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DEPARTMENT OF MINES  
TREASURY GARDENS  
MELBOURNE, C.2  
20-9-61

Our original copy of this report has been mislaid. The enclosed copy was forwarded to us yesterday by Mr. McQueen of Frome-Broken Hill at my request.

Plates of the illustrations are not included as spare copies were not available.

D.J. Taylor.  
Geologist.

C O P Y.

FROME-BROKEN HILL COMPANY PTY. LTD.

PORT CAMPBELL NO. 1 EXPLORATION WELL.

The following porosity and permeability determinations on cores from the above well, have been made by the Commonwealth Bureau of Mineral Resources, Geology and Geophysics.

<u>CORE NO.</u>	<u>DEPTH</u> (feet)	<u>POROSITY</u>	<u>PERMEABILITY</u> (Millidarcies)
22	5660-5662	24%	H 169 V 660
22	5663-5665	26.5%	H 2985 V 1695
23	5700-5702	14.8%	H 5 V 2.75
23	5702-5704	12.5%	H Nil V Nil
23	5706-5708	8.6%	H Nil V Nil

H = Horizontal permeability

V = Vertical permeability

PALTECH A-1  
1982

PORT CAMPBELL No. 1

OIL and GAS DIVISION

15 JUL 1982

K.K. No.	Depth (m)	$\bar{R}_V$ max	Range	Exinite Fluorescence N	(Remarks)
WANGERRIP GROUP 369m					
15335	748 Core	0.37	0.33-0.40	3	Rare sporinite, liptodetrinite and cutinite, greenish yellow to orange. (Clay-rich sandstone, d.o.m. rare I>V=E. Vitrinite rare and occurring as very small phytoclasts. Pyrite present. Poor source-potential, Immature.)
15336	1100 Core	0.43	0.35-0.51	20	Sparse cutinite and sporinite, greenish yellow to orange. (Siltstone with abundant d.o.m. I>V>E. Inertinite abundant, vitrinite sparse, exinite sparse. Source-potential fair to moderate, Immature.)
PARATTE FORMATION 1294m					
15337	1398 Core	0.59	0.57-0.64	3	Rare sporinite, orange, rare ?dinoflagellates, yellow. (Clay-rich siltstone with sparse d.o.m., I>E>V. Vitrinite population poorly defined and vitrinite very rare.)
BELFAST FORMATION 1503m					
15338	1532 Core	0.58	0.54-0.61	3	Sparse orange sporinite and rare greenish yellow to orange. (Claystone with sparse sand-size quartz grains. D.o.m. sparse to common, I>E>>V. Vitrinite population poorly defined.)
15339	1593	0.37	0.31-0.43	22	Dominant alginite A, yellow, derived from <u>Reinschia</u> sp. (Torbanite, similar to Permian torbanites. Alginite approx. 95%, vitrinite 5%, trace of inertinite.)
15340	1594 Core	0.60	0.58-0.62	22	Rare sporinite, orange and dinoflagellates yellow to orange. (Mudstone with sparse d.o.m., I>E>?V. Inertinite sparse. Pyrite common.)
15341	1808 Core	0.53	0.46-0.65	21	Sparse exinite; fluorinite bright green; sporinite and cutinite yellow to orange. (Claystone with d.o.m. abundant. V>>E, ?no I. Approx. 25% V. Possible oil-stain on some of the vitrinite but stain visible only in reflected light and no fluorescence from the stain.)

T.D. 1818+m