762.0	cuttings	3.48	435	0.26	2.94	1.69	3.20	0.08	84	49
West Australian Petroleum Private Ltd.	Kennedy Range 1	768.1	cuttings	2.75	433	0.22	2.00	1.53	2.22	0.10	73	56
West Australian Petroleum Private Ltd.	Kennedy Range 1	780.3	cuttings	2.97	434	0.20	1.82	1.44	2.02	0.10	61	48
West Australian Petroleum Private Ltd.	Kennedy Range 1	780.3	-	3.55	334	1.86	3.80	1.36	5.66	0.33	107	38
West Australian Petroleum Private Ltd.	Kennedy Range 1	792.5	cuttings	3.24	324	3.30	4.12	4.02	7.42	0.44	127	124

West Australian Petroleum Private Ltd.	Kennedy Range 1	798.6	cuttings	2.58	328	1.64	2.97	3.68	4.61	0.36	115	143
West Australian Petroleum Private Ltd.	Kennedy Range 1	861.1	cuttings	2.62	329	1.83	3.81	2.82	5.64	0.32	145	108
West Australian Petroleum Private Ltd.	Kennedy Range 1	865.6	cuttings	0.90	435	0.15	1.15	2.93	1.30	0.12	128	326
West Australian Petroleum Private Ltd.	Kennedy Range 1	941.8	cuttings	10.50	318	22.47	14.75	28.11	37.22	0.60	140	268
West Australian Petroleum Private Ltd.	Kennedy Range 1	957.1	cuttings	22.00	328	54.86	48.91	39.81	103.77	0.53	222	181
West Australian Petroleum Private Ltd.	Kennedy Range 1	1033.3	cuttings	1.42	429	0.39	1.14	2.41	1.53	0.25	80	170
West Australian Petroleum Private Ltd.	Kennedy Range 1	1075.9	cuttings	2.97	320	5.27	4.75	5.11	10.02	0.53	160	172
West Australian Petroleum Private Ltd.	Kennedy Range 1	1088.1	cuttings	3.02	322	3.60	3.78	4.18	7.38	0.49	125	138
West Australian Petroleum Private Ltd.	Kennedy Range 1	1102.5	cuttings	2.20	438	0.17	1.21	0.81	1.38	0.12	55	37
West Australian Petroleum Private Ltd.	Kennedy Range 1	1109.5	cuttings	3.47	439	0.28	1.95	0.81	2.23	0.13	56	23
West Australian Petroleum Private Ltd.	Kennedy Range 1	1136.9	cuttings	3.69	334	5.46	8.28	5.98	13.74	0.40	224	162
West Australian Petroleum Private Ltd.	Kennedy Range 1	1149.1	cuttings	1.67	429	0.52	1.63	2.15	2.15	0.24	98	129
West Australian Petroleum Private Ltd.	Kennedy Range 1	1185.7	cuttings	2.50	433	0.23	1.34	1.56	1.57	0.15	54	62
West Australian Petroleum Private Ltd.	Kennedy Range 1	1197.9	-	2.20	435	0.62	1.58	1.48	2.20	0.28	72	67
West Australian Petroleum Private Ltd.	Kennedy Range 1	1200.9	cuttings	2.57	436	0.22	1.25	1.31	1.47	0.15	49	51
West Australian Petroleum Private Ltd.	Kennedy Range 1	1213.1	cuttings	3.14	324	1.69	3.23	3.56	4.92	0.34	103	113
West Australian Petroleum Private Ltd.	Kennedy Range 1	1219.2	cuttings	4.04	320	4.21	4.48	6.00	8.69	0.48	111	149
West Australian Petroleum Private Ltd.	Kennedy Range 1	1231.4	cuttings	9.81	324	20.66	18.28	15.03	38.94	0.53	186	153
West Australian Petroleum Private Ltd.	Kennedy Range 1	1243.6	cuttings	2.96	437	0.25	1.53	1.59	1.78	0.14	52	54
West Australian Petroleum Private Ltd.	Kennedy Range 1	1255.8	cuttings	3.22	439	0.25	1.62	1.43	1.87	0.13	50	44
West Australian Petroleum Private Ltd.	Kennedy Range 1	1269.5	cuttings	2.81	443	0.23	1.23	0.80	1.46	0.16	44	28
West Australian Petroleum Private Ltd.	Kennedy Range 1	1269.5	-	3.27	445	0.35	1.30	0.42	1.65	0.21	40	13
West Australian Petroleum Private Ltd.	Kennedy Range 1	1270.7	cuttings	3.38	443	0.31	1.62	0.71	1.93	0.16	48	21
West Australian Petroleum Private Ltd.	Kennedy Range 1	1277.1	cuttings	2.97	437	0.38	1.76	1.72	2.14	0.18	59	58
West Australian Petroleum Private Ltd.	Kennedy Range 1	1289.3	cuttings	2.50	435	0.32	1.66	1.59	1.98	0.16	66	64
West Australian Petroleum Private Ltd.	Kennedy Range 1	1301.5	cuttings	2.61	439	0.22	1.25	1.30	1.47	0.15	48	50
West Australian Petroleum Private Ltd.	Kennedy Range 1	1307.6	cuttings	2.96	438	0.35	1.50	1.89	1.85	0.19	51	64
West Australian Petroleum Private Ltd.	Kennedy Range 1	1344.2	cuttings	2.85	445	0.22	1.18	1.20	1.40	0.16	41	42
West Australian Petroleum Private Ltd.	Kennedy Range 1	1356.4	cuttings	2.95	447	0.20	1.10	1.16	1.30	0.15	37	39
West Australian Petroleum Private Ltd.	Kennedy Range 1	1383.8	cuttings	2.98	445	0.15	6.20	1.11	6.35	0.02	208	37
West Australian Petroleum Private Ltd.	Kennedy Range 1	1420.4	cuttings	3.95	442	0.46	1.50	1.53	1.96	0.23	38	39
West Australian Petroleum Private Ltd.	Kennedy Range 1	1434.7	cuttings	3.60	452	0.44	1.20	0.45	1.64	0.27	33	13
West Australian Petroleum Private Ltd.	Kennedy Range 1	1438.7	cuttings	2.91	440	0.22	1.04	0.99	1.26	0.17	36	34
West Australian Petroleum Private Ltd.	Kennedy Range 1	1466.1	cuttings	2.42	452	0.32	1.24	0.81	1.56	0.21	51	33
West Australian Petroleum Private Ltd.	Kennedy Range 1	1472.2	cuttings	3.28	441	0.44	1.80	1.49	2.24	0.20	55	45
West Australian Petroleum Private Ltd.	Kennedy Range 1	1493.5	cuttings	2.48	442	0.37	1.29	1.53	1.66	0.22	52	62
West Australian Petroleum Private Ltd.	Kennedy Range 1	1539.2	-	3.20	386	1.54	2.53	1.25	4.07	0.38	79	39
West Australian Petroleum Private Ltd.	Kennedy Range 1	1615.4	-	3.79	461	0.53	1.54	0.39	2.07	0.26	41	10

