

CONTENTS...

APPENDIX:

1.0 WELL SUMMARY

- 1.1 Well Details
- 1.2 Geology
- 1.3 Lithology
- 1.4 Structure
- 1.5 Summary
- 1.6 General Drilling and Completion Data

2.0 CORE ANALYSIS

- 2.1 Description of Cores
- 2.2 Core Analysis results

3.0 PALYNOLOGY

4.0 TEST DATA

- 4.1 Formation Interval Tests

5.0 SUMMARY OF RESULTS

6.0 Sub-Surface Combination Survey

ENCLOSURES:

- 1) Mud Log
- 2) IES Log
- 3) Logs and Log Analysis
- 4) Drilling Time Graph
- 5) Well Location Map – Fig 1
- 6) Stratigraphic Cross Section – Fig 2
- 7) Structure Latrobe Topographic Surface – Fig 3
- 8) Structure on V Reflector – fig 4
- 9) Structure on top of Paleocene – Fig 5

1.0 Well Summary:

WELL SUMMARY - ESSO MARLIN A-6

Type of Well: Deeper pool wildcat.
Purpose of Well: The primary objective of the well was to test the Upper Cretaceous gas sands which blew out and were not tested during drilling operations in Marlin-2. Secondary objectives were to obtain additional information about the Eocene and Paleocene reservoirs and to test the Lower Cretaceous.

Well Statistics -

Location: Directional hole drilled through Conductor No. 22 of the Marlin 'A' Platform located Latitude 38° 13' 56" S., Longitude 148° 13' 16" E to a bottom hole location 3305'S 3992'E of surface location. (Max deviation - 43°)
Elevation: Rotary table 82' above mean sea level.
Water Depth: 200'.
Spudded: August 11, 1968.
Completed: May 28, 1969.
Total Depth: 11,068' MD (plugged back to 5842'). 9425' TVD
Well Status: Completed as gas well in Eocene sand N-1.3.
Casing: 13 3/8" @ 3324'
9 5/8" @ 10,846'.

Perforations: 5402-5432' 6 spf. *4914*
Plugs: 10880-10600'; 100 Sx
10250-9750'; 175 Sx
9450-9150'; 106 Sx
6746-6446'; 100 Sx
Cores: Four conventional cores were cut in the Paleocene. Details are as follows:

Core No.	Interval	Cut	Recovered
1.	8224-8254	30'	30'
2.	8254-8314	60'	49'
3.	9300-9328	28'	28'
4.	9328-9355	27'	27'

A total of 16 sidewall cores were recovered from 17 attempts in interval 6092-5492'.

Mud Logs: The well was logged by Core Lab. from 3330' to total depth. Copies of the Completion Coregraph and Mudlog are attached.

Electrical Logs: *IES* Induction Electric log 433-10,849'
FD-GR Formation Density-Gamma Ray log 1012' 3324-10,830'
S-GR Sonic-Gamma Ray log 433-10,829'
GR-N Gamma Ray-Neutron log 3324-10,845' 3300'

Hydrocarbons: The hydrocarbon bearing intervals encountered in the Latrobe Delta Complex are summarized below. These intervals are

Note:- All depths and intervals corrected to vertical values.

N-1 (Gas)	Top	-4540'	1383
	Base	-4794'	
	Gross Gas column	254'	
	Net Gas sand	165'	

M-1 (Gas)	Top	-5001'	
	Base	-5085'	← 1549-9
	Gross Gas column	84'	
	Net Gas sand	41'	
Paleocene (Gas & Oil)	Top	-6298'	1919.6
	Base (no logs below)	-9122'	2780.3
	Gross thickness	2824'	
	Net gas sand	162'	
	Net oil sand	37'	

Wireline Tests:

Wireline tests recovered oil, gas and condensate from Paleocene sands and gas from the M-1 sand in the Eocene Latrobe. The results of the tests are as follows:

<u>No.</u>	<u>Depth</u>	<u>Formation</u>	<u>Recovery</u>
1.	10,170'	Latrobe Paleocene	60.6 cu.ft. gas; 14,250 cc oil 40.6° at 60° F; 50 cc mud & sand. GOR = 775. SIBHP 3820 psi.
2.	10,134'	Latrobe Paleocene	117.5 cu.ft. gas; 700 cc condensate 59.9° at 60° F 150 cc sand & mud. SIBHP 3,300 psi
3.	9,866'	Latrobe Paleocene	129.5 cu.ft. gas; 800 cc condensate 57° at 60° F; 200 cc mud & sand. SIBHP 3,260psi.
4.	9,390'	Latrobe Paleocene	119.4cu.ft. gas; 600 cc condensate 60.7° at 60° F 100 cc mud. SIBHP 3,250 psi.
5.	9,210'	Latrobe Paleocene	Tight. No recovery.
6.	9,205'	Latrobe Paleocene	14,000 cc mud.
7.	6,578'	Latrobe Eocene Paleocene	Seal valve did not seal chamber. Sample lost. Recovered 22,000 cc mud only.
8.	6,101'	Latrobe Eocene Paleocene	88.4 cu.ft. gas; 300 cc condensate; 50 cc mud. SIBHP 2290 psi.
9.	6,584'	Latrobe Eocene Paleocene	22,000 cc mud.
10.	10,140'	Latrobe Paleocene	4 cu.ft. gas; 500 cc oil 39.4° at 60° F., 18,000 cc gas cut mud. SIBHP 5050' psi. Oil could be due to contamination from prior test in lower sand.
11.	10,196'	Latrobe Paleocene	42.8 cu.ft. gas; 15,000 cc oil 39.9° at 60° F, GOR = 425, SIBHP 3880 psi.
12.	10,196'	Latrobe Paleocene	No recovery. Tight test.
13.	10,186'	Latrobe Paleocene	Trace oil. Trace mud. Tight test.

