

## Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT



# BARRACOUTA 2 W492

Well Completion

Referred to Date Clearing Folio 4 Clearing Officer's Initials PEP/38 LIPPSLAND 4015 OFFSHORE

## FILE COVER INSTRUCTIONS FOR ACTION OFFICERS

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- 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).
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**CATION** 

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## W492 BARRACOUTA 2

1.0	WELL SUMMARY
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## **ENCLOSURES**

1.0 WELL CARD

2.0 WELL COMPLETION LOG3.0 GRAPHOLOG (MUD LOG)

Non-Subsidized WelkESTRICTED COPY BARRACOUTA

### ESSO GIPPSLAND SHELF-2

## WELL SUPPLARY

Purpose of Well: First field confirmation well

Well Statistics:

Status:

Suspended gas well

Spudded:

June 8, 1965

Completed:

July 16, 1965

Total Depth:

4015 feet'

Casing:

30" @ 286'; 20" @ 695'; 13-3/8" @ 2033'; 9-5/8" @ 3955'

Pluge:

3018-3218

Packers set at 3422 and 3656 feet

2009-2336

(All perforations squeezed)

200-330

Coring:

Right conventional cores totalling 220 feet cut and 19 feet recovered. Thirty sidewall cores cut -

29 recovered.

Mud Logging:

Core Lab from 820-4015 feet Total Depth.

Electric Logs:

IES, SGRC, CDM - 687 to Total Depth MLL, LL - 2032 to Total Depth.

Testing:

Test Mo. 1

3731-3739 at 2 shots/foot

Bbls/MMCF

GBSOLETE

Choke	MCFD	F.T.P	Bbls Condensate/Day			
19/64*	3.0	1450	47	15-7		
26/64"	5.1	1403	70	13.7		
40/54"	3.24	1233	\$3	10.01		
56/64"	9.6	1236	95	10.02		

Cost No. 2

3488-3508 at 2 shots/foot

hoke	MCYD	F.T.F.	Bbls Condensate/Day	
19/65"	2.78	1292	69	33.6
26/64°	4.69	1353	<b>85</b>	18.1
10/64"	7.92	1289	87	11.0
56/64"	9.40	1210	103	11.0

## Stratigraphy:

Formation .	TOR	Botton	Thickness	Predicted Top
Gippaland Fm.	< 7:0	3040(-3009)	. 2310+	700 - °
Lakes Entrance Fm.	3040(-3009)	3414(-3383)	374	3 <b>270</b>
Latrobe Valley Fm.	3414(-3983)	401 <b>5</b> +(+3984)+	601+	3 <b>460</b>

Well stopped in Latrobe Valley Formation.

### Mathology:

## Gippeland Foreation:

820-1767 Limestone: Light-medium grey, skeletal, slightly glaucomitic,

very fossiliferous.

Marl: Light to medium grey and olive-grey, soft, fossiliferous,

minor glauconite.

1767-2157 Sandy Limestone: With sand, clean, clear, medium-coarse,

very well rounded, fairly well sorted quarts.

Linestone as above.

Mari as above.

2157-2455 Limestone and Harl: As for 820-1767, and delemitic lime-

stone, brown-grey to dark tan, slightly fossiliferous.

(2290-2330)

2455-2835 Sand-Sandstone: Clean, clear, medium-coarse, rounded to

well rounded, fossiliferous, slightly glauconitic. Liszatona

as above. Minor marl as above.

2835-3040 Marl: Light to medium-elive-grey, dease, soft, fessiliferous,

firm, minor glauconite.

## Lakes Entrance Foresticn:

3040-3414

Mari: as for 2835-3040 except becoming extremely glauconitic and pyritic from 3370 to 3414. Minor shale, green, calcareous, fossiliferous.

## Latrobe Valley Formation:

3414-4015 Total Depth Sand-sandstone: Dirty, brown-grey to brown, fine to very coarse and sub-rounded to rounded, poorly sorted, friable,

leose, micuceous.

Sand-sandstone: Clean, made up of clean, clear, very fine to course, mainly fine to medium, sub-rounded to rounded, well sorted quarts, micaceous, trace pyrite, carbonaceous. Siltstone-shale: Brown-grey, finely laminated, carbonaceous and micaceous.

