Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

DEPT. NAT. RES & ENV
PE906367

WELL SUMMARY

TAILOR-1 (W563)

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
						/	

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

LOCATION

W563

EARLIER FILES	LATER FILES	RECORDS DISPOSITION

AB[illegible] 32°S

COMPLETED 23-11-69. 148° 16' 25"E

TAILOR — I

ESSO. VIC L/5 T.D. 8498'. WD 251 KB 31.

563 GLOMAR III

- ✓ IES Run 1 2526 — 8436. Seperate logs 2" and 5" +1c
- ✓ BHCS/CAL 1. 2526 — 8400. " " 2" +1c " 5" +1c
- ✓ FDC/GR 1. 2526 (2000 GR) — 8436 " " 2" " 5"
- ✓ CDM 1. 2"+5" 2526 — 8437.
- ✓ FIT 1. Tests 1 — 3. +1c
- ✓ Core Lab Graphology 2550 — 8498
- ✓ Completion Coregraph Core No1 7932 — 7940
- ✓ Core Descriptions of No1. Esso
- ✓ " Analysis " " by BMR +1c
- ✓ S.W.C. Descriptions 2600 — 8418
- Completion Report (Copy pages for release)
- CUTTING DESCRIPTIONS

- ✓ ~~Oil~~ Show Description Core lab.
- ✗ Well Completion Log.
- Time Depth Curve 2000 — 8350 (Needs masking)
- ✗ Palaeontology Report by D. Taylor.
- ✗ Palynological " " E. Stover & A. D. Partridge
- ✗ Structure Map Latrobe Delta Topographic Surface.
- ✗ " " Top of Latrobe Group & After Drilling Picture.
- ✗ Cross Section of After Drilling Picture.
- Palynology Report ~~by~~ Revision by A. D. Partridge.

MINER

PRIMA
SCIEN

No cutting descriptions

TAILOR-1
(W563)

Well Summary Report

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Figures

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ATTACHMENT

CORE ANALYSIS REPORT PE906374

COMPLETION REPORT

563

ESSO STANDARD OIL (AUSTRALIA) LTD.

COMPLETION REPORT

CONFIDENTIAL

I - WELL DATA RECORD

Date June 23, 1970

LOCATION

WELL NAME	STATE	PERMIT or LICENCE	GEOLOGICAL BASIN	FIELD
TAILOR 1	VICTORIA	Victoria L-5	GIPPSLAND	NFWC

CO-ORDINATES	Lat.	Long.	X	Y	MAP PROJECTION	GEOGRAPHICAL DESCRIPTION
Surface	38°29'32"	148°16'25"	616,948	252,173	Australian Transverse Mercator	Offshore 6 miles west of Mackerel 6 mile SW of Halibut -1
Bottom Hole						

ELEVATIONS & DEPTHS

ELEVATIONS	WATER DEPTH	TOTAL DEPTH	Avg. Angle
Ground KB 31 RT Braden Head Top Deck Platform	251 FEET	M.D. 8498 FEET T.V.D.	
	PLUG BACK DEPTH	REASONS FOR P.B.	
	400 FEET	ABANDONMENT	

DATES

MOVE IN	RIG UP	SPUDDED
3.11.69	3.11.69	4.11.69
RIG DOWN COMPLETE	**RIG RELEASED**	**PROD.UNIT - Start Rigging Up**
23.11.69	23.11.69	
PROD.UNIT - Rig Down Complete	**I.P. ESTABLISHED**	

MISCELLANEOUS

OPERATOR	PERMITTEE or LICENCEE	ESSO INTEREST	OTHER INTEREST
ESSO	ESSO	50%	HEMATITE 50%

CONTRACTOR	RIG NAME	EQUIPMENT TYPE
GLOBAL MARINE	GLOMAR III	SHIP-SHAPE DRILLING VESSEL

TOTAL RIG DAYS	DRILLING AFE NO.	COMPLETION NO.	TYPE COMPLETION
20.1	239114		

LAHEE WELL CLASSIFICATION		
	Before Drilling	New Field Wildcat
	After Drilling	Abandoned unsuccessful New Field Wildcat.

P.M. COONEY
Geologist

WELL TAILOR-1

II	INITIAL PRODUCTION TEST				
Date	WELL COMPLETION AS: Oil Well _____		Gas Well _____	Dry Hole _____	
Choke size, inch			Calculated P.I.		
Length of Test			Calculated A.O.F.		
Oil, BPD			Perforations		
Water, BPD			Shut-In BHP		
Gas, MCFD			Flowing BHP		
Gas Liquids, BPD			Shut-In Tubing Press		
Gas-Oil Ratio			Flowing-Tubing Press		
Gravity, API			Flowing Temperature		

III	PERFORATING RECORD (Prod.test, Completion, DST, FIT)					
INTERVAL	HPF	TOTAL SHOTS	SERV. CO.	DIFF. PRESS.	PERFORATION FLUID	SIZE AND TYPE GUN