West Australian Petroleum Private Ltd.	Kennedy Range 1	1652.0	-	2.78	456	0.35	1.19	0.22	1.54	0.23	43	8
West Australian Petroleum Private Ltd.	Kennedy Range 1	1676.4	cuttings	2.94	325	2.03	2.17	3.67	4.20	0.48	74	125
West Australian Petroleum Private Ltd.	Kennedy Range 1	1856.2	cuttings	4.09	518	0.31	1.06	2.09	1.37	0.23	26	51
West Australian Petroleum Private Ltd.	Kennedy Range 1	2130.6	cuttings	3.56	388	1.37	1.76	3.68	3.13	0.44	49	103
Bond Corporation Pty. Ltd.	Kybra 1	1950.0	cuttings	0.53	404	0.38	1.05	3.92	1.43	0.27	198	740
Bureau of Mineral Resources	BMA Kennedy Range 6	152.4	cuttings	3.02	433	0.16	1.56	0.76	1.72	0.09	52	25
Bureau of Mineral Resources	BMA Kennedy Range 6	213.7	cuttings	2.08	430	0.21	1.00	0.33	1.21	0.17	48	16
Bureau of Mineral Resources	BMA Kennedy Range 7	252.5	cuttings	1.69	433	0.08	1.02	0.43	1.10	0.07	60	25
Bureau of Mineral Resources	BMA Kennedy Range 7	331.7	cuttings	2.77	435	0.15	1.24	0.42	1.39	0.11	45	15
Bureau of Mineral Resources	BMA Kennedy Range 7	489.7	cuttings	3.53	432	0.23	2.65	0.29	2.88	0.08	75	8
Bureau of Mineral Resources	BMA Kennedy Range 7	548.3	cuttings	3.86	436	0.20	1.94	0.42	2.14	0.09	50	11
Bureau of Mineral Resources	BMA Kennedy Range 7	608.2	cuttings	2.58	435	0.16	1.00	0.24	1.16	0.14	39	9
West Australian Petroleum Private Ltd.	Quail 1	33.5	cuttings	4.38	436	0.20	1.06	1.76	1.26	0.16	24	40
West Australian Petroleum Private Ltd.	Quail 1	57.9	cuttings	4.44	433	0.18	1.07	1.70	1.25	0.14	24	38
West Australian Petroleum Private Ltd.	Quail 1	82.3	cuttings	3.21	433	0.15	1.53	0.74	1.68	0.09	48	23
West Australian Petroleum Private Ltd.	Quail 1	88.4	cuttings	2.54	433	0.24	1.59	1.34	1.83	0.13	63	53
West Australian Petroleum Private Ltd.	Quail 1	94.5	cuttings	2.19	435	0.16	1.06	1.19	1.22	0.13	48	54
West Australian Petroleum Private Ltd.	Quail 1	143.3	cuttings	8.60	442	0.31	1.36	5.32	1.67	0.19	16	62
West Australian Petroleum Private Ltd.	Quail 1	149.4	cuttings	2.08	432	0.34	1.45	1.97	1.79	0.19	70	95
West Australian Petroleum Private Ltd.	Quail 1	158.5	cuttings	4.10	433	0.19	1.45	2.97	1.64	0.12	35	72
West Australian Petroleum Private Ltd.	Quail 1	158.8	-	4.00	434	0.38	4.45	1.40	4.83	0.08	111	35
West Australian Petroleum Private Ltd.	Quail 1	167.6	cuttings	11.60	435	0.52	9.34	3.06	9.86	0.05	81	26
West Australian Petroleum Private Ltd.	Quail 1	170.7	cuttings	5.89	437	0.12	1.24	4.57	1.36	0.09	21	78
West Australian Petroleum Private Ltd.	Quail 1	182.9	cuttings	15.80	436	2.57	11.14	11.71	13.71	0.19	71	74
West Australian Petroleum Private Ltd.	Quail 1	189.0	cuttings	1.95	426	1.61	2.08	2.46	3.69	0.44	107	126
West Australian Petroleum Private Ltd.	Quail 1	192.0	cuttings	2.44	433	0.15	1.37	2.18	1.52	0.10	56	89
West Australian Petroleum Private Ltd.	Quail 1	231.7	cuttings	4.06	436	0.29	2.75	1.24	3.04	0.10	68	31
West Australian Petroleum Private Ltd.	Quail 1	246.9	cuttings	3.90	434	0.16	1.53	2.14	1.69	0.09	39	55
West Australian Petroleum Private Ltd.	Quail 1	262.1	cuttings	3.60	437	0.24	2.25	1.69	2.49	0.10	63	47
West Australian Petroleum Private Ltd.	Quail 1	338.3	cuttings	9.32	436	0.43	9.71	3.01	10.14	0.04	104	32
West Australian Petroleum Private Ltd.	Quail 1	405.4	cuttings	2.65	437	0.20	1.32	1.98	1.52	0.13	50	75
West Australian Petroleum Private Ltd.	Quail 1	417.6	cuttings	4.67	441	0.22	2.57	1.96	2.79	0.08	55	42
West Australian Petroleum Private Ltd.	Quail 1	804.7	cuttings	1.70	442	0.07	1.26	0.91	1.33	0.05	74	54
West Australian Petroleum Private Ltd.	Quail 1	987.6	cuttings	1.44	436	0.35	1.83	0.77	2.18	0.16	127	53
West Australian Petroleum Private Ltd.	Quail 1	1603.3	cuttings	1.22	413	2.01	2.61	2.35	4.62	0.44	214	193
West Australian Petroleum Private Ltd.	Quail 1	1984.3	cuttings	0.50	413	0.22	1.05	0.83	1.27	0.17	210	166
West Australian Petroleum Private Ltd.	Rough Range 1	2011.7	cuttings	2.24	432	0.53	1.52	0.56	2.05	0.26	68	25