Black coal.

Structure:

EGS-2 confirmed the atructure on top of the Latrobe Valley Formation as previously outlined by seismic. Correlations (see below) show the Latrobe Valley Formation top to be 44 feet high in this well compared to EGS-1. The top of the Lakes Entrance Fm. is 270 feet high in this well compared to EGS-1. Correlations within the Lakes Entrance Fm. show depositional thickening in the Lakes Entrance in EGS-2 compared to EGS-1 as well as crosson at the top of the Lakes Entrance. Thickness differences in the Gipps-land are probably depositional.

## Correlations: (IES, SGRC)

	<u> FGS-2</u>				<u> </u>
Markers	898	371	high	to	93 <b>5</b>
	1105	50'	bigh	to	1155
	1217	54*	high		1271
	1312	83*	high		1395
	1445	921	high		1537
	1728	96*	high		1824
•	1827	123*	bigh	¢o	1950
	2017	127*	high		2144
•	2204	152*	high		2356
	2408	194"	high		2602
· · · · · · · · · · · · · · · · · · ·	2575	192'	high		2767

	<u>EGS-2</u>				<u> 668-1</u>
Top of Lakes Estrance Fm (unconformity)	3040	230"	high	to	3270
an factor was an and of t	3160	160'	high	to	3320
	3345	49'	high	to	1194
Top of Latrobe Valley Fm (unconformity)	3414	44*	high	to	3458

### Pay Zone:

A total of 390 feet of gross sand column is present from 3414 to 3504 feet in the top of the Latrobe Valley Formation. The following is a comparison of the pay zones in EGS-1 and EGS-2.

Sul color

ECS-1 304' net gas sand 21' probable (low porceity)

EGS-2 242' met gas sand 131' probable (low porosity)

The low porosity "probable" gas some in EGS-2 is less porous and more silty than the probable gas mose in EGS-1 and not considered as effective.

The gross pay in EGS-2 has been subdivided by log analysis as follows:

Good sand (greater than 20% porosity) - 134 feet

Fair sand (between 14-20% porosity) - 108 feet

Foor sand-siltatone (between 9-14%

porosity) - 98 feet

Dense sand (less than 9% - ail poro.) - 33 feet

Coal - 17 feet

These perosity values assume as SCR value of 15%.

## Remarks:

The well confirmed the selecte structure on top of the Latrobe Valley Formation and the gas column found in the EGS-1. Thereby the purpose for which it was designed was adequately accomplished.

AAP:JC

A.A. Phillips

Attachment:

Composite Log (2" marked I.E.S.)

## EGS-2 COME RECORD

He.		Interval	Cut	Recovered
1		3418-3448	30*	11. Conventienal
2	•	3448-3508	601	15*
3.		3508-3559	51,	0
4		3569-3590	21"	. 13t
5		3590-3604	14*	O
6		3604-2615	11,	
7		3615-3640	25'	0 Rubber Sleeve
\$	,	3640-3648	*	O Rubber Sieeve
				<del></del>
		•	220'	39*

## CORE NO.1

## 3415-3449 Recovery 11'

- Mote: Top 3 feet of core recovered intact. Remainder (8') fell out of barrel and is representative of the interval but separate pieces are not necessarily in correct place. Assured II feet from top of cored interval.
- 3418-3421 Carbonaceous, micaceous siltstone-shale: brown-grey to brown, very micaceous, soft, dense, thinly laminated, with very friable light grey to light brown-grey carbonaceous, micaceous, very fine to fine grained quarts, sand and siltstons leases and beds.

Remainder of Core consists dominantly of the above carbonaceous siltstone with interbedded sandstone leases and interbedded black coal.

Some of the interbedded sand - sandstone is very fine-granule and extremely poorly sorted with the coarser grains sub-rounded to round, set in sub-angular to sub-round fine grain matrix. Few white clay specks in matrix as well as siltatone and coal particles. Very frieble, trace of pyrite.

Strong hydrocarbon odour from all of core. Gas bubbles coming out of coal above.

No fluorescence. Appears very low-mil perosity throughout.