Engineer

WELL TAILOR 1

IV	CASING - LINER - TUBING RECORD						
Type	Size	Weight	Grade	Thread	No. Joints	Amount	Depth
Conductor	30"x20"	Pile Joint		Vetco	1	39.70	
	20"	94	H-40	Vetco	7	296.79	605
Surface	13-3/8"	54.5#	J-55	Butt.	57	2255.45	2526

V	CEMENT RECORD		
String	20"	13-3/8"	
Type of Cement	500 sx w/2% Gel & 500 sx w/2% $CaCl_2$	1100 sx w/2% Gel plus 550 sx Neat	
Number of FT^3	1395	2420	
Average weight of slurry	13.4/15.2	13.3/15.4	
Cement Top	Sea Floor	Sea Floor	
Casing Tested with	0	1500 psi	
Number of Centralizers	0	5	
Number of Scratchers	0	0	
Stage Collar etc.	0	0	
Remarks	Gel Prehydrated	Gel Prehydrated	

R.L. Wood
Engineer

VI. SUBSURFACE COMPLETION EQUIPMENT

DATE COMPLETED ______________

Schematic	Equipment Description	Length	Depth
			NOT APPLICABLE

____
Engineer

WELL TAILOR 1

VII SAMPLES, CONVENTIONAL CORES, SW CORES

INTERVAL	TYPE	RECOVERED	INTERVAL	TYPE	RECOVERED
2550 - 8498	Cuttings	Sampled every 10'.			
2600 - 8414	Sidewall Cores	30 shot 30 recovered			
7932 - 7942	Conventional	10'			

VIII WIRELINE LOGS AND SURVEYS (Incl. FIT)

Type & Scale	From To	Type & Scale	From	To
IES 2" and 5"	2526 - 8436			
FDC/GR " "	2526 - 8436 (GR to sea floor)			
BHCS " "	2526 - 8436			
CDM " "	2526 - 8436			
Velocity Survey	2000 - 8350			
FIT	7908, 7925, 7934 (Bridge in hole at 8436')			

P.M. COONEY
Geologist

WELL TAILOR-1

IX	FORMATION TOPS/Zones					
NAME	Tops		Gross Interval (ft)	Net Pay (ft).		REMARKS
	M.D.	Sub-sea		Gas	Oil	
Gippsland Fmn.	Sea Floor	- 251	6668			
Lakes Entrance Fmn.	6950	-6919	950			
Latrobe Group (L. balmei)	7900	-7869				

X GEOLOGIC ANALYSIS (Pre Drilling prognosis Vs actual results)

Pre-drilling: Tailor-1 is designed to test a faulted topographic feature of the unconformity surface of the Latrobe Group, and is a top of Latrobe play. Intra-Latrobe seals are not anticipated in the area. Effective closure of 130-150' is effected by the juxtaposition of overlying Lakes Entrance Formation marls and mudstones over the faulted block.

Age	Formation	Formation Top
	Water (245')	0'
Miocene	Gippsland Formation (sea floor)	245'
Oligocene	Lakes Entrance	7190'
Eocene	Latrobe Topographic Surface	7790'