Upper Permian

Australian Occidental Petroleum Inc.	Candace 1	1460.0	cuttings	1.54	424	0.50	2.47	1.82	2.97	0.17	160	118
Australian Occidental Petroleum Inc.	Candace 1	1465.0	cuttings	0.54	425	0.25	1.42	1.68	1.67	0.15	263	311
Australian Occidental Petroleum Inc.	Candace 1	1475.0	cuttings	0.65	420	0.30	1.37	2.08	1.67	0.18	211	320
Australian Occidental Petroleum Inc.	Candace 1	1480.0	cuttings	1.08	428	0.16	1.09	2.06	1.25	0.13	101	191
Australian Occidental Petroleum Inc.	Candace 1	1490.0	cuttings	1.06	426	0.42	1.82	1.95	2.24	0.19	172	184
Australian Occidental Petroleum Inc.	Candace 1	1495.0	cuttings	1.35	427	0.13	1.03	2.09	1.16	0.11	76	155
Australian Occidental Petroleum Inc.	Candace 1	1500.0	cuttings	1.08	428	0.31	1.91	2.16	2.22	0.14	177	200
Australian Occidental Petroleum Inc.	Candace 1	1505.0	cuttings	1.06	415	0.87	3.45	2.03	4.32	0.20	325	192
Australian Occidental Petroleum Inc.	Candace 1	1520.0	cuttings	1.72	424	0.25	1.27	1.99	1.52	0.16	74	116
Australian Occidental Petroleum Inc.	Candace 1	1525.0	cuttings	2.14	426	0.51	1.80	1.96	2.31	0.22	84	92
Australian Occidental Petroleum Inc.	Candace 1	1555.0	cuttings	0.82	431	0.17	1.19	1.73	1.36	0.13	145	211
Australian Occidental Petroleum Inc.	Candace 1	1560.0	cuttings	0.69	426	0.42	1.23	1.67	1.65	0.25	178	242
Australian Occidental Petroleum Inc.	Candace 1	1565.0	cuttings	0.66	431	0.14	1.00	1.83	1.14	0.12	152	277
Australian Occidental Petroleum Inc.	Candace 1	1575.0	cuttings	1.80	433	0.23	1.58	2.18	1.81	0.13	88	121
Australian Occidental Petroleum Inc.	Candace 1	1580.0	cuttings	0.92	431	0.19	1.48	1.05	1.67	0.11	161	114
Australian Occidental Petroleum Inc.	Candace 1	1585.0	cuttings	0.62	431	0.21	1.11	1.10	1.32	0.16	179	177
Australian Occidental Petroleum Inc.	Candace 1	1590.0	cuttings	8.65	422	0.47	23.24	1.48	23.71	0.02	269	17
Australian Occidental Petroleum Inc.	Candace 1	1595.0	cuttings	1.14	431	0.15	1.96	1.16	2.11	0.07	172	102
Australian Occidental Petroleum Inc.	Candace 1	1600.0	cuttings	8.20	425	0.50	20.94	1.39	21.44	0.02	255	17
Australian Occidental Petroleum Inc.	Candace 1	1605.0	cuttings	0.88	429	0.50	1.68	0.70	2.18	0.23	191	80
Australian Occidental Petroleum Inc.	Candace 1	1610.0	cuttings	3.00	429	0.36	5.49	1.64	5.85	0.06	183	55
Australian Occidental Petroleum Inc.	Candace 1	1615.0	cuttings	1.48	432	0.16	1.44	1.06	1.60	0.10	97	72
Australian Occidental Petroleum Inc.	Candace 1	1680.0	cuttings	0.93	418	0.57	1.84	1.29	2.41	0.24	198	139
Australian Occidental Petroleum Inc.	Candace 1	1715.0	cuttings	0.76	424	0.46	1.15	1.00	1.61	0.29	151	132
Australian Occidental Petroleum Inc.	Candace 1	1730.0	cuttings	5.45	428	0.84	16.46	1.87	17.30	0.05	302	34
Australian Occidental Petroleum Inc.	Candace 1	1737.0	SWC	2.80	428	0.10	3.24	0.69	3.34	0.03	116	25
Australian Occidental Petroleum Inc.	Candace 1	1760.0	cuttings	1.13	409	0.28	1.16	2.24	1.44	0.19	103	198
Australian Occidental Petroleum Inc.	Candace 1	1765.0	cuttings	2.60	406	0.29	1.10	3.28	1.39	0.21	42	126
Australian Occidental Petroleum Inc.	Candace 1	1770.0	cuttings	2.60	417	0.30	1.44	2.47	1.74	0.17	55	95
Australian Occidental Petroleum Inc.	Candace 1	1775.0	cuttings	2.36	410	0.56	2.42	3.09	2.98	0.19	103	131
Australian Occidental Petroleum Inc.	Candace 1	1785.0	cuttings	2.16	396	0.41	1.58	4.28	1.99	0.21	73	198
Australian Occidental Petroleum Inc.	Candace 1	1795.0	cuttings	2.10	380	0.73	1.53	5.52	2.26	0.32	73	263
Australian Occidental Petroleum Inc.	Candace 1	1830.0	cuttings	2.80	433	0.23	2.16	2.00	2.39	0.10	77	71
Australian Occidental Petroleum Inc.	Candace 1	1835.0	cuttings	2.28	427	1.00	2.98	2.91	3.98	0.25	131	128
Australian Occidental Petroleum Inc.	Candace 1	1844.0	SWC	4.86	439	0.06	1.85	0.91	1.91	0.03	38	19
Australian Occidental Petroleum Inc.	Candace 1	1845.0	cuttings	1.58	427	0.19	1.46	2.20	1.65	0.12	92	139
Australian Occidental Petroleum Inc.	Candace 1	1910.0	cuttings	1.52	420	0.20	1.03	1.58	1.23	0.16	68	104

Australian Occidental Petroleum Inc.	Candace 1	1915.0	cuttings	1.65	424	0.16	1.06	1.76	1.22	0.13	64	107
Australian Occidental Petroleum Inc.	Candace 1	1920.0	cuttings	3.40	433	0.22	2.28	1.74	2.50	0.09	67	51
Australian Occidental Petroleum Inc.	Candace 1	1925.0	cuttings	1.84	417	0.25	1.32	2.26	1.57	0.16	72	123
Australian Occidental Petroleum Inc.	Candace 1	1930.0	cuttings	1.69	416	0.66	2.15	1.72	2.81	0.23	127	102
Australian Occidental Petroleum Inc.	Candace 1	1933.0	SWC	6.05	437	0.11	2.18	1.15	2.29	0.05	36	19
Australian Occidental Petroleum Inc.	Candace 1	1940.0	cuttings	1.91	410	0.18	1.07	4.95	1.25	0.14	56	259
Australian Occidental Petroleum Inc.	Candace 1	1945.0	cuttings	2.20	393	0.48	1.10	3.68	1.58	0.30	50	167
Australian Occidental Petroleum Inc.	Candace 1	1965.0	cuttings	1.84	413	1.89	4.79	2.57	6.68	0.28	260	140
Bond Corporation Pty. Ltd.	Kybra 1	1555.0	SWC	5.95	435	0.54	4.53	1.63	5.07	0.11	76	27
Bond Corporation Pty. Ltd.	Kybra 1	1675.0	cuttings	1.42	427	0.15	1.09	6.29	1.24	0.12	77	443
Bond Corporation Pty. Ltd.	Kybra 1	1680.0	SWC	2.30	434	0.18	1.76	1.92	1.94	0.09	77	83
Bond Corporation Pty. Ltd.	Kybra 1	1700.0	cuttings	1.87	432	0.19	1.58	4.40	1.77	0.11	84	235
Bond Corporation Pty. Ltd.	Kybra 1	1719.0	SWC	3.70	435	0.42	4.65	2.95	5.07	0.08	126	80
Bond Corporation Pty. Ltd.	Kybra 1	1725.0	cuttings	3.07	431	0.23	2.97	4.76	3.20	0.07	97	155
Bond Corporation Pty. Ltd.	Kybra 1	1727.0	SWC	3.85	435	0.35	5.56	1.97	5.91	0.06	144	51
West Australian Petroleum Private Ltd.	Onslow 1	2401.8		1.87	440	0.25	1.14	0.79	1.39	0.18	61	42
West Australian Petroleum Private Ltd.	Onslow 1	2401.8		1.87	440	0.25	1.14	0.79	1.39	0.18	61	42

*TOC = total organic carbon; T_{max} = temperature of maximum pyrolytic yield (S_2); S_1 = existing hydrocarbons; S_2 = pyrolytic yield; S_3 = organic carbon dioxide; $S_1 + S_2 + S_3$ = potential yield; HI = hydrogen index [$(S_2/TOC) \times 100$];
OI = oxygen index [$(S_3/TOC) \times 100$]; SWC = sidewall core.

