



Beach Petroleum
Source Rock Study
Otway Basin

for Woolsthorpe-1

(W520)

Attachment to WCR

BEACH PETROLEUM

NO LIABILITY

(Incorporated in South Australia)

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AUSTRALIA

1st September 1983

*MR. F. J. ...
R. D. ...
REC'D
14/9/83
R.D.*

The Minister for Minerals and Energy
Department of Minerals and Energy
Princes Gate East
151 Flinders Street
MELBOURNE Vic 3000

OIL and GAS DIVISION

14 SEP 1983

R. J. ... 14/9.
Attention: The Director - Oil and Gas Division

Dear Sir

Re: Beach Petroleum Source Rock Study - Otway Basin

Now that the results of the source rock analyses have become available they can be passed on to you. Thirty-five samples were collected from five wells. Those wells were:-

Garvoc-1
Ferguson Hill-1
Woolsthorp-1
Ross Creek-1
Port Campbell-2

Further, please find (i) specific gravity measurement
(ii) petrographic description for a basement sample of Moyne Falls Well No. 1.

Yours faithfully
BEACH PETROLEUM NO LIABILITY

DG Langton
DG Langton
EXPLORATION MANAGER

SG:cs

REFERRED TO OAGD
 FOR COMMENT
 TO NOTE
 FOR REPLY BY.....
 FOR NECESSARY ACTION

CR
O.I.C. CENTRAL REGISTRY
14/9/83

Woolsthorp No. 21

K.K. No.	Depth (m)	\bar{R}_V max	Range	N	Exinite Fluorescence (Remarks)
Eumeralla Formation					
18090	395 Ctgs	0.47	0.31-0.60	40	Abundant sporinite and common cutinite, yellow orange to dull orange, sparse resinite, yellow and dull orange and abundant common suberinite, brown. (Claystone>sandstone>coal>shaly coal=siltstone. Coal, V>I>E, duroclarite>durite>fusite>clarite=vitrite. Shaly coal, V>E>I. D.o.m. common I>E>V. Inertinite common, exinite and vitrinite sparse. Micrinite locally abundant. Sparse shell fragments. Slight heat alteration of sample during drying.)
Geltwood Beach Formation					
18091	1087 Ctgs	0.48	0.34-0.58	32	Common sporinite, yellow orange to orange, sparse cutinite, yellow to dull orange and sparse suberinite brown. (Claystone>coal>sandstone>shaly coal. Coal abundant, V>E>I, vitrite>clarite>duroclarite. Shaly coal, V>E>I. D.o.m. common, V>I>E. All macerals common. Sparse shell fragments. Sparse pyrite.)
Pretty Hill Sandstone					
18092	1471 Ctgs	0.67	0.51-0.79	20	Common sporinite, yellow orange to dull orange, sparse cutinite, orange to dull orange and rare suberinite, brown. (Siltstone>claystone>sandstone>coal>shaly coal. Coal, V>E>I, duroclarite>vitrite. Shaly coal, V>E>I. D.o.m. common, E>I>V. Exinite sparse to common, vitrinite and inertinite sparse. Rare shell fragments and ?oolites. Sparse pyrite.)
18093	1855 Ctgs	0.81	0.69-0.97	8	Sparse sporinite orange to dull orange, sparse cutinite, orange to dull orange and rare alginite A, yellow. (Sandstone>siltstone>claystone>coal. Coal rare, V>I>E, clarite=fusite. D.o.m. common, E>I>V. Exinite and inertinite common, vitrinite sparse. Limestone present. Common shell fragments. Rare foraminifer tests. Common pyrite.)
18094	1943 Ctgs	0.72	0.57-0.86	17	Sparse sporinite and cutinite yellow orange to dull orange. (Claystone>siltstone>sandstone. D.o.m. common, I>E>V. Inertinite common, exinite and vitrinite sparse. Abundant carbonate. Rare shell fragments. Sparse iron oxides.)

WOOLSTHORP No. 1

Sample No.	Depth (m)	Total Organic Carbon
18090	395 Ctgs	4.45
18091	1087 Ctgs	2.70
18092	1471 Ctgs	1.76
18093	1855 Ctgs	0.70
18094	1943 Ctgs	1.38