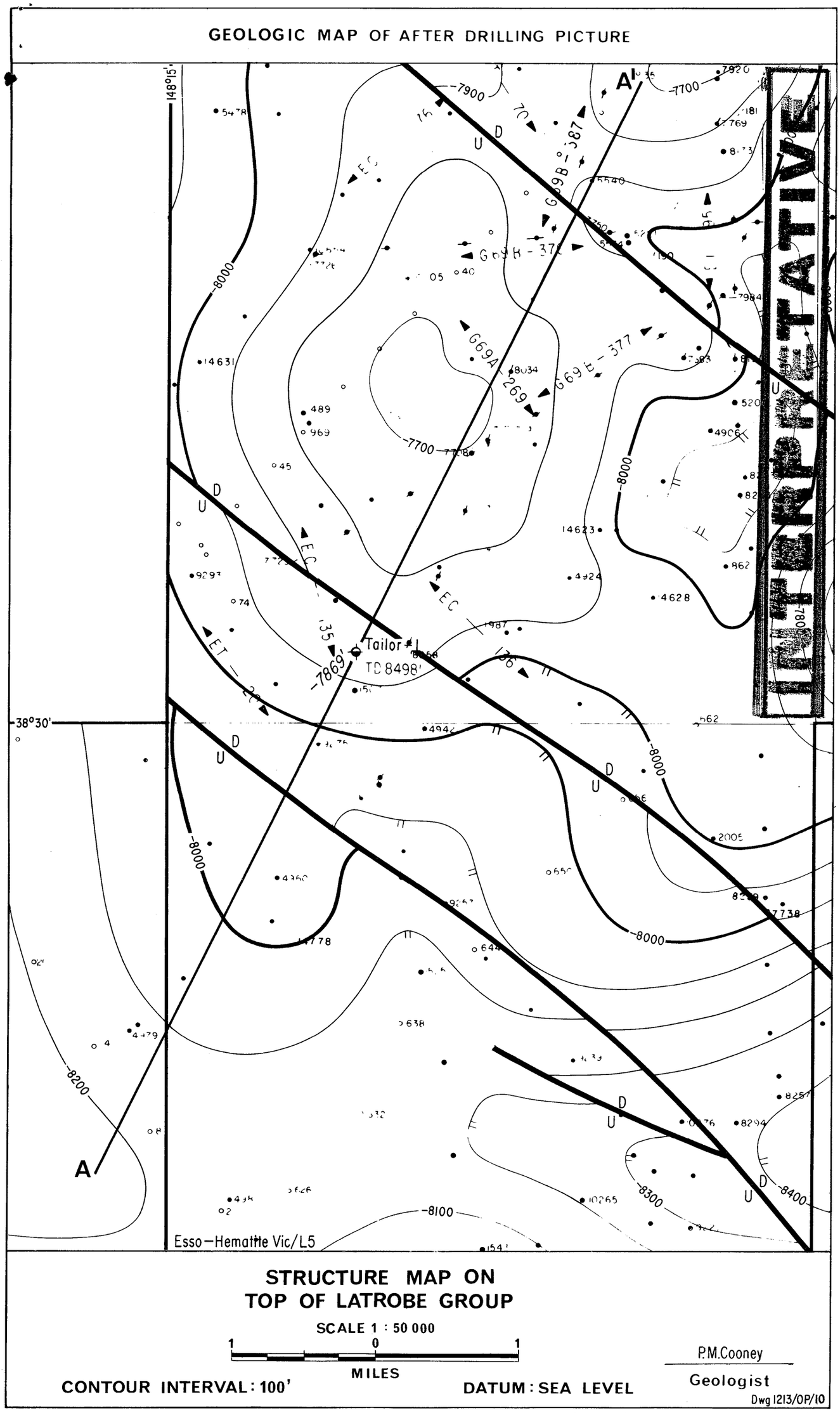
Depths from mean sea level; for drill depths add 31'.

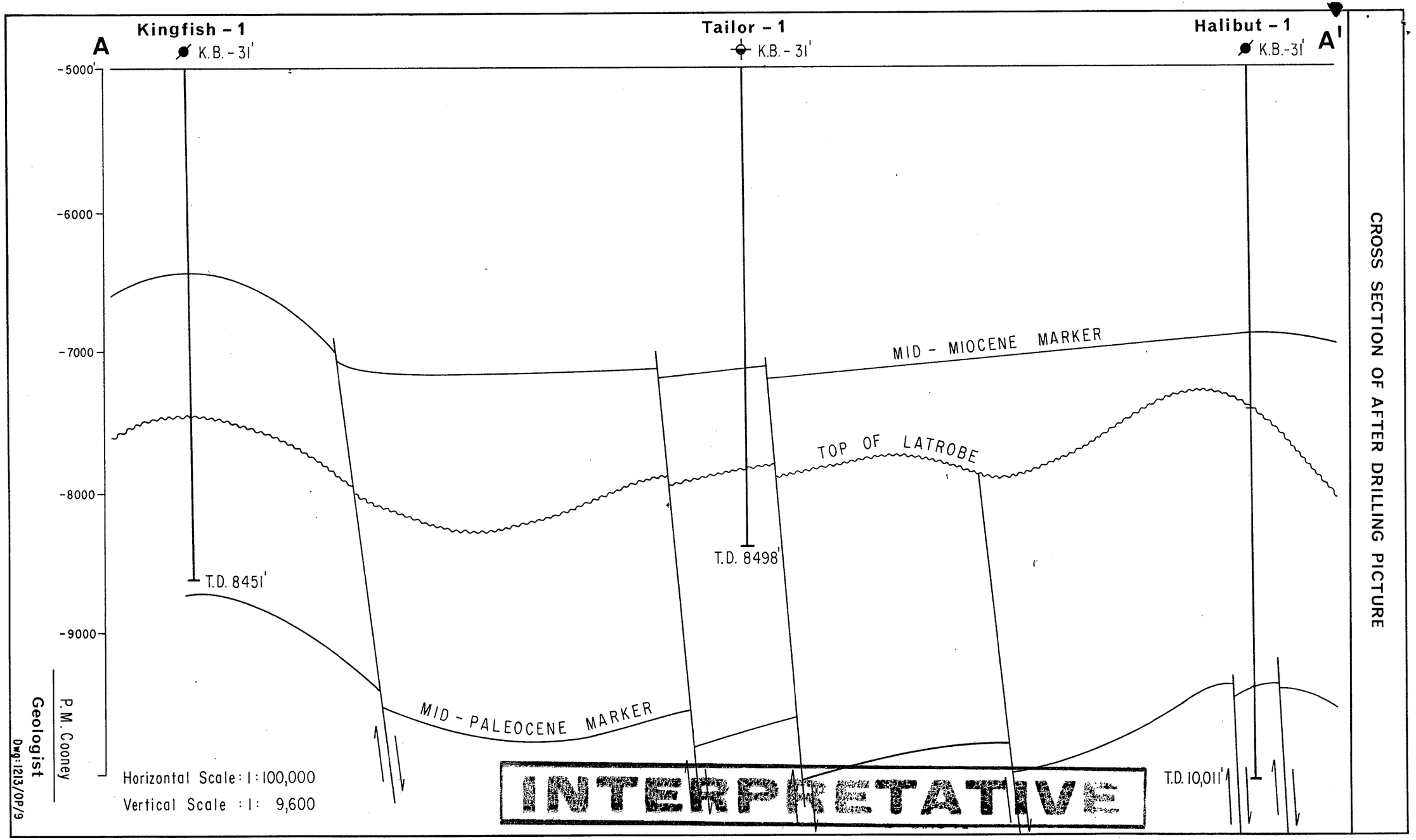
Post-drill: Formation tops as in section IX.