#### CORE NO. 2

	3448-3508 B	scovered 15' (do not know whereabouts of this 15')
	3448 <b>-</b> 34 <b>50</b>	Black coal
<b>+</b>	3450-3458	Dominantly sand-siltatone, brown-grey to brown, with minor
	•	light grey-white patches of dirty, very fine to medium sand.
		Sand is very dirty set in silty carbonaceous matrix, very
		friable. Thru laminations of brown-grey to brown siltstone-
		shale are minor in these sections. Sand has fair sorting
		in this interval and is porous.
	3458-3460	Dominantly carbonaceous, micaceous siltatone-shale,
	•	brown-grey, etc, with minor thin laminations of sand and
		sandstone (cross bedded)
*	3460-3461	Sand-sandstone:as for 3450-3458, but generally coarser
	•	(up to very coarse), coarser fragments generally well-rounded
		and set in dirty carbonaceous, micaceous silty matrix and coal.
	3461-3462	Cerbonaceous, micaceous siltstone ahule as above.
<b>+</b> .	3462-3462.5	Sand-sandstone: as for 3460-3461, except up to granule size
		and extramely poorly sorted, very dirty.
	3462.5-3463	Black coal.
		Good petroleum odour thru core. Gas bubbles from coal.
		No fluorescence.
		Core analysis on 3453, 3454, 3455, 3458, 3459, 3460, 3461.
		Drilling rate variable minute per foot - 3.2 minute per foot
		(Average 1.2)

Note: Core is generally dirty.

## CORE NO. 3

## 3508-3559 Recovery NIL

Coring samples show all sand, clean, clear, medium-very coarse, sub-rounded to rounded, loose, friable, poorly sorted.

## CORE NO. 4

569-3582

Sand-sandstone, clean, made up of clear, clean, light grey and cloudy, sub-angular to round, very fine to coarse, mainly fine to medium, fairly well sorted quartz, trace mica (muscovite) and black coal fragments. Few thin carbonaceous bands across core.

Coarser fragments more rounded, very porous. Strong hydrocarbon odour throughout core. No fluorescence.

Core Analysis: 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582.

Cores Nos. 5, 6, 7 and 8 - no recovery.

2. PALEONTOLOGY RPT

DAVID, J. TAYLOR

+ MISCELLANEOUS



## Geological Survey of Victoria

THE MID-TERTIARY FORAMINIFERAL SEQUENCE

ESSO GIPPSLAND SHELF NO. 2 WELL.

by

David J. Taylor.

Unpublished Report 18/1965.

## 

ESSO Gippsland Shelf No. 2 Well was drilled  $2\frac{1}{2}$  miles at a bearing of  $236^{\circ}$  30' from ESSO Gippsland Shelf No. 1 and in a similar structural position.

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Cutting samples from 820 feet to 4013 feet (T.D.) were examined at 50 foot intervals. Contamination was minimal to 3370 feet, but heavy below this level. Three cores were submitted, but no foraminifera or other microfauna were found in them. Six side wall cores were examined and all except the deepest (No. 25 at 3408 feet) contained foraminifera. Casing and core positions are shown on Fig. 1.

Distribution of foraminifera was similar to that in the No. 1 well, as discussed by Taylor (1965) and illustrated on Fig. 1 of that report.

Examination showed differences in thickness of some biostratigraphic units when comparing the two sections and the comparison is summarised on the well correlation diagram (Fig. 1.) of this report. Palaeoecological differences were also noted. Therefore this report will compare in the two wells (1) the thickness and nature of the biostratigraphic units, and (2) the palaeoecology of the biostratigraphic units. Detailed discussion is unwarranted because of the similarity of both sections and the lengthy discussions in the report on the No. 1 section (Taylor 1.c). Comment will also be made on the sea floor sample from the No. 2 well site.

(I) Biostratigraphic comparison:- Fig. 1 shows an apparent thickening of Zonule A and a compensating thinning of Zonule B in the No. 2 section. As stated for the No. 1 section, Zonule A is probably more facies than biostratigraphically controlled, and these differences in thickness suggest that the water shallowing was earlier in No. 2 than in No. 1.

Zonule C and Zonule D are fairly consistent between the sections. However the lack of core samples makes it impossible to designate the top of Zonule E, which is established on the first appearance of Orbulina universa.

