

# APPENDIX 2

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GEOLOGICAL SURVEY OF VICTORIA

6247

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*and  
EB-2 well file*

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## Plant Remains, Esso Bass-2 Well - Tasmania

by J.G. Douglas

Core at 4137, 4139, 4140, 4140.5 feet (Core No.5) Esso Bass-2 well containing fragmentary, but well preserved, leaf impressions was examined and treated by Schultz's solution - ammonia method.

Portions of small, elongate leafed conifers, spatulate lanceolate leaved angiosperms were present as mega-remains.

Cuticular remains included well preserved fragments of leaf upper and lower surface cuticles of at least a dozen species; leaf cuticle from a small leafed conifer, possibly that preserved in mega-form, leaf cuticle from a large leafed conifer, of the Araucariaceae, numerous conifer seeds, and fragments of other reproductive organs.

Insufficient is known of southern Australian fossil angiosperm floras to distinguish any species, but the remains appear to be similar to species in other floras from the Dargo High Plains, Narracan and Berwick in Victoria, said to be of lower Tertiary Oligocene - Eocene age.

The gymnosperms in question have a much larger Tertiary range, existing to at least the Pliocene.

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14th June, 1966.