As predicted, the top of the Latrobe structure is a high side fault closure. A show of oil was encountered in tight shaley sands at the top of the Latrobe from 7900 to 7938.

P.M. Cooney
Geologist

WELL: **TAILOR-1**




A
A'
Kingfish – 1
K.B. – 31'
Tailor – 1
K.B. – 31'
Halibut – 1
K.B. – 31'
-5000'
-6000
-7000
-8000
-9000
MID – MIOCENE MARKER
TOP OF LATROBE
MID – PALEOCENE MARKER
T.D. 8451'
T.D. 8498'
T.D. 10,011'
Horizontal Scale: 1:100,000
Vertical Scale : 1: 9,600
INTERPRETATIVE
CROSS SECTION OF AFTER DRILLING PICTURE
WELL: Tailor – 1
P.M. Cooney
Geologist
Dwg:1213/OP/9

LITHOLOGY

CUTTINGS DESCRIPTIONS

Tailor-1
(C N Curnow)

Samples prior to 6040m from the casing shoe were logged by CoreLab personnel and consisted predominantly of a light grey, buff in part, marl, grey very fossiliferous. This marl becomes a mudstone, very calcareous gradationally and the nomenclature used is one of subtly varying degrees.

DEPTH	DESCRIPTION
6040-6340	Light-medium grey marl or very calcareous mudstone - soft to firm; very fossiliferous-bryozoa, foraminifera, poorly pyritized. This grades occasionally to a clayey skeletal micritic limestone trace glauconite throughout; trace white very soft marl.
6340-6350	Light grey mudstone as above with trace glauconitic rich shales.
6350-6390	Light grey mudstone as above 60%. Cream coloured hard, dense, brittle micritic limestone (dolomitic), very fossiliferous, pyrite, with angular fragmentation, faint bedding indicated by recrystallised skeletal debris having parallel orientation.
6390-6420	60% mudstone (very calcareous) (or marl) as above. 20% micritic limestone as above. Trace quartz grains in aggregate of pyritic cement. Trace detrital coal and amber.
6420-6450	100% mudstone as above. Trace cream micritic limestone, pyrite.
6450-6650	100% mudstone as above. Samples very fossiliferous having abundant foraminifera, bryozoa, echinoid spines, in part pyritized.
6650-6710	Contaminated samples - not circulated before trip. Mudstone as above.
6710-6740	Poor returns - Marl, light grey, very soft, slightly sandy, fossiliferous.
6740-6770	Marl as above.
6770-6800	90% very calcareous mudstone as above. 10% white , very soft marl as above.
6800-6810	60% mudstone as above. 20% limestone, whilte, fire-medium, crystalline, strongly glauconitic. Trace gypsum, pyrite.

DEPTH	DESCRIPTION
6810-6820	70% mudstone as above. 20% limestone as above. 10% white marl as above. Trace cream coloured hard micritic limestone as above.
6820-6830	80% mudstone. 10% limestone. 10% marl.
6830-6840	100% mudstone as above; abundant foraminifera, pyrite.
6840-6850	75% mudstone as above. 15% unconsolidated quartz sandstone, fine-medium grained hard to well indurated, clear. 10% limestone, as above.
6850-6860	70% mudstone as above. 20% limestone as above. 10% unconsolidated sandstone. Abundant coarse pyrite.
6860-6870	65% mudstone. 15% white marl.
6870-6880	80% white marl, soft, poorly glauconitic, in part sandy. 20% mudstone as above.
6880-6920	60% marl as above. 40% mudstone.
6920-6940	90% mudstone as above. 10% marl as above. Trace well rounded quartz, unconsolidated, fine-medium, pyrite.
6940-6950	60% mudstone. 40% marl. Trace quartz.
6950-6960	20% marl. 30% micritic limestone as above. 50% mudstone.

The above samples differ from the following in that they were rounded, non-fissile, light grey and occasionally buff.