The appearance of worn large foraminifera is indicative of Zonule E and the presence of these derived forms, including <u>Lepidocyclina</u>, establishes a correlation of Zonule E between the two sections.

Zonules F & G are missing in both sections. A benthonic faudina which includes Astrononion centroplax, Cidicides brevoralis and C. perforatus makes its first appearance at 2780 feet, thus correlating it with the 3080 feet level in the No.1 section (the top of Zonule H). Zonule H is consistent in both thickness and faunal character, although Bolivinopsis cubensis is present relatively higher in this section, but was not found in the No.1 sections. B. sp. 13 is very similar to B. affiliata and is obviously part of the Bolivina pontis - B. sp. 9 - B. sp. 1 lineage (refer Taylor, l.c., p. 6). It is also noted that Vulvulia sp. of V. Granulosa occurs in this Zonule and is not restricted to Zonule I as suggested in the earlier report.

Zonule I is twice the thickness in the No. 2 section, but the faunal characters are the same. Globorotalia testarugosa first appears in a cutting sample at 3370 feet, indicating the top of Zonule J but contamination is heavy so that it may have come from slightly higher in the section. The top of Zonule J is within calcareous sediment and is above the development of "greensand" as shown by Side Wall Core No. 25 (at 4008 feet). In the Lakes Entrance Oil Shaft the highest appearance of G. testarugosa is 37 feet above the "greensand" (Jenkins, 1960). In the No. 1 section, the top of Zonule J was well below the base of calcareous sediments. As only cutting samples were available this may have been due to cutting return delay. However the possibility that calcareous sedimentation occurred earlier in the No. 2 section cannot be dismissed. Due to poor samples, Zonule K cannot be recognised, but is probably present.

(II) Palaeoecological comparison: Will be discussed briefly up the sequence.

Depositional environments in Zonules J, I, H, & E are similar in both wells. A larger percentage of arenaceous species is noted in Zonule D in the No. 2 section than was noted in the No. 1 section, thus shallower water conditions are suspected in the No. 2 section when comparing

Francisco Contractor

Zonule D in both sections. Deposition was in deeper water during

Zonule C with apparent shallowing in Zonule B where arenaceous forms

and milliolids are more common than in the No. 1 section, but planktonics

are still common. As in the No. 1 section, Zonule A was deposited in much

shallower water than in Zonules B to D. The absence of Globorotalia spp.

and a decrease in the percentage of planktonic forms suggest a regression

at the base of Zonule A. As discussed earlier, this regression appears to

have taken place earlier in the No. 2 section than in No. 1 section, as

Zonule A is more a biofacies expression than a consistent biostratigraphic

unit.

## (III) Comment on a sea floor sample from the No.2 well site in regard to the palaeoecology of the No.1 and No.2 sections.

Before operations commenced a sample was collected by a diver from the sea floor (depth 150.5 feet M. L. T.) at the site of Gippsland Shelf No.2 Well (Lat. 38°17'58" S, Long. 147°40'26" E). This sample was highly calcareous and rich in organic remains. The dominant animal remains were bryozoal with mollusca and foraminifera common. The general nature of the sample as well as the foraminiferal fauna is very similar to that described by Brady (1884) from "Challenger Station 162". The H. M. S. Challenger dredged this sample in 38 to 40 fathoms (228 to 240 feet) off East Moncoeur Island on the eastern side of Bass Strait. "Challenger Station 162" is 90 miles on a bearing of 223° from Gippsland Shelf No.2 Well.

Both samples are rich in milliolids, polymorphinids and arenaceous species. Milliolids dominate the Gippsland Shelf sample. Both samples contain what I would consider as a "shallow water fauna" in a mid-Tertiary sample. Thus for the Gippsland and Bass Basins, my use of "shallow water fauna" implies deposition in 240 feet or less of water depth.

A interesting feature of the Gippsland Shelf No. 2 sea floor sample is the rarity of planktonic forms (less than 5% of total foraminiferal fauna) and the complete absence of Globorotalia spp. Brady (l.c) does not note planktonic species from "Challenger Station 162", but he does not give a comprehensive list for this station. This rarity of planktonic forms

may be due to the deflection of the Eastern Australian Current by the wide continental shelf, south of the Gippsland coast.