Table 2. Maturity Data for Samples Analyzed by Organic Petrology*

Operator	Well	Depth (m)	Sample	Mean (% R _o)	Min (% R _o)	Max (% R _o)	Readings	Age	Subbasin
BHP Minerals	BHP ND001	186.7	core	0.34	-	-	1	Silurian	Gascoyne
BHP Minerals	BHP ND002	158.1	core	0.65	0.55	0.72	4	Cretaceous	Gascoyne
BHP Minerals	BHP ND002	176.8	cuttings	0.31	0.25	0.39	13	Cretaceous	Gascoyne
BHP Minerals	BHP ND002	198.1	-	0.73	0.61	0.87	27	Silurian	Gascoyne
BHP Minerals	BHP ND002	290.3	core	0.65	0.63	0.68	3	Silurian	Gascoyne
BHP Minerals	BHP ND002	376.0	core	1.03	-	-	1	Silurian	Gascoyne
BHP Minerals	BHP ND002	772.2	core	0.94	-	-	1	Silurian	Gascoyne
Bureau of Mineral Resources	BMR Glenburgh 8	29.0	core	0.39	-	-	1	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	85.3	core	0.47	-	-	1	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	392.3	core	0.56	0.43	0.72	8	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	480.7	core	0.52	0.47	0.64	-	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	481.4	core	0.49	0.40	0.55	6	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	508.8	core	0.41	0.31	0.74	11	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	672.7	core	2.18(?)	2.16	2.20	3	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	809.2	core	0.58	0.53	0.62	-	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	809.2	core	0.27	0.19	0.40	14	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	885.1	core	0.60	0.52	0.68	-	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	885.1	core	0.32	-	-	1	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 8	912.6	core	0.57	0.48	0.69	-	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	27.7	core	0.45	-	-	1	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	27.7	core	1.66(?)	1.25	2.24	5	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	120.7	core	0.64	0.62	0.68	4	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	120.7	core	1.45(?)	1.12	1.64	4	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	152.1	core	0.75	0.60	0.90	11	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	152.1	core	1.92(?)	1.06	2.44	5	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	152.1	core	0.64	0.62	0.68	4	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	160.0	core	0.75	0.60	0.90	11	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	180.4	core	0.72	-	-	1	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	362.9	core	0.54	0.41	0.73	9	Lower Permian	Byro
Bureau of Mineral Resources	BMR Glenburgh 9	461.1	core	0.52	0.42	0.63	5	Lower Permian	Byro
Bureau of Mineral Resources	BMR Kennedy Range 6	152.4	core	0.68	0.43	0.86	23	Lower Permian	Merlinleigh
Bureau of Mineral Resources	BMR Kennedy Range 6	213.7	core	0.68	0.60	0.81	7	Lower Permian	Merlinleigh
Bureau of Mineral Resources	BMR Kennedy Range 6	274.3	core	0.76	0.69	0.81	6	Lower Permian	Merlinleigh

Bureau of Mineral Resources	BMR Kennedy Range 7	252.5	core	0.59	0.42	0.85	7	Lower Permian	Merlinleigh
Bureau of Mineral Resources	BMR Kennedy Range 7	365.9	core	0.61	0.50	0.86	9	Lower Permian	Merlinleigh
Bureau of Mineral Resources	BMR Kennedy Range 7	489.7	core	0.72	0.57	0.79	12	Lower Permian	Merlinleigh
Water Bore at Brickhouse Station	Brickhouse 1	356.1	core	0.71	0.54	0.79	4	Cretaceous	Gascoyne
Esso Exploration and Production Australia Inc.	Burna 1	195.0	cuttings	0.46	0.38	0.60	4	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	315.0	cuttings	0.61	0.50	0.73	30	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	385.0	cuttings	0.66	0.54	0.79	30	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	441.7	core	0.64	0.53	0.79	16	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	510.7	core	0.69	0.59	0.77	9	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	571.1	core	0.64	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	616.0	core	0.57	0.51	0.63	4	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	713.3	core	0.59	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Burna 1	767.6	core	0.62	0.59	0.64	2	Lower Permian	Merlinleigh
Australian Occidental Petroleum Inc.	Candace 1	318.0	SWC	0.28	0.22	0.34	5	Cretaceous	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	334.0	SWC	0.25	0.21	0.37	9	Cretaceous	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	343.0	SWC	0.37	0.29	0.45	4	Cretaceous	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	393.0	SWC	0.55	0.40	0.69	2	Cretaceous	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	423.0	SWC	0.49	0.44	0.61	30	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	512.0	SWC	0.45	0.34	0.62	20	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	526.5	SWC	0.42	0.34	0.61	25	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	554.0	SWC	0.47	0.36	0.60	10	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	665.0	SWC	0.47	0.33	0.61	12	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	672.5	SWC	0.61	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	681.0	SWC	0.50	0.36	0.60	5	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	685.0	SWC	0.40	0.32	0.50	6	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	696.0	SWC	0.54	0.42	0.73	7	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	700.0	SWC	0.48	0.37	0.60	9	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	705.0	SWC	0.40	0.33	0.48	7	Triassic	Peedamullah