Production Testing:

Extensive testing in May 1969 showed flow rates up to 45.4 MMCFD through chokes between 30/64" and 85/64".

Geology -

Stratigraphy:

<u>Formation</u>	<u>Top</u>		<u>Thickness</u>
	<u>Drilled</u>	<u>Subsea</u>	
Water	Sea Level		200
Gippsland	282	-200	4190
Lakes Entrance	5196	-4390	150
Latrobe	5399	-4540	4803+
Eocene <u>N. goniatus</u>	5399	-4540	118
Paleocene-Eocene <u>M. diversus</u>	5567	-4658	1640
Paleocene <u>L. balmei</u>	2354 7724	-6298	3045+

Lithology:

No samples collected above 3330'.

Gippsland Formation - Mio Pliocene

3330-5196' Marl, medium to dark grey, slightly sandy in part, with some forams and shell fragments. Grades in part to very calcareous claystone.

Lakes Entrance Formation - Oligocene

5196-5399' Claystone, medium green-grey, glauconitic.

Latrobe Delta Complex - Eocene N. goniatus zone and Paleocene-Eocene M. diversus zone.

5399-7724' Sandstone, light grey, medium grained to granule, conglomeratic, dominantly quartz, fairly well sorted, generally uncemented except for dolomitic zones near top. Interbedded with brown carbonaceous claystone and dark brown to black coal.

Latrobe Delta Complex - Paleocene L. balmei zone

7729-9850' Sandstone, white, very fine to fine-grained, well sorted, slightly dolomitic in part; interbedded with medium to dark brown, carbonaceous claystone and coal.

9850-11,068' Sandstone, white, coarse to very coarse grained, conglomeratic, well sorted, friable; interbedded with brown carbonaceous shale and coal.

Structure:

The Marlin anticline is a broad, elliptical fold located south of Tuna on the southwest plunging Tuna-Bream high. Vertical closure on the unconformity surface at the top of the Latrobe Delta Complex is 900'. The area within the lowest closing contour on this horizon is 53.5 square miles. Over most of the field the dip of the unconformity surface is slightly less than the dip of the beds in the Latrobe. However, on the northern and northeastern flanks, the unconformity surface has a steeper dip than elsewhere (6° vs 1-2°) due to truncation by a system of Oligocene channels. Lakes Entrance marl and claystone deposited in the Oligocene channels forms the seal which limits the N-1 (Eocene) gas reservoir to the northeast.

The structure within the Latrobe is complicated by several normal faults which do not affect the unconformity surface. Well A-6 encountered one of these faults near the top of the Paleocene. Most of the Paleocene gas as well as a Paleocene oil sand penetrated by this well were on the downthrown side of this fault. The distribution of hydrocarbons on either side of this fault indicates that it has been a barrier since migration took place. No information is available to prove the other faults are barriers, but they may act as such over

the productive life of the field even if they were not at the time of migration.

Summary:

Drilling was suspended in Marlin A-6 at T.D. of 11,068'. This is approximately 300' above the primary objective, the Upper Cretaceous sands which blew out in Marlin 2. Because of mechanical difficulties, it appeared advisable to test these sands with a straight hole (Marlin A-2) rather than to continue with the deviated hole. More success was obtained on the secondary objectives with the Eocene N-1 and M-1 reservoirs being confirmed as containing substantial volumes of gas. The M-1 sand was gas-bearing in this well since it is updip from Marlin-1 and the base of the sand in A-6 is structurally higher than the gas-oil contact in Marlin-1. In the Paleocene there is a total of nine minor gas sands, several with water contacts, and one oil sand. Marlin A-6 was plugged back to 5842' and was completed in the Eocene gas reservoir in Sand N-1.3.

March 6, 1970.