Zonule A faunas in both sections are similarly constituted to that of the sea floor sample at the No.2 site as well as "Challenger Station 162". Planktonics are rare and Globorotalia spp. are absent in Zonule A. It can be concluded that Zonule A was deposited in 240 feet or less of water depth, and that oceanic currents did not directly flow over the depositional sites. The factors inhibiting the oceanic currents are unknown, although there may have been a wide continental shelf.

No other fauna in either section is directly comparable to the sea floor samples.

## REFERENCES

- BRADY, H. B., 1884. Report on the Foraminifera dredged by
  H. M. S. Challenger, during the years 1873-1876.
  Reports of Scientific Results of the voyage of H. M. S.

  Challenger, Vol. IX (Zoology).
- JENKINS, D.G., 1960. Planktonic foraminifera from the Lakes Entrance Oil Shaft, Victoria, Australia. Micropaleontology, 6 (4): 345-371.
- TAYLOR, D. J., 1965. The mid-Tertiary foraminiferal sequence ESSO Gippsland Shelf No. 1 Well. Geol. Surv. Vict., unpubl. Sep. 16/1965.

BY David TAYLOR

DATE 16 April 1971

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WELL NAME SARRACOUTS -Z

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COMMENTS:

Note: If highest or lowest data is a 3 or 4, then an alternate 0, 1, 2 highest or lowest data will be filled in if control is available.

If a sample cannot be interpreted to be one zonule, as apart from the other, no entry should be made.

O SWC or Core - Complete assemblage (very high confidence).

1 SWC or Core - Almost complete assemblage (high confidence).

2 SWC or Core - Close to zonule change but able to interpret (low confidence).

3 Cuttings - Complete assemblage (low confidence).

4 Cuttings - Incomplete assemblage, next to uninterpretable or SWC with depth suspicion (very low confidence).

Date	Revised	consultivativativa varionistikas (ilikus) varionistikas (ilikus) varionistikas (ilikus) (ilikus) varionistikas	
Ву			

DATE

WELL NAME BARRACOUTA - 2

ELEVATION

+31 feet

Ţ.			HI	GHEST	DATA		<del></del>	LOW	EST I	DATA		·
AGE		PALYNOLOGIC ZONES	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time
LO.	<u>P</u> .	tuberculatus										
-	U.	N. asperus										
•	М.	N. asperus .	3418	1				3590	2	3575	1	
1000 1000 1000 1000	L.	N. asperus		•								
NE	<u>P</u> .	asperopolus										
EOCENE	υ.	M. diversus										
	М.	M. diversus										
	L.	M. diversus	ъ									
NE	υ.	L. balmei ···	-									
PALEOCENE	L.	L. balmei			·							
PAI	Ţ.	longus										
	I.	<u>lilliei</u>										
g Eous	<u>N</u> .	senectus										
r y Cret <sub>en</sub> eous	<u>c</u> .	trip./T.pach.										
8	<u>c</u> .	distocarin.										
	T.	pannosus		·.								
		CRETACEOUS										
PR	E-CR	RETACEOUS					·					

COMMENTS.	Deflandrea	extensa	Dinoflagellate Zone	3569 (1)	
			<b>3</b>		
					9
	•				en en el el el en el en el en
					<del></del>

RATINGS:

- O; SWC or CORE, EXCELLENT CONFIDENCE, assemblage with zone species of spores, pollen and microplankton.
- 1; SWC or CORE, GOOD CONFIDENCE, assemblage with zone species of spores and pollen or microplankton.
- 2; SWC or CORE, POOR CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.
- 3; CUTTINGS, FAIR CONFIDENCE, assemblage with zone species of either spore and pollen or microplankton, or both.
- 4; CUTTINGS, NO CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If a sample cannot be assigned to one particular zone, then no entry should be made. Also, if an entry is given a 3 or 4 confidence rating, an alternate depth with a better confidence rating should be entered, if possible.