Australian Occidental Petroleum Inc.	Candace 1	712.0	SWC	0.54	0.30	0.74	13	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	767.4	SWC	0.49	0.35	0.63	5	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	841.5	SWC	0.46	0.30	0.70	20	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	881.5	SWC	0.51	0.42	0.66	3	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	896.0	SWC	0.55	0.42	0.76	7	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	910.5	SWC	0.48	0.31	0.57	15	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	937.5	SWC	0.42	0.31	0.64	12	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	963.0	SWC	0.60	0.53	0.64	3	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	998.7	SWC	0.66	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1034.2	SWC	0.53	0.28	0.66	13	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1075.0	SWC	0.53	0.51	0.55	2	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1100.0	SWC	0.52	0.46	0.62	7	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1168.5	SWC	0.54	0.44	0.61	6	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1200.5	SWC	0.61	0.53	0.76	9	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1211.5	SWC	0.51	0.47	0.55	6	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1223.0	SWC	0.54	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1232.0	SWC	0.45	0.39	0.52	6	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1240.0	SWC	0.47	0.40	0.59	12	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1244.0	SWC	0.58	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1253.9	SWC	0.54	0.49	0.58	2	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1285.0	SWC	0.49	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1339.0	SWC	0.54	-	-	1	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1376.0	SWC	0.46	0.39	0.60	8	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1409.9	SWC	0.48	0.44	0.55	3	Triassic	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1506.0	SWC	0.69	0.47	0.83	11	Upper Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1600.0	SWC	0.45	0.36	0.59	30	Upper Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1780.0	SWC	0.39	0.33	0.48	7	Upper Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	1970.0	SWC	0.51	0.49	0.52	3	Lower Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	2000.0	SWC	0.60	0.60	0.90		Lower Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	2000.0	SWC	1.12	-	-	1	Lower Permian	Peedamullah
Australian Occidental Petroleum Inc.	Candace 1	2008.0	SWC	0.73	-	-	1	Lower Permian	Peedamullah
Hematite Petroleum Pty. Ltd.	Cane River 1	396.2		0.35	0.35	-	1	Cretaceous	Peedamullah
West Australian Petroleum Private Ltd.	Cape Cuvier 1	335.3	core	0.49	0.38	0.60	8	Cretaceous	Gascoyne
West Australian Petroleum Private Ltd.	Cape Cuvier 1	430.1	core	0.52	0.42	0.64	9	Devonian	Gascoyne
Knight Industry Pty. Ltd.	Coburn 1	163.7	core	0.36	0.23	0.56	8	Cretaceous	Gascoyne
Knight Industry Pty. Ltd.	Coburn 1	621.0	core	0.56	0.31	0.28	26	Silurian	Gascoyne
Knight Industry Pty. Ltd.	Coburn 1	781.0	core	0.64	0.62	0.65	2	Silurian	Gascoyne

Knight Industry Pty. Ltd.	Coburn 1	812.8	core	0.42	-	-	1	Silurian	Gascoyne
Knight Industry Pty. Ltd.	Coburn 1	958.3	core	1.08	-	-	1	Silurian	Gascoyne
Riotinto Australia Exploration	CRAE GBH 1	272.6	core	0.59	0.47	0.69	26	Silurian	Gascoyne
Riotinto Australia Exploration	CRAE GBH 1	354.2	core	0.58	0.44	0.75	6	Silurian	Gascoyne
Riotinto Australia Exploration	CRAE GBH 2	200.0	core	0.36	0.27	0.41	11	Cretaceous	Gascoyne
Riotinto Australia Exploration	CRAE GBH 2	330.7	core	0.67	0.59	0.82	3	Silurian	Gascoyne
West Australian Petroleum Private Ltd.	Dirk Hartog 17B	656.7	core	0.35	0.22	0.56	29	Cretaceous	Gascoyne
West Australian Petroleum Private Ltd.	Dirk Hartog 17B	1258.8	core	0.76	0.69	0.89	20	Silurian	Gascoyne
Esso Exploration and Production Australia Inc.	Esso Coal Bore	30.0	core(?)	0.59	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Esso Oil Shale 1	20.0	core(?)	0.44	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Esso Oil Shale 10	70.0	core(?)	0.50	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Esso Oil Shale 3	96.0	core(?)	0.24	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Esso Oil Shale 4	26.0	core	0.41	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Esso Talisker T9-2	94.0	core	0.40	0.35	0.48	30	Lower Permian	Coolcalalaya
Esso Exploration and Production Australia Inc.	Gascoyne 1	384.7	core	0.37	-	-	1	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Gascoyne 1	402.8	core	0.41	0.36	0.44	6	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Gascoyne 1	455.8	core	0.43	0.11	0.45	2	Lower Permian	Merlinleigh
Esso Exploration and Production Australia Inc.	Gascoyne 1	509.1	core	0.50	0.36	0.64	17	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Giralia 1	408.4	core	0.54	0.38	0.74	27	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Giralia 1	750.4	core	0.65	0.50	0.76	21	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Giralia 1	893.1	core	0.78	0.67	0.89	5	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Giralia 1	1045.5	core	0.54	0.44	0.59	5	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Giralia 1	1141.5	core	0.80	0.96	2.20	1	Lower Permian	Merlinleigh
Geological Survey of Western Australia	GSWA Ballythanna 1	59.7	core	0.43	0.31	0.50	4	Lower Permian	Byro
Geological Survey of Western Australia	GSWA Ballythanna 1	146.7	core	0.64	-	-	1	Lower Permian	Byro
Geological Survey of Western Australia	GSWA Ballythanna 1	151.0	core	0.42	0.36	0.52	13	Lower Permian	Byro
Geological Survey of Western Australia	GSWA Ballythanna 1	151.0	core	0.26(?)	0.16	0.34	14	Lower Permian	Byro

Geological Survey of Western Australia	GSWA Ballythanna 1	325.9	core	0.68	-	-	1	Lower Permian	Byro
Geological Survey of Western Australia	GSWA Ballythanna 1	461.2	core	0.44	0.34	0.54	12	Lower Permian	Byro
Geological Survey of Western Australia	GSWA Barrabiddy 1	115.4	core	0.32	0.17	0.47	20	Cretaceous	Gascoyne
Geological Survey of Western Australia	GSWA Barrabiddy 1A	187.4	core	0.35	0.23	0.47	15	Cretaceous	Gascoyne
Geological Survey of Western Australia	GSWA Barrabiddy 1A	678.2	core	0.77	0.67	0.93	31	Devonian	Gascoyne
Geological Survey of Western Australia	GSWA Barrabiddy 1A	713.4	core	0.94	0.72	1.10	28	Devonian	Gascoyne
Geological Survey of Western Australia	GSWA Gneudna 1	65.4	core	0.46	0.39	0.53	3	Devonian	Merlinleigh
Geological Survey of Western Australia	GSWA Gneudna 1	264.0	core	0.43	0.33	0.49	25	Devonian	Merlinleigh
Geological Survey of Western Australia	GSWA Gneudna 1	364.2	core	0.59	0.56	0.63	3	Devonian	Merlinleigh
Geological Survey of Western Australia	GSWA Mooka 1	82.2	core	0.32	0.22	0.41	5	Cretaceous	Gascoyne
Geological Survey of Western Australia	GSWA Mooka 1	339.0	core	0.53	0.45	0.65	5	Silurian	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2	196.0	core	0.45	0.33	0.54	26	Cretaceous	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	284.0	core	0.35	0.25	0.55	25	Jurassic	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	284.1	core	0.34	0.26	0.40	27	Jurassic	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	441.7	core	0.32	0.21	0.45	25	Jurassic	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	441.7	core	0.34	0.26	0.41	26	Jurassic	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	592.4	core	0.50	0.40	0.58	28	Silurian	Gascoyne
Geological Survey of Western Australia	GSWA Woodleigh 2A	596.3	core	0.52	0.38	0.64	26	Silurian	Gascoyne
West Australian Petroleum Private Ltd.	Hope Island 1	890.0		0.36	-	-	1	Cretaceous	Peedamullah
West Australian Petroleum Private Ltd.	Hope Island 1	944.9		0.36	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Hope Island 1	963.2		0.30	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Kennedy Range 1	120.7	core	0.64	0.62	0.68	4	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	152.1	core	0.75	0.6	0.9	11	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	180.4	core	0.72	-	-	1	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	368.8	cuttings	0.11(?)	-	-	1	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	368.8	cuttings	0.61	0.50	0.72	23	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	460.8	core	0.80	0.73	0.84	3	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	480.7	core	0.52	0.47	0.64	10	Upper Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	716.3	cuttings	0.66	0.55	0.73	8	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	716.3	cuttings	0.3(?)	0.24	0.42	4	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	716.3	cuttings	0.66	0.55	0.73	8	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	809.2	core	0.58	0.53	0.62	2	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	885.1	core	0.6	0.52	0.68	11	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	912.6	core	0.57	0.48	0.69	12	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	976.8	core	0.77	0.63	0.87	27	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1140.0	cuttings	0.65	0.50	0.74	9	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1188.7	cuttings	0.67	0.57	0.75	8	Lower Permian	Merlinleigh