CUTTINGS DESCRIPTIONS

Tailor-1

The following samples are predominantly of a mudstone very similar to that above, but being darker, platier and more splintery, ie. better fissility. This point has been tentatively taken as the Top of the Lakes Entrance Formation.

DEPTH	DESCRIPTION
6960-6970	90% mudstone. 10% light grey limestone, crystalline, glauconitic. See above description. Trace pyrite, quartz.
6970-7010	90% light grey mudstone as above. 10% white marl as above. Abundant pyrite.
7010-7030	95% light grey mudstone as above. 5% medium dark grey, not so calcareous, platy - partly green become green-grey (? more glauconitic).
7030-7050	50% mudstone as above. 50% white marl. Abundant pyrite. Trce quartz, fossiliferous.
7050-7150	Light grey, soft to firm, calcareous. Mudstone as above slightly glauconitic.
7150-7170	85% mudstone as above. 15% marl as above.
~~7170-7400~~	~~Mudstone as above.~~ Light grey to grey-green, pyrite disseminated, fissite to splintery - very glauconitic in part, fossiliferous both debris and whole foraminifera, bryozoa.
7400-7440	85% mudstone) trace pyrite, glauconite, micritic limestone. 15% marl)
7440-7580	100% mudstone.
7580-7640	90% light to medium grey green mudstone as above. 10% buff coloured, softer, calcareous, fossiliferous mudstone, pyrite, slightly glauconitic.

DEPTH	DESCRIPTION
7640-7670	50% light to medium grey green mudstone as above. 50% buff mudstone as above.
7660-7680	40% grey mudstone as above. 40% buff mudstone as above. 20% marl white, soft fossiliferous.
7680-7790	100% mudstone mudstones as above two varieties. Trace marl, etc.
7790-7800	85% mudstone. 15% marl.
7800-7880	100% mudstones. Trace marl, pyrite, fossiliferous, becoming slightly more glauconitic with depth.
7880-7890	As above with well crystallized pyrite lumps.
7890-7900	As above.
7900-7910	90% mudstones. 10% unconsolidated, coarse grained to pebbles. Subrounded-frosted, occasionally stained, pyrite.
7910-7920	As above.
7932-7942	Core #1.
7942-8498	~~Monotonous sequence of cutting samples~~ having 50/50 Lakes Entrance cavings and Sandstone: unconsolidated clear to frosted grains bimodal as in core-fine grained fraction angular to round well sorted: Coarse fraction - generally medium to very coarse and pebbly, frosted, well rounded, pyrite. Most of the larger grains show fracturing - probably bit damage to individual grains rather than breaking of a cemented sand. Trace only of carbonaceous siltstone, brown, non-calcareous, micaceous slightly sandy, and coal, hard, black, vitreous.

PALYNOLOGY & PALAEONTOLOGY

INTERPRETATIVE

Palynology of Tailor No. 1

By

P.R. Evans

Palyn. Rept. 1970/7

March, 1970.

INTRODUCTION

Samples of sidewall cores and of core 1 from Tailor No. 1 were received for palynological examination in November 1969. Provisional reports of results were issued in December 1969. Observations have been checked for the purposes of the present report with resultant modification to the age of the uppermost Latrobe sequence.

SUMMARY

Sample	Depth (ft.)	Age	Zone
swc 15	7896	Palaeocene	Lower *M. diversus*
" 14	7901	"	Not processed
" 12	7910	"	"
" 11	7918	"	Lower *M. diversus*
core 1	7941 *	"	Upper *L. balmei*
swc 6	7962	"	" "
" 4	8064 *	"	Upper *L. balmei*
" 2	8318 *	"	*L. balmei* undiff.
" 1	8418	"	Not processed.

COMMENT

Yields from the *M. diversus* Zone were very small. The uppermost sample, at 7896 ft, contained mainly dinoflagellates and its age is based largely on these fossils (LES ident.).

Dinoflagellates were present in varying abundance in samples marked (*) in the *L. balmei* Zone.

There is no palynological evidence to suggest a break between the *L. balmei* and *M. diversus* Zones.

Samples marked "not processed" were too broken to be cleaned of drilling mud or too sandy to yield fossils.

BASIN GIPPSLAND DATE

WELL NAME TAILOR-1 ELEVATION +31 FEET

AGE	PALYNOLOGIC ZONES	HIGHEST DATA					LOWEST DATA				
		Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time
MIO.	P. tuberculatus										
MIO.	U. N. asperus										
MIO.	M. N. asperus										
MIO.	L. N. asperus	7896	2				7896	2			
EOCENE	P. asperopolus										
EOCENE	U. M. diversus										
EOCENE	M. M. diversus										
EOCENE	L. M. diversus	7918	1				7918	1			
PALEOC	U. L. balmei	7941	0				8318	0			
PALEOC	L. L. balmei										
PALEOC	T. longus										
CRETACEOUS	T. lilliei										
CRETACEOUS	N. senectus										
CRETACEOUS	C. trip./T.pach.										
CRETACEOUS	C. distocarin.										
CRETACEOUS	T. pannosus										
EARLY CRETACEOUS											
PRE-CRETACEOUS	T.D.	8498									

COMMENTS: Wetzeliella homomorpha Dinoflagellate Zone 7941 (0) – 8318(0)

RATINGS:
0; 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: LES/ADP DATE June 1971; Dec. 1971.

