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**BASS BASIN
"PALYNOLOGICAL REPORT"**

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SUMMARY OF PALYNOLOGICAL AGE DETERMINATIONS FROM THE BASS BASIN

By Esso Production Research Co.

Palynological studies of material from southern Australia has revealed the following sequence of palynological assemblages below the Oligocene applicable to the Bass Basin.

<u>Assemblage</u>	<u>Age</u>
<u>Tricolpites thomasii</u>) <u>Nothofagidites aspera</u>) <u>Proteacidites pachyopolus-asperopolus</u>)	Upper Eocene
<u>Duplopollis orthoteichus</u> (Zonule "A")	Middle Eocene
<u>D. orthoteichus</u> (Zonule "B")	Lower Eocene
<u>Triorites edwardsii</u>	Paleocene
<u>Tricolpites lilliei</u>	Senonian (Upper Cretaceous)

Samples processed from the three Bass wells indicated the following ages determined from the above assemblages.

	<u>Bass-1</u>	<u>Bass-2</u>	<u>Bass-3</u>
	(a) <u>Tricolpites thomasii</u> 3814-3816	-	-
Upper Eocene	(b) <u>Nothofagidites aspera</u> 5382-5405	3996 & 4142	4731-5287
	(c) <u>Proteacidites pachyopolus-asperopolus</u> -	4308 & 4463	5325-5336 & 5409
Middle Eocene	5880-5905	(Disconformity) Missing	Thought to occur between 5409 & 5913
Lower Eocene	6407-7717	Occurs between 4573 & 4861	6021 & 6155 & 6437
Paleocene	-	Occurs between 4937 & 5508	Occurs between 6437-7311
Upper Cretaceous	-	-	7311-7710

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