West Australian Petroleum Private Ltd.	Kennedy Range 1	1194.8	core	1.40	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1265.8	core	0.80	0.64	0.93	17	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1313.7	cuttings	0.72	0.56	0.89	13	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1417.3	cuttings	1.06	0.91	1.25	25	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1430.7	core	1.12	0.92	1.29	25	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1487.4	cuttings	1.12	0.99	1.24	8	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1666.0	core	1.44	1.24	1.66	7	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1808.9	core	1.85	1.80	1.98	6	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	1813.6	core	1.90	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2014.7	cuttings	2.69	2.20	3.24	10	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2014.7	cuttings	1.50	1.32	1.74	18	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2048.3	cuttings	2.76	2.40	3.10	10	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2048.3	cuttings	1.59	1.47	1.64	6	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2083.0	core	1.86	1.44	2.05	25	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2103.1	cuttings	1.86	1.62	1.98	5	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2103.1	cuttings	2.94	2.60	3.26	11	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2121.4	cuttings	2.68	2.06	3.40	10	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2121.4	cuttings	1.24	0.84	1.55	6	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2197.6	cuttings	2.99	2.82	3.22	7	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Kennedy Range 1	2197.6	cuttings	1.93	1.74	2.01	5	Lower Permian	Merlinleigh
Bond Corporation Pty. Ltd.	Kybra 1	1450.0	SWC	0.46(?)	0.31	0.61	7	Triassic	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1450.0	SWC	0.77	0.64	0.90	14	Triassic	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1450.0	SWC	1.41(?)	1.00	2.00	15	Triassic	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1555.0	SWC	0.47(?)	-	-	1	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1555.0	SWC	0.93	0.84	1.03	7	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1555.0	SWC	1.68(?)	1.22	2.64	25	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1680.0	SWC	0.54(?)	0.44	0.65	3	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1680.0	SWC	0.86	0.76	1.01	8	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1680.0	SWC	1.81(?)	1.20	4.60	25	Upper Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1745.0	SWC	1.28(?)	-	-	1(?)	Lower Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	1745.0	SWC	2.09(?)	1.44	3.26	23	Lower Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2070.0	SWC	0.79	0.68	0.88	4	Lower Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2070.0	SWC	1.52(?)	1.30	1.73	5	Lower Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2070.0	SWC	2.06(?)	1.76	2.58	18	Lower Permian	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2170.0	SWC	1.46(?)	1.40	1.53	5	Carboniferous	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2170.0	SWC	2(?)	1.62	2.34	20	Carboniferous	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2376.0	SWC	0.77	0.67	0.92	25	Carboniferous	Peedamullah

Bond Corporation Pty. Ltd.	Kybra 1	2376.0	SWC	0.57(?)	0.47	0.64	14	Carboniferous	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2542.0	SWC	0.75(?)	0.65	0.90	25	Carboniferous	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2542.0	SWC	0.59(?)	0.54	0.63	2	Carboniferous	Peedamullah
Bond Corporation Pty. Ltd.	Kybra 1	2542.0	SWC	1.10	1.00	1.18	6	Carboniferous	Peedamullah
Ampol Exploration Ltd.	Lefroy Hill 1	1072.5	SWC	0.34	0.31	0.37	2	Cretaceous	Gascoyne
Ampol Exploration Ltd.	Lefroy Hill 1	1376.0	SWC	0.62	-	-	1	Cretaceous	Gascoyne
Ampol Exploration Ltd.	Lefroy Hill 1	1411.0	SWC	0.64	0.6	0.68	3	Jurassic	Gascoyne
Ampol Exploration Ltd.	Lefroy Hill 1	1490.0	cuttings	0.61	0.56	0.64	5	Upper Permian	Gascoyne
Ampol Exploration Ltd.	Lefroy Hill 1	1505.0		0.65	0.58	0.71	6	Upper Permian	Gascoyne
West Australian Petroleum Private Ltd.	Onslow 1	649.2		0.48	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	697.0		0.31	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	710.2		0.34	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	712.0		0.33	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	868.7		0.50	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	985.0		0.32	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1033.0		0.37	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1042.4		0.45	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1064.0		0.40	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1151.5		0.56	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1252.7		0.45	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1447.2		0.52	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1456.9		0.47	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1584.7		0.57	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1739.2		0.48	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	1908.4		0.79	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2019.0		0.59	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2023.3		0.73	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2023.9		0.59	-	-	1	Triassic	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2165.9		0.77	-	-	1	Upper Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2212.9		0.64	-	-	1	Upper Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2459.7		0.50	-	-	1	Upper Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2592.9		0.74	-	-	1	Lower Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2594.8	core	0.82	0.55	0.90	5	Lower Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2599.9		1.10	-	-	1	Lower Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2764.5		0.80	-	-	1	Lower Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2901.7		0.86	-	-	1	Lower Permian	Peedamullah
West Australian Petroleum Private Ltd.	Onslow 1	2990.1		0.84	-	-	1	Lower Permian	Peedamullah