DATA REVISED BY: ADP DATE Jan. 1975.

FORM No R 315 12/72

Rec. 6-4-79 VDME

PALYNOLOGY DATA SHEET

BASIN: GIPPSLAND ELEVATION: KB: 31 + GL:

WELL NAME: TAILOR-1 TOTAL DEPTH:

AGE	PALYNOLOGICAL ZONES	HIGHEST DATA					LOWEST DATA				
		Preferred Depth	Rtg	Alternate Depth	Rtg	Two Way Time	Preferred Depth	Rtg	Alternate Depth	Rtg	Two Way Time
NEOGENE	*T. pleistocenicus*										
	M. lipsis										
	C. bifurcatus										
	T. bellus										
PALEOGENE	*P. tuberculatus*										
	Upper *N. asperus*										
	Mid *N. asperus*										
	Lower *N. asperus*	2407m	2				2411m	2			
	P. asperopolus	2413m	2	2416m	0		2416m	0			
	Upper *M. diversus*										
	Mid *M. diversus*										
	Lower *M. diversus*										
	Upper *L. balmei*	2420m	1								
	Lower *L. balmei*										
LATE CRETACEOUS	*T. longus*										
	T. lilliei										
	N. senectus										
	U. *T. pachyexinus*										
	L. *T. pachyexinus*										
	C. triplex										
	A. distocarinatus										
EARLY CRET.	*C. paradoxus*										
	C. striatus										
	F. asymmetricus										
	F. wonthaggiensis										
	C. australiensis										
PRE-CRETACEOUS											

COMMENTS:

CONFIDENCE RATING:

0: 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 spores and pollen or microplankton, or both.
4: Cuttings, No Confidence, assemblage with non-diagnostic spores, pollen and/or microplankton.

NOTE: If an entry is given a 3 or 4 confidence rating, an alternative depth with a better confidence rating should be entered, if possible. If a sample cannot be assigned to one particular zone, then no entry should be made, unless a range of zones is given where the highest possible limit will appear in one zone and the lowest possible limit in another.

DATA RECORDED BY: H.E. STACY DATE: 23 FEBRUARY 1979

DATA REVISED BY: DATE:

563

BASIN GIPPSLAND BASIN BY David TAYLOR

WELL NAME TAYLOR-1 DATE 22 April 1971 ELEV. +31'

Foram-Zonules

		Highest Data	Quality	2 Way Time	Lowest Data	Quality	2 Way Time
MIOCENE	A						
	Alternate						
	B						
	Alternate						
	C				3180	3	
	Alternate						
	D_1	3200	1		5700	1	
	Alternate						
	D_2	5800	3		6810	3	
	Alternate						
	E	6900	3		7000	3	
	Alternate	6940	1				
	F	7000	3		7150	3	
	Alternate						
	G	7200	1		7250	3	
	Alternate				7200	1	
	H_1	7300	3		7500	2	
	Alternate	7400	0				
	H_2	7600	3		7650	3	
	Alternate						
OLIGOCENE	I_1						
	Alternate	7700	3		7750	3	
	I_2						
	Alternate						
	J_1	7800	3		7880	1	
	Alternate						
	J_2						
	Alternate						
EOC.	K						
	Alternate						
	Pre K						

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.

0 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 _____

By _____

BASIN GIPPSLAND DATE June 1971

WELL NAME TAILOR -1 ELEVATION +31 feet

AGE	PALYNOLOGIC ZONES	HIGHEST DATA					LOWEST DATA				
		Preferred Depth	Rtg	Alternate Depth	Rtg	2 way time	Preferred Depth	Rtg.	Alternate Depth	Rtg.	2 way time
MIOC.	T. bellus										
MIOC.	P. tuberculatus										
EOCENE	U. N. asperus										
EOCENE	L. N. asperus										
EOCENE	P. asperopolus										
EOCENE	U. M. diversus										
EOCENE	L. M. diversus	7896 (7885)	1			1.733	7918 (7907)	1			1.737
PALEOCENE	L. balmei	7941 (7930)	1			1.741	8318 (8307)	1			1.805
PALEOCENE	T. longus										
LATE CRETACEOUS	T. lilliei										
LATE CRETACEOUS	N. senectus										
LATE CRETACEOUS	C. trip./T.pach.										
LATE CRETACEOUS	C. distocarin.										
LATE CRETACEOUS	T. pannosus										
EARLY CRETACEOUS	C. paradoxa										
EARLY CRETACEOUS	C. striatus										
EARLY CRETACEOUS	U. C. hughesii										
EARLY CRETACEOUS	L. C. hughesii										
EARLY CRETACEOUS	C. stylosus										
Pre-Cretaceous											

COMMENTS: T.D. 8498' (1.839)

RATINGS:
0; 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 spores 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.