GENERAL DRILLING AND COMPLETION DATA

WELL NAME MARLIN A-6 T.D. 11068' P.B.T.D. 5842'
 Surface Location Slot 22 Bottom Hole Location 5181' S50° 22'E
 Closure on Top of Pay 2440' S56° 56'E Average Angle 43° max.
 Spud Date AUGUST 11, 1968 Completion Date MAY 28, 1969

PERFORATING RECORD

Size and Type of Gun 2-1/8" Unijet Shot Spacing 6 shots/ft
 Perforated Interval 5402-32' (FDC) Total Shots 121 + 61
 Perforation Fluid BRINE Differential Pressure 100 psi into well.
 Remarks All perms oriented in one direction to low side of hole.
 Packer Mud 10.4 #/gal CaCl₂ Brine with Corexit #7720

CASING - LINER - TUBING RECORD

Size	Weight	Grade	Thread	No. Joints	Amount	Depth
13-3/8"	54.5	J-55	Butt	29	1218.40	
	68	J-55	Butt	67	2119.41	3337.81
9-5/8"	40	N-80	Butt	93	3589.75	
9-5/8"	43.5	N-80	Butt	56	2109.39	
9-5/8"	47	N-80	Butt	127	5112.42	10846.34
4-1/2"	12.6	J-55	Butt	16	489	
7"	23	J-55	LT&C	126	4778	5324

CEMENT RECORD

String	Surface	Production: 1st	2nd	3rd through DV
Type of Cement	Aust 'N'w/20%Gel	Aust 'N'w/8%Gel	Class Ew/35%	Aust N w/8% Gal
Number of FT ³	3034	2790	567 Silica	2120
Average weight of slurry	11.8	13.3	16.3	13.1
Cement Top	Cmt. returns		Est @ D.V.	
Casing Tested with	2200 psi		2500 psi	
Number of Centralizers			No returns after open D.V.	
Number of Scratchers	Tail in: 125 sx cmt	None	Over displ.cmt 125 bbls.	
Stage Collar etc.	Pipe stuck while in-	D.V. @ 6697	Found plug @ 6660	
Remarks	stalling btm. plug.		sq'd D.V. w/265 sx neat	
	Grout: 80sx cmt w/2% CaCl ₂ .			

ESSO STANDARD OIL (AUSTRALIA) LTD.

DRILLING PROGRAMME

Marlin A-6.

AFE NO. 238-105

File MARLIN A-6

DIRECTIONAL DRILLING

Kick-off point : 500' Maximum Build : 2°/100'
 Direction : S 52° E Maximum Drop : 1°/100'
 Permissible Dog Leg Severity : 3°/100' Average Angle : 22-44°

Remarks :

Kick-off at 500' at approximately 2°/100' S 82° E. Let angle build to 42 - 50° while drilling, then at 6000' TVD start dropping angle at 1°/100' to have angle below 8° at 9100' TVD. Run most rigid assembly possible when hole reaches 15° because angle will continue to build when running bit weights required to sustain satisfactory penetration rates. Targets are at 6900', 8500' and 15000' TVD. Each target is a circle of 1200' Dia. Targets are flexible. Subject to management approval, some extensions may be granted rather than lose rig time deflecting the hole. Should plan to pass to South of Marlin A-1 which is 741' S and 1340' E of platform. Use 7¾" or 8" spiral drill collars in directional hole.

WELLHEAD EQUIPMENT

Bradenhead : 12" 3000# WP x 13-3/8" slip on weld w/one 2" THD LP outlet.

Drilling :

Adapter : CIW 12" 3000# WP down x 13-5/8" 5000# WP up DBL std'd. pack-off flange for 9-5/8" casing.

Tubing Head: CIW "F" 13-5/8" 5000# WP x 11" 10,000# WP w/two 2" flgd. outlets and 9-5/8" "X" bushing.

Test Tree : CIW 10,000 psi w/2-7/8" EUE stainless steel "RFC" packoff and "HBA" hanger.

Production :

Tubing Head: 12" 3000# WP x 10" 3000# WP w/one 2" 3000# WP std'd. outlet and preparation for Otis control line. "X" prep.

Adapter : 10" 3000# WP x 6" 3000# WP dbl. std'd. w/bore to pass 6½" "HBA" hanger.

Xmas Tree : Block type dbl. master, single swab w/4-1/8" bore and w/Wye side outlets and w/"HBA" hanger and "RFC" packoff.

FORMATION EVALUATION

Logging Programme :

- At 3390' MD : Prior to setting 13-3/8" CSG., IES & SGRC in 12½" hole.
- At 6200' MD : IES, FDC-GR, BSL, GRN; possible MLL, LL7, CST.
- At 10,850' MD : Prior to setting 9-5/8" CSG., IES, FDC-GR, BSL, GRN: possible MLL, LL7, CST.
- At T.D. : IES, FDC-GR, BSL, GRN and possible MLL, LL7 & CST.

Coring Programme :

No cores through the Latrobe oil zone. Conventional cores at other hydrocarbon shows and at major lithologic breaks if necessary.

Miscellaneous :

1. Ditch samples every 30' from 3000' to 4000' TVD. Then every 10' to TD. Two canned samples every 100' from 3000' MD to TD.
2. Mud logging from 3000' MD to TD.
3. No DST's in directional hole.