DATA RECORDED BY: L.ES./ADP.	DATE June 1971; Dec. 1971
DATA REVISED BY: A.D.P.	DATE <u>Jan. 1975.</u>

GIPPSTAND	TE
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WELL NAME

BARRACOUTA -2

ELEVATION

+ 31 feet

107	70.45.378.03.007.0	HIGHEST DATA LOWEST DATA								anganijanja anganjeritika selekarah ini. Dan s	
	PALYNOLOGIC ZONES	Preferred Depth	Rtg	Alternate Depth	Rtg	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 vay time
MIOG.	T. bellus								`		
	P. tuberculatus	manusimperaturum asyndi ahi al-bibliotic, soomata		насаван комо листоправ в до транцион (да царанования).					, et emilyeparkere tekse indis sidak 1971 i te miss s	enin memuh ti nasan	atrametriciscolar (************************************
1	U. N. asperus	manangangangan da sejamen yang mananan selamin merupakan selami Sejamen da selamin		regar regaria, de sentido de propriosa del tradación tente de tente e entre el como de tente					anti-territoria (parade territoria de managenta aprimenta de mise, mene cui	er komfoligi (* 1865) francej geron 1 augustu - 1 augu	anna i tara e i i i i i i i i i i i i i i i i i i
	L. N. aspecus	3418	2			a	3590	2	magadi g jain sammigadi saanan yo ngangagaya kamatan sa sa	- Shraderina medicina ma	رات «ماد» در الدول الموادر الم
EOCENE	r. asperopolus	- were the second of the secon		గాలాయుడ్తున్నా ఈ కాక్షకులో జెద్దా ఆస్తా - రాగా సింత్ కిందికేషుతాయేదాలో 'ఎక్.' చా			with growing committee are supported for the ten		uur kan sakalis di un kaysini kalen vivalis ama fishikis viva	eran a mineralizar.	erwhiau accessifficach ar
E	U. M. diversus			nagon na ringanga NGC/4 ng pangaganananan na n		a pictural propries of the figure of the	. w handstaden of the triffs to jobs planetees (Smilliple at the		annatanjenskunsisklik spirrijpska triakyjs	were where the second	overdověhopo v pravozvatřa Hrisa, a F 🌤 víh
	L. M. diversus	ment of a proper property of the second seco		NA COMPANY AND			" dayle in F.J. Add Philh Williams stabilistics "Side is 40		our shelos som syrrale skiller aregula suppressione in	workers married consis	allian birmine o gyryania o'r ym New Ywy. 'n 1989 1880
LEO- ENE	L. balmei	en og spiggabenningsgriftskannels skillennisk bli.		NOVORO X X I III OROVO - TR OSOVI I ASSOCIATO NOVO NOVORNO NOVO NOVO NOVO NOVO NOVO		A CONTRACTOR OF THE CONTRACTOR	Control of the contro		ALF THE END HENDERS BUILDING TO THE SEASON	eerous "Wigdoog He	mana delingerior de manigliano e sodo pri d'A
	T. longus	رسان موسوعتها الله والمساورة والمساو		regger troons attributed o teageths as teached and benefits repossible for			ale or segme with realise project of the self-decision of			t distribute material distribute for	hadio dibergiaji sidi in monomento delevidenti
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	N. senectus	nn wa water melle was substantiable of the substant		na manggama, ni nahadir paggala interhetikan pag kana kahar kahar			Concept refers grave (a) - Physicians reference and the Assessment		and the state of t		or wholesers were the POINT FEET
	C. trip./T.pach.	man managan da managan					-time one minima is now emphasized between the			- FORE LANGE AND A	matericalism to conspicitly, and spirits in the
	C. distocarin.	en og skoloniske skips skrimere i der skips skrimere.		ersy, water washing open period of the control of t					Man, and a constant distributed algorithms by transport or	encoder hallower bloo	urtanen syunyayan yakir nokuntooktii t
	T. pennosus	man nyakungapah, Jakungaran nyakataya tahuntarka Ligopyakataba 1984a		The state of the s		NAMES TO THE OWNER, AND ADDRESS OF THE	and the street of the street o		an all talks stated or bloke states and another several con-	anny diang a dia bilangga ang a prisumm	ones and resourcement in the se
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	C. striatus	in has recorded direction as as infrareducing control of		and the state of the						والمعادلة	edomografiae de la electro de la
	U. C. hughesii	The state of the		no, har water 19: Hilling agramptiques har mign completions have be					The state of the s	The state of the s	naharing uppgression die der door day de V
	L. C. hughesii	u un despuis de communicación com communicación de commun		n diaman to de managangan alba e and and propagation debits		the control of the state of the				er over one production	erroupopros de darigo (entre e
	C. stylosus	a hagyanunga - Antaza (a. transas a		own nagywan whiten saga wak milaneling gloppinskild 1-100				-	drawny water, amount they replace consider year Makana a	awala wasan wasan	energy annual to a to a constant of the consta
Pre-Cretaceous		· vizzine vidi. Halphorhado utzint spinonante s zinte elementalistico.		iaa isa Ciribasor Majarassan Middillo arron middillo doktor			Anna anna anna anna anna anna anna anna			a securior de la secono	and an experiment of the control of