DATE RECORDED BY: L.E. Stover / A.D.Partridge DATE June 1971.

DATA REVISED BY: CHECKED; L.E.S. DATE Dec. 1971

CORE ANALYSIS

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

December 23, 1969

Esso Standard Oil (Australia) Ltd.
G. P. O. Box 4249
Sydney, New South Wales

Attention: Mr. A. C. Pierce

Subject: Core, Mud and Cuttings Analysis
Tailor No. 1 Well
Gippsland Basin
Victoria, Australia

Gentlemen:

A Core Laboratories Australia combination drill cuttings and core analysis unit was present at the site of the subject well during drilling operations from 2550 feet to the total depth of 8498 feet.

Using standard equipment plus a Programmed Hydrocarbon Detector, Beckman Chromatograph and shale density kit, the drilling fluid was monitored continuously for hydrocarbon content and the drill cuttings were checked at regular intervals for gas and oil content and lithology. All core analysis was performed by conventional procedures. The results of these operations are shown on the accompanying Grapholog and Coregraph.

Hydrocarbon Shows

Minor hydrocarbons were detected in one zone during the drilling of this well. Details of this show are included on the attached Show Report No. 1.

Core Analysis

Core Analysis of the zone 7910 to 7940 feet indicated satisfactory reservoir conditions with a very poor oil saturation. Formation interval Tests Nos. 1 to 3 confirmed that this zone is not capable of oil production.

We sincerely appreciate this opportunity to have been of service, and trust that the information furnished in this report and during drilling operations has assisted in the evaluation of this well.

Very truly yours,

Core Laboratories Australia Ltd.

Joe B McAdams (P)

Joe B. McAdams
Resident Manager

JBM:dl
12 cc. - Addressee

SHOW REPORT
CL-403A

CORE LABORATORIES AUSTRALIA LTD.

Operator ESSO STANDARD OIL (AUSTRALIA) LTD
Well TAILOR NO 1 AUSTRALIA State VICTORIA

No. 1
Date 16 NOV 69
CLANo. EL-155-201

DESCRIPTION OF SHOW:

Show Interval 7910' To 7940'
Color of Flu BLUE WHITE Intensity of Flu TRACE - SPOTTY
% Sand-Lime in Sample 30 % of Sand-Lime w/Flu 5
Cut: Visual NIL Flu INSTANT BLUE
Lithology of Section: SANDSTONE: CLR-FROSTED, V CRSE TO FINE GRN, SUB RND TO WELL RND, UNCONSOLIDATED, POORLY SORTED.

GAS UNITS:

	HOT WIRE			P/H/D (CHROMATOGRAPH)					
	Hi	Lo	Mud	Methane C_1	Ethane (+) C_2 (+)	Ethane C_2	Propane C_3	Butane C_4	Pentane C_5
From:	2	-	From:	200	-	-	-	-	-
To:	5½	-	To:	550	TR	TR	-	-	-
Cuttings			Cuttings						
From:	0	-	From:		NOT	RECORDED			
To:	16	-	To:		NOT	RECORDED			

ADDITIONAL INFORMATION:

Bit Condition — New ____ Worn X ____ Dull ____
Drilling Break — Yes ____ No X
Average Drilling Rate — Controlled Rate ____ Before Break 0.8 ____ During Break 0.7
Weight on Bit Changes — Increased ____ Decreased ____ No Change X
Circulated Out — Yes X No ____ Depth CO NOTE *
Chloride Changes — Before ____ After NO CHANGE

MUD EVALUATION:

Minor X Poor ____ Fair ____ Good ____ Remarks:
* DRILLING AND CIRCULATING IN ANTICIPATION OF HYDROCARBON ZONE

FINAL EVALUATION: (It is recognized that other information such as other shows, side wall samples, etc. are necessary for the best evaluation. Consequently, this final opinion will be given at the end of the job after this data is available.)

Petroleum Technology Laboratory, Bureau of Mineral Resources, Geology and Geophysics, Canberra

TAILOR. NO
WA-21-L
2nd Copy

CORE ANALYSIS RESULTS

NOTE: (i) Unless otherwise stated, porosities and permeabilities were determined on two plugs (V&H) cut vertically and horizontally to the axis of the core. Ruska porosimeter and permeameter were used with air and dry nitrogen as the saturating and flowing media respectively. (ii) Oil and water saturations were determined using Soxhlet type apparatus. (iii) Acetone test precipitates are recorded as Neg., Trace, Fair, Strong or Very Strong.