CASING AND TUBING

	<u>Length</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Cplg</u>
Surface Casing :					
Torque * ft.-#	3390'	13-3/8"	68#/ft.	J-55	Butt
	Prefer LT&C if available.				
Intermediate Casing :					
Butt Torque * ft.-#	2800'	9-5/8"	40#/ft.	N-80	Butt
LT&C Torque 4700 ft.-#	1400'	9-5/8"	40#/ft.	N-80	LT&C
	2100'	9-5/8"	43.5#/ft.	N-80	LT&C
	4550'	9-5/8"	47#/ft.	N-80	LT&C
Deep Liner :					
Torque 6300 ft.-#	6500'	7-5/8"	33.7#/ft.	P-110	HYD,FJ-P
Liner Hanger -	9-5/8" 47# x 7-5/8"	53.7#	Brown Oil Tools Type CMC.		
Deep Production Casing :					
Butt Torque * ft.-#	2100'	5½"	20#/ft.	N-80	Butt
	400'	5½"	17#/ft.	N-80	Butt
LT&C Torque 2650 ft.-#	4000'	5½"	20#/ft.	N-80	LT&C
	3000'	5½"	23#/ft.	N-80	LT&C
	2500'	5½"	20#/ft.	P-110	LT&C
	2800'	5½"	23#/ft.	P-110	LT&C
Tubing :					
Torque (4½") * ft.-#	400'	4½"	12.6#/ft.	J-55	Butt
Torque (7") 3800 ft.-#	4200'	7"	20#/ft.	J-55	ST&C
	1300'	7"	23#/ft.	J-55	ST&C
	60'	4½"	12.6#/ft.	J-55	Butt
Work String :	16700'	2½"	6.5#/ft.	N-80	EUE
			w/Atlas Bradford modified couplings.		

* Power make up is to the mid point of the diamond on the casing and to the first knurl on the 4½" Tbg.

Lubricant : Treadhote 706

CEMENTING

Surface Casing : 685 sks. of Australian 'N' w/20# gel. (64390# cmt., 12878# gel., 10275 gal. sea water). Yield : 2.89 ft³/sk. of 11.8#/gal. slurry. Thickening time = 3 hrs.

Plus : Tail in with 150 sks. Aust. 'N' NEAT w/sea water. Yield : 1.18 ft³/sk. of 15.6#/gal. slurry. Pump time 2 hrs.

Plus : Grout top w/Aust. 'N' w/4% CaCl₂.

Notes : 1) One centralizer 10' above shoe and 10' below F.C. and on the next two collars.
2) Reciprocate casing while cmt. and set 1' off BTM.

Intermediate Casing : Cement system to be determined later.

Notes : 1) DV tool at 6800' MD. w/basket 75 ft. below
2) 1 centralizer 10' above shoe and 10' below F.C. and on the next 75 collars.
3) 1 centralizer on JOINT between D.V. and basket and on next 33 collars.

FORMATION DATA			
NAME	DEPTH TVD	BOTTOM HOLE PRESSURE	REMARKS
Gippsland	270 to 4300		No producing zones.
Lakes Entrance	4300 to 4600	2171 psi @ 4532'	Gas Mud Wt. 9.2
Latrobe Valley a) Eocene	4600 to 6900	2263 psi @ 5122'	Gas and oil Mud Wt. 8.5
b) Paleocene	6900 to 8500	3280 psi 7514 - 74 7406 - 66	Gas tested 10.9 MMCFD w/23% CO ₂ @ 7406-66 & 7514-74 ² on Marlin A-1.
c) Upper Cretaceous	8500 to 14500	11.1 mud gas cut at 9876, 12.8 mud kicked after rig blown off location at 10007 on Marlin B-1. These sands will be penetrated at approximately 9200' TVD in this well.	
Strzelecki	14500 & below	Unknown	

ESSO STANDARD OIL (AUSTRALIA) LTD.
DRILLING PROGRAMME

Marlin A-6.

AFE. NO. 238-105

COPY ORIGINAL SIGNED

Petroleum Engineering

COPY ORIGINAL SIGNED BY PAUL O. N...

Producing Operations

COPY ORIGINAL G. S. COLEMAN

Management Approval

Attachments :

1. Bit, hydraulics and Mud Program
2. Cementing Program - Surface Casing
3. High Pressure Wellhead Schematic
4. BOP Specifications.