Water Bore at Pelican Hill Station	Pelican Hill 1	516.9	core	0.39	0.32	0.47	25	Devonian	Gascoyne
Water Bore at Pelican Hill Station	Pelican Hill 1	773.0	core	2.42(?)	-2.12	2.72	-2	Silurian	Gascoyne
Genoa Oil NL	Pendock 1	1413.1	core	1.3(?)	-	-	1	Devonian	Gascoyne
Genoa Oil NL	Pendock 1	1413.1	core	0.99	-	-	1	Devonian	Gascoyne
Genoa Oil NL	Pendock 1	1413.1	core	0.77	-	-	1	Devonian	Gascoyne
Genoa Oil NL	Pendock 1	1413.1	core	0.44(?)	-	-	1	Devonian	Gascoyne
Genoa Oil NL	Pendock 1	2188.8	core	1.21	-	-	1	Silurian	Gascoyne
Genoa Oil NL	Pendock 1	2188.8	core	0.62(?)	-	-	1	Silurian	Gascoyne
Genoa Oil NL	Pendock 1	2191.5	core	0.78	0.53	0.98	17	Silurian	Gascoyne
West Australian Petroleum Private Ltd.	Quail 1	155.4	core	0.60	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	155.4	core	0.66	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	169.0	core	0.70	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	215.0	core	0.71	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	334.0	core	0.61	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	544.1	core	0.71	0.66	0.78	3	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	546.5	core	0.86	-	-	1	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	711.1	core	0.78	0.36	0.89	8	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	2468.3	core	1.91	1.59	2.28	11	Carboniferous	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	2795.6	core	2.80	-	-	1	Devonian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	2969.1	core	3.48	2.82	4.06	25	Devonian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	2972.1	core	2.62	-	-	1	Devonian	Merlinleigh
West Australian Petroleum Private Ltd.	Quail 1	3112.0	core	4.35	-	-	1	Devonian	Merlinleigh
Marathon Petroleum Australia Ltd.	Remarkable Hill-1	395.9	core	0.50	0.48	0.56	3	Lower Permian	Merlinleigh
West Australian Petroleum Private Ltd.	Rough Range 1	3141.9	core 53	2.32	1.96	2.67	15	Devonian	Gascoyne
West Australian Petroleum Private Ltd.	Rough Range 1	3940.5	core 63	4.28	3.90	5.39	6	Devonian	Gascoyne
SRL Exploration Pty. Ltd.	Sandalwood 1	1156.0	cuttings	0.31	0.26	0.41	21	Cretaceous	Merlinleigh
SRL Exploration Pty. Ltd.	Sandalwood 1	1258.0	cuttings	0.41	0.33	0.55	28	Lower Permian	Merlinleigh
SRL Exploration Pty. Ltd.	Sandalwood 1	1336.0	cuttings	0.46	0.36	0.58	27	Lower Permian	Merlinleigh
Oceania Petroleum Ltd.	Tamala 1	523.5	core	1.26(?)	1.07	1.44	2	L. Devonian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	523.5	core	0.94	0.89	0.99	7	L. Devonian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	523.5	core	0.63	0.52	0.76	4	L. Devonian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	523.5	core	0.96(?)	0.92	1.00	3	L. Devonian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	526.0	core	0.45	0.4	0.5	2	L. Devonian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	728.0	cuttings	0.55	-	-	-	Silurian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	746.0	cuttings	0.55	-	-	-	Silurian	Gascoyne
Oceania Petroleum Ltd.	Tamala 1	1057.0	core	0.46	-	-	-	Silurian	Gascoyne
West Australian Petroleum Private Ltd.	Wandagee 1	602.6	-	0.44	-	-	-	Silurian	Gascoyne

West Australian Petroleum Private Ltd.	Wandagee 1	778.8	-	0.53	-	-	-	-	-	Silurian	Gascoyne
Continental Oil Co of Australia Ltd.	Yaringa 1	94.0	core	0.43	0.35	0.48	30	0.48	30	Cretaceous	Gascoyne
Continental Oil Co of Australia Ltd.	Yaringa 1	210.0	core	0.53	0.41	0.68	31	0.68	31	Devonian	Gascoyne
Continental Oil Co of Australia Ltd.	Yaringa 1	908.2	cuttings	0.49	0.26	0.68	7	0.68	7	Devonian	Gascoyne
Continental Oil Co of Australia Ltd.	Yaringa 1	958.6	core	0.53	0.45	0.60	2	0.60	2	Silurian	Gascoyne
Continental Oil Co of Australia Ltd.	Yaringa 1	1044.0	core	0.47	0.42	0.50	10	0.50	10	Silurian	Gascoyne
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	196.0	cuttings	0.31	0.22	0.34	12	0.34	12	Cretaceous	Gascoyne
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	799.4	core	1.00	0.69	1.08	15	1.08	15	Devonian	Gascoyne
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	976.2	core	0.61	0.47	0.82	10	0.82	10	Silurian	Gascoyne
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)	1161.0	core	0.62	-	-	1	-	1	Silurian	Gascoyne

*SWC = sidewall core; Min = minimum; Max = maximum.

Table 3. Present-Day Temperature, Maximum Paleotemperatures, and Onset of Cooling Time Calculated for Paleothermal Episodes from AFTA and Vitrinite Reflectance Data*

Operator	Well	Formation	Sample	Depth (m)	Data	Present (°C)	Episode	Paleotemperature		
								(°C)	Time (Ma)	
Australian Occidental Petroleum Inc.	Candace 1	Cretaceous	SWC	318	VR	28	-	40	-	
			SWC	334	VR	29	-	40	-	
			SWC	343	VR	29	-	61	-	
			SWC	393	VR	31	-	92	-	
			SWC	423	VR	32	-	81	-	
			SWC	512	VR	35	-	76	-	
			SWC	527	VR	35	-	70	-	
			SWC	554	VR	36	-	79	-	
			SWC	665	VR	39	-	79	-	
			SWC	673	VR	40	-	100	-	
			SWC	681	VR	40	-	83	-	
			SWC	685	VR	40	-	66	-	
			SWC	696	VR	40	-	90	-	
			SWC	700	VR	41	-	80	-	
			SWC	705	VR	41	-	66	-	
			SWC	712	VR	41	-	90	-	
			cuttings	650-880	AFTA	43	1	≤125	deposition to 190	
			-	-	-	-	2	≤95	190-150	
			-	-	-	-	3	≤75	150-0	
			Triassic	SWC	767	VR	43	-	81	-
			Triassic	SWC	842	VR	45	-	78	-
			Triassic	SWC	882	VR	46	-	84	-
			Triassic	SWC	896	VR	47	-	92	-
Triassic	SWC	911	VR	47	-	80	-			
Triassic	SWC	938	VR	48	-	70	-			
Triassic	SWC	963	VR	49	-	99	-			
Triassic	SWC	999	VR	50	-	110	-			
Triassic	SWC	1034	VR	51	-	88	-			
Triassic	SWC	1075	VR	52	-	88	-			
Triassic	SWC	1100	VR	53	-	86	-			
Triassic	SWC	1169	VR	55	-	90	-			
Triassic	SWC	1201	VR	56	-	100	-			