WELL NAME AND NO. Tailor No. 1

DATE ANALYSIS COMPLETED June 28/1973

Core No.	Sample Depth		Lithology	Average Effective Porosity two plugs (% Bulk Vol.	Absolute Permeability (Millidarcy)		Average Density (gm/cc.)		Fluid Saturation (% pore space)		Core Water Salinity (p.p.m. NaCl)	Acetone Test	Fluorescence of freshly broken core	Sample "cut" in tetrachlorethylene
	From	To			V	H	Dry Bulk	Apparent Grain	Water	Oil				
1	7937	7937'4"	Sst; f.gr. c.gr. slty carb.	to 20.7	270*	295*	2.10	2.65	5.3	1.6	N.D.	Trace	Nil	Nil
1	7941' 6"	7942	As above	, 21.7	600*	231*	2.11	2.64	7.3	4.6	N.D.	Trace	Nil	Nil

Remarks: - Note: *Samples mounted in wax.

General File No. 72/2914
Well File No. _____

ENCLOSURES

PE906368

This is an enclosure indicator page.
The enclosure PE906368 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906368 has the following characteristics:

ITEM_BARCODE	= PE906368
CONTAINER_BARCODE	= PE906367
NAME	= Species List Cover Sheet
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= DIAGRAM
DESCRIPTION	= Cover Sheet for Tailor-1 Foraminifera Species Lists
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE906369

This is an enclosure indicator page.
The enclosure PE906369 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906369 has the following characteristics:

ITEM_BARCODE	= PE906369
CONTAINER_BARCODE	= PE906367
NAME	= Species List, 1 of 4
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= DIAGRAM
DESCRIPTION	= Foraminifera Species List for Tailor-1, 1 of 4
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE906370

This is an enclosure indicator page.
The enclosure PE906370 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906370 has the following characteristics:

ITEM_BARCODE	= PE906370
CONTAINER_BARCODE	= PE906367
NAME	= Species List, 2 of 4
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= DIAGRAM
DESCRIPTION	= Foraminifera Species List for Tailor-1, 2 of 4
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE906371

This is an enclosure indicator page.
The enclosure PE906371 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906371 has the following characteristics:

ITEM_BARCODE	= PE906371
CONTAINER_BARCODE	= PE906367
NAME	= Species List, 3 of 4
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= DIAGRAM
DESCRIPTION	= Foraminifera Species List for Tailor-1, 3 of 4
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE906372

This is an enclosure indicator page.
The enclosure PE906372 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906372 has the following characteristics:

ITEM_BARCODE	= PE906372
CONTAINER_BARCODE	= PE906367
NAME	= Species List, 4 of 4
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= DIAGRAM
DESCRIPTION	= Foraminifera Species List for Tailor-1, 4 of 4
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE906373

This is an enclosure indicator page.
The enclosure PE906373 is enclosed within the container PE906367 at this location in this document.

The enclosure PE906373 has the following characteristics:

ITEM_BARCODE	= PE906373
CONTAINER_BARCODE	= PE906367
NAME	= Time-Depth Curve
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Time-Depth Curve (interpretative) for Tailor-1
REMARKS	=
DATE_CREATED	= 8/09/71
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603782

This is an enclosure indicator page.
The enclosure PE603782 is enclosed within the container PE906367 at this location in this document.

The enclosure PE603782 has the following characteristics:

ITEM_BARCODE	= PE603782
CONTAINER_BARCODE	= PE906367
NAME	= Well Completion Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= COMPLETION_LOG
DESCRIPTION	= Completion Well Log for Tailor-1
REMARKS	=
DATE_CREATED	= 23/11/69
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	=
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603783

This is an enclosure indicator page.
The enclosure PE603783 is enclosed within the container PE906367 at this location in this document.

The enclosure PE603783 has the following characteristics:

ITEM_BARCODE	= PE603783
CONTAINER_BARCODE	= PE906367
NAME	= Mud Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Mud Log (Grapholog) for Tailor-1
REMARKS	=
DATE_CREATED	= 20/11/69
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603784

This is an enclosure indicator page.
The enclosure PE603784 is enclosed within the container PE906367 at this location in this document.

The enclosure PE603784 has the following characteristics:

ITEM_BARCODE	= PE603784
CONTAINER_BARCODE	= PE906367
NAME	= Completion Coregraph
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Completion Coregraph for Tailor-1
REMARKS	=
DATE_CREATED	= 30/11/69
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	= CORE LABORATORIES
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603785

This is an enclosure indicator page.
The enclosure PE603785 is enclosed within the container PE906367 at this location in this document.

The enclosure PE603785 has the following characteristics:

ITEM_BARCODE	= PE603785
CONTAINER_BARCODE	= PE906367
NAME	= Continuous Dipmeter Log
BASIN	= GIPPSLAND
PERMIT	= VIC/L5
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Continuous Dipmeter Log for Tailor-1
REMARKS	=
DATE_CREATED	= 19/11/69
DATE_RECEIVED	=
W_NO	= W563
WELL_NAME	= TAILOR-1
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)