Distribution :

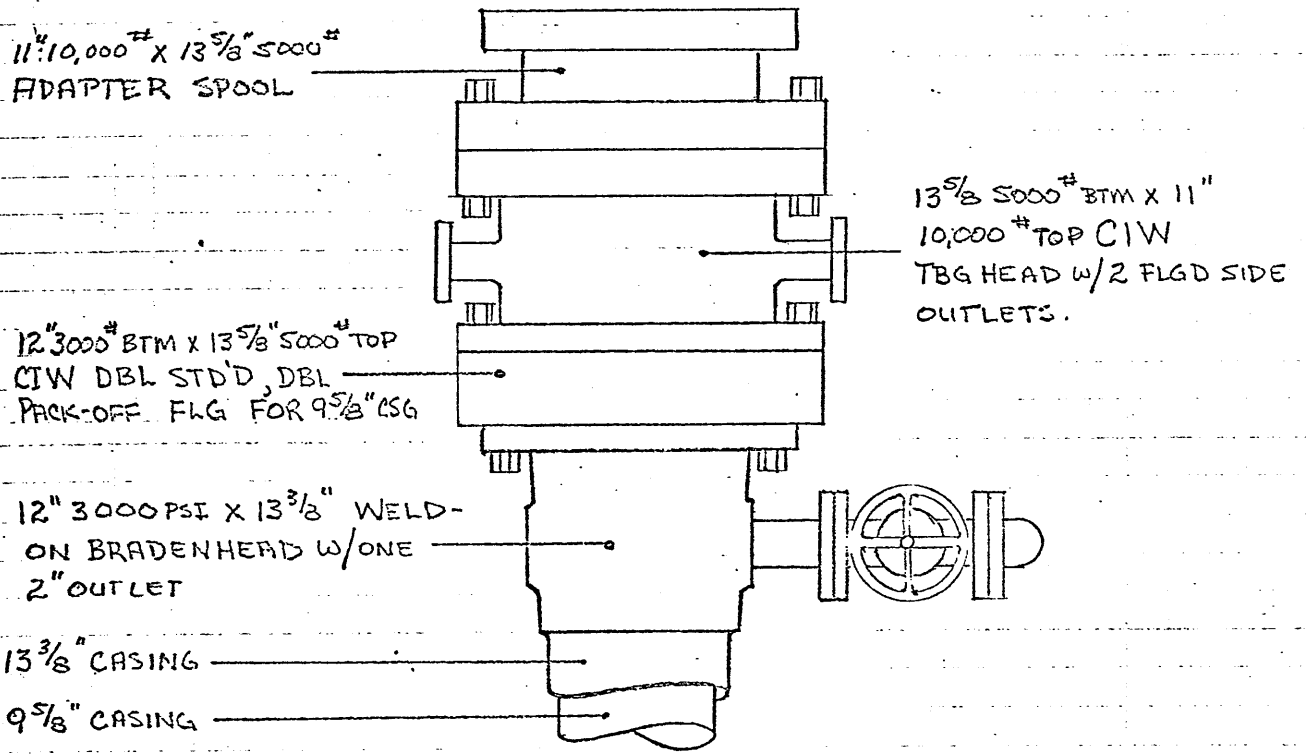
G.S. Coleman
P.O. Naut
H.K. Quattlebaum (Sydney)
J.S. Bain (Sydney)
J.A. Cox (5) (Sale)
W.S. Boydston
P. De Neef
P.S. McReynolds
J.E. Beall (2)
Well File.

ATTACHMENT NO. 1.

MARLIN A-6.

CEMENTING SURFACE CASING.

1. Order casing with one joint less coupling. Order extra coupling. This will permit using thread lock compound on all threads below top of float collar.
2. Run casing with one joint between float collar and float shoe.
3. Install a centralizer five feet above the shoe and five feet below the collar. Run two centralizers on couplings above the float collar.
4. Cement with double plug process and using 40 bbls of seawater preflush.
5. Cement volume has been calculated to give returns at the surface, however, there is a good possibility that returns will be lost at the base of the drive pipe.
6. Reciprocate casing 15 feet while cementing and until plug bumps. Using rig pump, displace cement with drilling mud.
7. After bump plug, check floats and if holding keep casing in tension 1' off bottom. Grout around top 50 feet of casing. If necessary, grout in stages until annulus stands full.
8. After grout has reached initial set as determined by surface samples, pick up Hydril and cut casing at most convenient location.
9. Weld on bradenhead with flange face 17 $\frac{3}{4}$ " above deck. Face valve S 45 W. Test bradenhead.
10. Nipple up blow-out preventors as per attached drawing.



SCHEMATIC OF WELLHEAD APPARATUS FOR DRILLING BELOW
9 5/8" CASING.

