

Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT



WCR

Port Campbell - 1 W460

1 Folio No	2 Referred to	3 Date	4 Clearing Officer's Initials	1 Folio No.		2 Referred to	3 Date	4 Clearing Officer's Initials
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FILE COVER INSTRUCTIONS FOR ACTION OFFICERS

- (1) FOLIO NUMBERS: Each subject paper attached to a file is to be given a consecutive number by the attaching officer. Papers must not be removed from or attached to a file without approval.

 (2) REFERRAL TO OTHER OFFICERS: When an Officer completes action on the file and further action is required by some other Officer, please initial Column (4) and on the next vacant line, enter the relevant folio number in Column (1), indicate to whom the file is to be forwarded in Column (2) and record the date in Column (3).
- (3) BRING UP MARKINGS: When action on a file is required at a later date, the officer will initial Column (4) and, on the next vacant line, enter the relevant folio number in Column (1), then write "B/U" followed by the action officer's name in Column (2) and the date the file is required in Column (3).
- (4) PUTAWAY MARKINGS: When ALL action on a file is completed the officer concerned will initial Column (4) and, on the next vacant line, write "P/A" in column (2).

REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

All Communications should be addressed SECRETARY FOR MINES

Telephone: 63 0321



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.

COPY. 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.

CORE NO.	$\frac{\text{DEPTH}}{\text{(feet)}}$	POROSITY	PERMEABILITY (Millidarcies)
22	5660-5662	24%	H 169 V660
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

PALTECK PL

PORT CAMPBELL No.1

K.K.	Depth (m)		r Range	Exinite Fluorescence OIL and GAS DIVISION (Remarks)
1104	(1117	Rymax	. Kango	1 5 JUL 1982
				WANGERRIP GROUP 369m
15335	748 Core	0.37	0.33-0.40	Rare sporinite, liptodetrinite and cutinite, greenish yellow to orange. (Clay-rich sandstone, d.o.m. rare i>Y=E. Vitrinite care 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, eximite 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. Yitrinit population poorly defined and vitrinite very rare.)
				BELFAST FCRMATION 1503m
15338	1532 Core	0.58	0.54-0.61	3 Sparse orange sporinite and rare greenish yellow to crange. (Claystone with sparse sand-size quartz grains. D.o.m. sparse to common, I>E>>V. Vitrinite population poorly defined.)
15339	1 593	0.37	0.31-0.43	22 Dominant alginite A, yelliow, derived from Reinschla sp. (Torbanite, similar to Permian torbanites. Alginite approx. 95%, vitrinite 5%, trace of inertinite.)
15340	1594 Core	70.60	0.58-0.62	72 Rare sporinite, orange and dinoflagellates yellow to orange. (Mudstone with sparse d.o.m., !>E>?V. Inertinit sparse. Pyrite common.)
15341	1808 Core	0.53	0.46-0.65	21 Sparse eximite; fluorinite bright green; sporinite and cutinite yellow to orange. (Claystone with d.o.m. abundant. V>>E, Ino I. Approx. 25% V. Possible oilstain on some of the vitrinite but stain visible only in reflected light and no fluorescence from the stain.)

T.D. 1818+m