

PECTEN No. 1A

OIL and GAS DIVISION

15 JUL 1982

K.K. No.	Depth (m)	\bar{R}_v max	Range	N	Exinite Fluorescence (Remarks)
WANGERRIP GROUP					
DILWYN FORMATION 802m					
15364	901 Ctgs	0.37	0.29-0.46	20	Rare sporinite, orange. (Claystone and lesser amounts of sandstone. D.o.m. sparse to common in the claystone, V>>I>E. Vitrinite sparse to common as small phytoclasts, I and E rare.)
PEBBLE POINT FORMATION 1057m					
15523	1178 Ctgs	0.47	0.36-0.56	17	Rare sporinite, orange and rare dinoflagellates yellow. (Clay-rich sandstone with d.o.m. sparse, I>E>V. Vitrinite rare as small to large phytoclasts, some pyrite.)
SHERBROOK GROUP					
PAARATTE FORMATION 1436m					
15524	1550 Ctgs	0.38	0.33-0.45	20	Rare sporinite cutinite and resinite, orange to dull orange. (Siltstone with d.o.m. sparse to common, I>E>V. Vitrinite rare to sparse, Inertinite sparse to common. Some carbonate minerals and shell fragments present.)
15525	1554 Mud from core #2	0.39	0.30-0.51	20	Rare sporinite orange to dull orange and ?dinoflagellates, yellow orange. (Mudstone with some sandstone, d.o.m. sparse to common, I>V>E. Vitrinite rare. Siderite and pyrite both present.)
BELFAST MUDSTONE 1607m					
15526	1717 Ctgs	0.53		21	Rare sporinite, orange, cutinite dull orange, dinoflagellates yellow to orange. (Mudstone, abundant sand-size ?glaucinitic pellets and ?shell fragments. D.o.m. sparse to common, I>E>?V.)
FLAXMAN FORMATION 1739m					
15365	1741 Core	0.49	0.40-0.61	7	Rare sporinite, orange, cutinite, yellow to orange, and dinoflagellates yellow to orange. (Siltstone, clay-rich. D.o.m. sparse, I>E=V, vitrinite rare. Pyrite sparse.)
OTWAY GROUP 1796m					
15366	1805 Core	0.60	0.52-0.67	12	Rare sporinite and cutinite, orange. (Sandstone with thick and extensive layers of vitrinite. Some pyritized wood is present and much of the vitrinite has a very open cell structure suggesting early mineralization. Phytoclasts large. D.o.m. rare apart from large lenses of vitrinite, V>>E>I. Many of the sand grains have thin, but distinct overgrowths.)
15367	2742 Ctgs	0.65	0.49-0.85	25	Exinite rare overall but common orange sporinite in a few grains. Rare dinoflagellates were also found and much of the exinite may be in cavings. (Claystone>sandstone>siltstone. D.o.m. rare, V>I>E. Some of the vitrinite is probably in a cavings population and readings down to 0.41% were obtained on well-defined vitrinite. The population reported for the mean may also be biased by the presence of cavings. Many of the occurrences of vitrinite were as isolated fragments of vitrinite A so that maceral and mineral associations could not always be used to assist in detecting cavings.)

T.D. 2850m