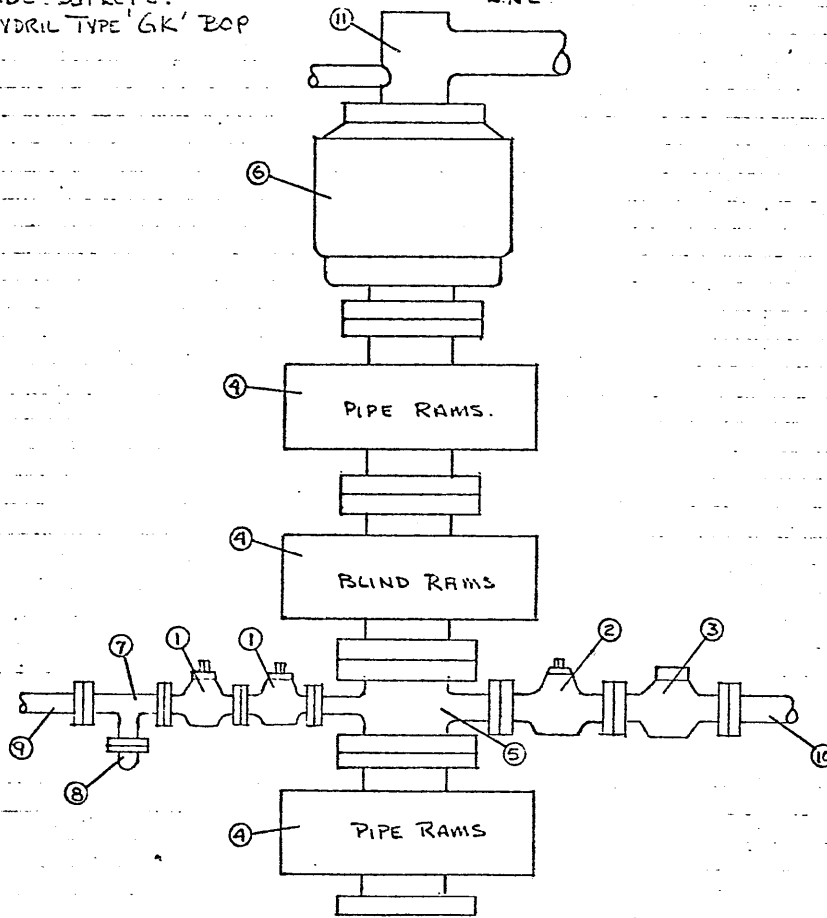
BOP SPECIFICATIONS

RLW

EXPLORATORY WELL DRILLING

LEGEND

- | | |
|--|--|
| 1. 2" FLANGED PLUG VALVE | 7. 2" FLANGED TEE |
| 2. 4" FLANGED RUG VALVE | 8. 2" COMPANION FLANGE W/BULL PLUG. |
| 3. 4" HYDRAULICALLY OPERATED FLANGED GATE VALVE W/MANUAL OVERRIDE. | 9. 2" HIGH PRESSURE PIPE FOR KILL LINE |
| 4. HYDRAULIC BOP W/MANUAL LOCKING. | 10. 4" HIGH PRESSURE PIPE FOR CHOKE LINE |
| 5. FLANGED SPOOL W/ FLANGED SIDE OUTLETS. | 11. BELL NIPPLE WITH 2" FILL-UP LINE |
| 6. HYDRIL TYPE 'GK' BOP | |



NOTES:

- A. FLANGED SPOOL NOT REQUIRED IF OUTLETS ARE INTEGRAL WITH BOP'S.
- B. ALL EQUIPMENT OTHER THAN ITEM 11 IS TO BE 5000 PSI
- C. USE API 'RX' SEAL RINGS BETWEEN BOP'S, WELL HEADS & SPOOLS. INSTALL NEW RING EACH TIME THESE ITEMS ARE SEPARATED.

2.0 Core Analysis

Marlin A6.

MD. (TVD.)

Lithology

- 3326-70 Claystone, light grey, silty, calcareous.
- 3370' - 4340' Marl, medium grey, with shell fragments + forams.
- 4340' - 5420' Claystone, Marl, medium grey and greenish grey, silty in places glauconitic, trace coal in part.
- 5420' - 5417' (4624) Top La Trobe Valley local Mesozoic on Sully's line, Saffer, Mud Log.
- 5420' - 5640' Sand, loose, clean, medium to very coarse, subangular to subrounded, with minor coal black, + claystone light grey, silty, calcareous.
- 5640' - 5660' Coal, black, as above with 20% sand
- 5660' - 5670' Sand as above with 30% claystone, silty, calcareous as above.
- 5670' - 5680' Claystone as above
- 5680' - 5740' Interbedded sand + coal as above.
- 5740' - 5760' Sand, loose, clean, medium to very coarse, as previously
- 5760' - 5880' Claystone, medium - brown grey, carbonaceous + coal.
- 5880' - 6330' Coal, black with some claystone, thin sand at 6130' + 6310' fat.
- 6330' - 6580' Coal with interbedded carbonaceous claystone + thin sandstone stringers
- 6530' - 6940' Coal + carbonaceous claystone with fan-shaped bedded (10'-80') sandstone beds.
- 6940' - 7650' " " " " rare, thin, + generally light sandstone interbeds.
- 7650' - 7935' Interbedded claystone + coal
- 7935' - 8070' As above with trace to 15% slightly dolomitic, fine sandstone.
- 8070' - 8130' " " " 20% sandstone
- 8130' - 8224' " " " 10-15% "

Continued next page.