COMMENTS: Cuttings between 3600 and 4015 feet yielded inconclusive assemblages; most

likely still L. N. asperus (L. F.S.

RATINGS:

- O; SWC or CORE, EXCELLENT COMFIDENCE, assemblage with zone species of spores, pollen and microplankton.
  SWC or CORE, GOOD CONFIDENCE, assemblage with zone species of spores and
- pollen er microplankton.
- 2; SWC or CORE, POUR CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.
- 3; CUTTINGS, FAIR CONFIDENCE, assemblage with zone species of either spores and pollen or microplankton, or both.
- CUTTINGS, NO CONFIDENCE, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If a sample cannot be assigned to one particular zone, then no entry should be made. Also, if an entry is given a 3 or 4 confidence rating, an alternate depth with a ... better confidence rating should be entered, if possible.

DATE	RECORDED BY:	L.E.S./ A.D.P.	June 1971	
DATA	REVISTO BY:	checked, L.E.S.	Dec. 1971	

#### PE903964

This is an enclosure indicator page.

The enclosure PE903964 is enclosed within the container PE903963 at this location in this document.

The enclosure PE903964 has the following characteristics:

ITEM\_BARCODE = PE903964
CONTAINER\_BARCODE = PE903963

NAME = Barracouta 2 Well Card

BASIN = GIPPSLAND

PERMIT = PEP38

 $\mathtt{TYPE} = \mathtt{WELL}$ 

SUBTYPE = WELL\_CARD

DESCRIPTION = Barracouta 2 Well Card

REMARKS =

DATE\_CREATED =

DATE\_RECEIVED =

 $W_NO = W492$ 

WELL\_NAME = Barracouta-2

CONTRACTOR = Esso Australia Ltd CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

#### PE601529

This is an enclosure indicator page. The enclosure PE601529 is enclosed within the container PE903963 at this location in this document.

The enclosure PE601529 has the following characteristics:

ITEM\_BARCODE = PE601529
CONTAINER\_BARCODE = PE903963

NAME = Well Completion Log

BASIN = GIPPSLAND

PERMIT =

TYPE = WELL

SUBTYPE = COMPLETION\_LOG

DESCRIPTION = Well Completion Log Barracouta 2

REMARKS =

DATE\_CREATED = 02/07/1965

DATE\_RECEIVED =

 $W_NO = W492$ 

WELL\_NAME = Barracouta-2

CONTRACTOR = ESSO CLIENT\_OP\_CO = ESSO

(Inserted by DNRE - Vic Govt Mines Dept)

#### PE603682

This is an enclosure indicator page. The enclosure PE603682 is enclosed within the container PE903963 at this location in this document.

The enclosure PE603682 has the following characteristics:

ITEM\_BARCODE = PE603682
CONTAINER\_BARCODE = PE903963

NAME = Barracouta 2 Grapholog (Mud Log)

BASIN = GIPPSLAND

PERMIT = PEP38

TYPE = WELL

SUBTYPE = MUD\_LOG

DESCRIPTION = Barracouta 2 Grapholog (Mud Log)

REMARKS =

 $DATE\_CREATED = 2/07/65$ 

DATE\_RECEIVED =

 $W_NO = W492$ 

WELL\_NAME = Barracouta-2

CONTRACTOR = Core Laboratories Inc CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)