-	Triassic	SWC	1212	VR	57	-	-	84	-
-	Triassic	SWC	1223	VR	57	-	-	90	-
-	Triassic	SWC	1232	VR	57	-	-	76	-
-	Triassic	SWC	1240	VR	58	-	-	78	-
-	Triassic	SWC	1244	VR	58	-	-	96	-
-	Triassic	SWC	1254	VR	58	-	-	90	-
-	Triassic	SWC	1285	VR	59	-	-	81	-
-	Triassic	SWC	1339	VR	61	-	-	90	-
-	Triassic	SWC	1376	VR	62	-	-	76	-
-	Triassic	SWC	1410	VR	63	-	-	79	-
-	Upper Permian	SWC	1506	VR	66	-	-	114	-
-	Upper Permian	SWC	1600	VR	69	-	-	64	-
-	Upper Permian	SWC	1780	VR	75	-	-	51	-
-	Lower Permian	SWC	1970	VR	81	-	-	72	-
-	Lower Permian	SWC	2000	VR	82	-	-	135	-
-	Lower Permian	SWC	2008	VR	82	-	-	120	-
-	Cretaceous	core	163.7	VR	31	-	-	59	129-0(?)
-	Cretaceous	core	185	AFTA	31	1	1	45-85	132-80
-	-	-	-	-	-	2	2	40-70	80-0
-	Devonian	core	272	AFTA	34	1	1	<110	80-0
-	Silurian	core	621	VR	46	-	-	93	-
-	Silurian	core	781	VR	52	-	-	106	-
-	Silurian	core	812.8	VR	53	-	-	53	-
-	Silurian	core	937	AFTA	57	1	1	>105	310-250
-	-	-	-	-	-	2	2	80-90	250-140
-	-	-	-	-	-	3	3	<80	140-0
-	Silurian	core	976	AFTA	58	1	1	>100	280-200
-	-	-	-	-	-	2	2	<100	200-80
-	-	-	-	-	-	3	3	<75	80-0
-	Cretaceous	cuttings	126	VR	29	-	-	66	-
-	Cretaceous	cuttings	102-1095	AFTA	29	1	1	55-95	deposition to 100
-	-	-	-	-	-	2	2	45-85	100-40
-	-	-	-	-	-	3	3	45-70	40-0
-	Devonian	cuttings	654	VR	45	-	-	-	-
-	Devonian	cuttings	924	VR	53	-	-	-	-
-	Devonian	cuttings	996-1146	AFTA	57	1	1	≥110	deposition to 160
-	-	-	-	-	-	2	2	≥110	160-190

Knight Industry Pty. Ltd.

Coburn 1

Avon Engineering Pty. Ltd.

Echo Bluff 1

	-	-	-	-	-	-	-	-	3	≤110	90-60
	-	-	-	-	-	-	-	-	4	<85	60-0
	-	-	cuttings	1152-1204	AFTA	61	-	-	1	≥110	deposition to 170
	-	-	-	-	-	-	-	-	2	110-125	170-120
	-	-	-	-	-	-	-	-	3	≤95	120-70
	-	-	-	-	-	-	-	-	4	≤70	70-0
	-	-	core	170	AFTA	37	-	-	1	<95	129-60
Geological Survey of Western Australia	GSWA	Barrabiddy 1A	Cretaceous								
	-	-	-	-	-	-	-	-	2	<85	60-0
	-	-	Devonian	187.4	VR	37	-	-	-	54	-
	-	-	Devonian	195	AFTA	39	-	-	1	>110	280-180
	-	-	-	-	-	-	-	-	2	<110	180-140
	-	-	-	-	-	-	-	-	3	55-80	100-0
	-	-	Devonian	678.2	VR	53	-	-	-	123	-
	-	-	Devonian	713.4	VR	54	-	-	-	138	-
	-	-	Devonian	778	AFTA	56	-	-	1	>110	280-180
	-	-	-	-	-	-	-	-	2	85-105	180-145
	-	-	-	-	-	-	-	-	3	70-85	145-10
Geological Survey of Western Australia	GSWA	Woodleigh 2A	Cretaceous								
	-	-	core	196	VR	35	-	-	-	76	-
	-	-	core	284	VR	40	-	-	-	56	-
	-	-	core	284.1	VR	40	-	-	-	53	-
	-	-	core	441.7	VR	49	-	-	-	47	-
	-	-	core	441.8	VR	49	-	-	-	40	-
	-	-	core	498-499	VR	52	-	-	-	40	-
	-	-	core	498-499	AFTA	52	-	-	1	90-105	deposition to 180
	-	-	-	-	-	-	-	-	2	75-95	180-120
	-	-	-	-	-	-	-	-	3	75-90	120-60
	-	-	-	-	-	-	-	-	4	≤75	60-0
	-	-	core	592.4	-	57	-	-	-	83	-
	-	-	core	596.3	-	57	-	-	-	86	-
	-	-	core	1413	VR	60	-	-	-	74-160	-
	-	-	core	2189	VR	87	-	-	-	102-155	-
	-	-	core	2187-2191	AFTA	87	-	-	1	≥110	deposition to 200
	-	-	-	-	-	-	-	-	2	≥110	200-90
	-	-	core	2192	VR	87	-	-	-	125	-
	-	-	-	155	VR	30	-	-	-	99	-
Genoa Oil NL		Pendock 1	Silurian								
	-	-	core	596.3	-	57	-	-	-	86	-
	-	-	core	1413	VR	60	-	-	-	74-160	-
	-	-	core	2189	VR	87	-	-	-	102-155	-
	-	-	core	2187-2191	AFTA	87	-	-	1	≥110	deposition to 200
	-	-	-	-	-	-	-	-	2	≥110	200-90
	-	-	core	2192	VR	87	-	-	-	125	-
	-	-	-	155	VR	30	-	-	-	99	-
West Australian Petroleum Private Ltd.		Quail	Lower Permian								
	-	-	core	2192	VR	87	-	-	-	125	-
	-	-	-	155	VR	30	-	-	-	99	-

-	Lower Permian	core	221	AFTA	33	1	90-100	220-110
-	-	-	-	-	-	2	70-80	30-0
-	Lower Permian	core	545	VR	39	-	117	-
-	Lower Permian	core	711	VR	50	-	125	-
-	Carboniferous-Permian	core	1062	AFTA	63	1	>100	140-40
-	-	-	-	-	-	2	90-100	20-0
-	Carboniferous-Permian	core	1995	AFTA	96	1	>110	312-5
-	Carboniferous	core	2231	AFTA	104	1	>110	350-5
-	Carboniferous	-	2469	VR	113	-	187	-
-	Devonian	-	2971	VR	130	-	>240	-
-	Silurian	-	603	VR	52	-	74	-
West Australian Petroleum Private Ltd.	Wandagee 1							
-	Silurian	-	779	VR	61	-	88	-
-	Ordovician	core	974-976	AFTA	70	1	≥110	deposition to 290
-	-	-	-	-	-	2	110-120	290-160
-	-	-	-	-	-	3	105-115	160-120
-	-	-	-	-	-	4	≤95	120-0
Pace Petroleum Pty. Ltd.	Yaringa East 1 (deepening)							
-	Lower Devonian	core	268	AFTA	34	1	<95	386-230
-	-	-	-	-	-	2	85-95	230-90
-	-	-	-	-	-	3	55-75	55-0
Geological Survey of Western Australia	outcrop	outcrop	0	AFTA	25	1	100-110	370-280
-	-	-	-	-	-	2	60-75	200-40
-	-	-	-	-	-	3	<60	40-0

*SWC = sidewall core; AFTA = apatite fission-track analysis; VR = vitrinite reflectance.