2/4

- 8224-8254 Core No.1 Recovery 30'.
- 8224-26 Claystone; dark brown, carbonaceous, micaceous, silty, pyritic.
- 8226-32 Sandstone; medium grey-brown, fine to very fine at base; argillaceous, slightly dolomitic, slightly micaceous, well sorted, friable-well cemented, pin-point gold fluorescence, fair cut with yellow white fluorescence.
- 8232-37 Interlaminated, dark brown coals, claystone, siltstone and very fine sandstone. Fluorescence as above, in sandstone.
- 8237-45 Claystone; as above.
- 8245-53 Interbedded claystone and siltstone; as above.
- 8253-54 Sandstone; light grey, very fine, argillaceous, carbonaceous, micaceous, fairly well sorted. Drill blue-white fluorescence, fair cut with yellow-white fluorescence.
- 8254-8314 Core No.2 Recovery: 49'.
- 8254-55 Claystone; as above.
- 8255-62½ Siltstone - very fine sandstone; light grey, micaceous, numerous thin laminae of very carbonaceous claystone. Fluorescence and cut as for 8226-32.
- 8265-75½ Interbedded claystone and siltstone and coal as above.
- 8275½-79 Sandstone; medium brown, fine, argillaceous, micaceous slightly carbonaceous, slightly dolomitic. Fluorescence and cut as for 8226-32.
- 8279-8283 Siltstone; very fine sandstone as above. No fluorescence, cut.
- 8283-95 Claystone; as above.
- 8295-8303 Interbedded claystone and siltstone; as above.
- 8303-14 No recovery.
- 8314-8510 Interbedded claystone; brown-grey-brown, carbonaceous; and coal and siltstone; as previously. Minor sandstone; very fine to fine.
- 8510-8540 Sandstone; medium to coarse; loose, clean, with 30% brown silty claystone.
- 8540'-8580' *loot with trace, coarse sandstone*
- 8580'-8720' *Dominantly loot + claystone, tan-brown, silty, very rare, loose quartz sand grains*
- 8720'-9060' *as above; claystone; light + medium grey, and few thin, white siltstone beds. Rare fine to medium sand.*

loot-

3/4

- 9060-9100 Claystone; as above, carbonaceous.
- 9100-9240 Claystone; as above, with trace-10% brown, dirty fine sandstone.
- 9240-9260 Coal.
- 9260-9300 Claystone; as above, with trace-10% sand, loose clean, fine to coarse.
- 9300-9328 Core #3 Recovered 28' (100%)
- 9300-9301 Sandstone; light grey, very fine-fine, no fluorescence, slow cut, with pale yellow fluorescent ring.
- 9301-9310 Sandstone; finely interlaminated with dark brown siltstone and coal. 2" siltstone at base.
- 9310-9327 Sandstone; fine to medium grading downward to medium to coarse; coaly flakes and partings. Fluorescence and cut as for 9300-01.
- 9327-9328 Interlaminated sandstone, claystone and coal as for 9301-9310.
- 9328-9355 Core #4 Recovered 27' (100%)
- 9328-9348½ Sandstone; light grey, very fine to fine, mainly fine, slightly argillaceous, tight, with coal partings and chunks. No fluorescence or cut.
- 9348½-9349 Siltstone; dark grey brown, very carbonaceous.
- 9349-9355 Claystone; dark grey, brown, silty, carbonaceous and coal interbeds.

- 9355-9390 Claystone and siltstone; grey-brown, very carbonaceous.
- 9390-9420 Sandstone; buff, very fine to fine, sub angular, tight, about 20% claystone and siltstone as above.
- 9420-60 Siltstone; brown, carbonaceous, grading to claystone. Minor sandstone; fine to medium grained.
- 9460-80 Sandstone; buff, very fine to fine grained, tight, 30% siltstone as above.

- 9480-9900 Interbedded claystone, dark brown grey, carbonaceous and coal.
- 9900-30 Claystone; silty, as above, with 20-40% sandstone, fine to medium.
- 9930-70 Interbedded claystone and coal.
- 9990-10010 Coal.
- 10010-20 Sandstone; coarse to very coarse grained.
- 10020-50 Coal;
- 10050-150 Claystone; dark brown, very silty, micaceous; up to 20% coarse to very coarse sand.

- 10150-60 Coal.
- 10160-200 Sand; coarse to very coarse, angular quartz.
- 10200-210 Coal.
- 10210-20 Sand; as for 10160-200, but with trace fluorescence. No cut.

- 10220-40 Coal.
- 10240-50 Sand; as for 10210-20, but no fluorescence.
- 10250-70 Coal.
- 10270-10380 Sand; coarse to very coarse, angular-sub angular quartz, loose. No fluorescence.
- 10380-420 Probably sand as above, but samples contaminated with walnut shells.
- 10420-40 Coal.
- 10440-70 Sand; as above.
- 10470-79 Coal.
- 10479 - 90 Coal
- 10490 - 10520 Sand, white, med-coarse, fine well sorted
- 10520 - 10540 Sand as above with 10-20% sandstone, white, fine, slightly argillaceous, fine well sorted
- 10540 - 10550 Coal
- 10550 - 10590 Claystone medium - dark grey brown, silty
- 10590 - 10600 Coal
- 10600 - 10680 Sandstone white, fine, argillaceous, fine well sorted friable with thin blue white flammescence, no cut, + claystone as above
- 10680 - 10690 Coal
- 10690 - 10730 Claystone as above and sandstone fine as above
- 10730 - 10770 Coal + claystone as above
- 10770 - 10780 Sandstone white, fine - very coarse, slightly conglomeratic, slightly calcareous, no flammescence.
- 10780 - 10790 Coal
- 10790 - 10820 Sandstone as above thin blue white flammescence with fine cut + claystone as above
- 10820 - 10830 Coal + sandstone as above
- 10830 - 10840 Coal
- 10840 - 10865 Coal + claystone as above
- 10865 - 10870 Claystone, dark brown, carbonaceous
- 10870 - 10880 Sandstone, light grey, medium - coarse, quartzose
- 10880 - 10890 Claystone - as above - silty
- 10890 - 11000 Sandstone, fine - coarse, med fine - medium, white with argillaceous cement and minor grey sandy, medium - coarse siltstone. Blue - white flammescence and cut in intervals 10870-10880 + 10890-10910.
- 11000 - 20 Claystone, as above.
- 11020 - 60 Sandstone, medium - coarse - as above - no flammescence or cut.

CORE ANALYSIS RESULTS

Company ESSO STANDARD OIL (AUST) Formation _____ File _____
 Well MARLIN A6 Core Type DIAMOND CONV. Date Report 16. SEPT 68
 Field MARLIN Drilling Fluid LIGNO SULPHONATE/OIL Analysts RLS,PWS
 Country AUSTRALIA State VICTORIA Elev. _____ Location OFFSHORE

Lithological Abbreviations

SAND - SD DOLOMITE - DOL ANHYDRITE - ANHY SANDY - SDY FINE - FN CRYSTALLINE - XLN BROWN - BRN FRACTURED - FRAC SLIGHTLY - SL/
 SHALE - SH CHERT - CH CONGLOMERATE - CONG SHALY - SHY MEDIUM - MED GRAIN - GRN GRAY - GY LAMINATION - LAM VERY - V/
 LIMY - LMY GYPSUM - GYP FOSSILIFEROUS - FOSS LIMY - LMY COARSE - CSE GRANULAR - GRNL VUGGY - VGY STYLOLITIC - STY WITH - W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY'S	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	

CORE NO. 1

1	8226 - 27	330	246	28.5	2.4	38.2	SS, brn gy med grn w/odor
2	8227 - 28	380	261	28.9	2.4	38.1	" " " " " "
3	8228 - 29	222	252	26.0	2.7	40.2	" " " " " "
4	8229 - 30	99	378	23.0	4.4	37.2	" " " " " "
5	8230 - 31	144	108	22.3	2.2	43.1	" " " " " "
6	8231 - 32	114	102	17.4	2.9	43.2	" " " " " "
7	8232 - 33	0.1	-0.1	10.8	5.6	61.1	SLST
8	8233 - 34	-0.1	-0.1	15.3	3.9	56.2	SHALE
9	8234 - 35	-0.1	-0.1	8.0	7.5	78.6	"
10	8235 - 36	-0.1	-0.1	8.8	6.8	83.0	"
11	8236 - 37	-0.1	-0.1	11.4	7.0	64.0	"
12	8238 - 49	-0.1	-0.1	10.7	7.0	75.6	"
13	8249 - 50	-0.1	-0.1	10.9	7.3	80.6	"
14	8250 - 51	-0.1	-0.1	12.5	8.8	76.6	"
15	8253 - 54	-0.1	-0.1	11.8	7.6	81.4	"

CORE NO. 2

16	8255 - 56	2.2	0.4	15.9	8.8	56.6	
17	8256 - 57	0.4	0.1	15.3	5.2	70.0	
18	8257 - 58	0.5	0.1	17.2	3.5	54.7	
19	8258 - 59	1.6	0.4	14.8	4.0	63.5	
20	8259 - 60	0.7	0.1	18.4	3.2	53.8	
21	8260 - 61	0.5	0.1	13.0	6.1	58.5	
22	8261 - 62	4.4	0.1	16.7	8.4	57.0	
23	8275 - 76	7.4	5.2	22.0	3.6	44.5	
24	8276 - 77	2.2	1.1	16.0	5.0	45.0	
25	8277 - 78	3.3	1.9	19.4	4.1	51.5	
26	8278 - 79	0.7	0.3	21.6	2.3	45.8	
27	8279 - 80	2.4	0.7	19.8	5.6	52.1	
28	8280 - 81	0.7	0.1	20.7	9.2	56.5	
29	8281 - 82	0.5	-0.1	22.3	11.4	49.4	
30	8282 - 83	3.5	-0.1	15.0	4.0	70.7	
31	8295 - 96	0.7	-0.1	16.2	6.2	60.5	
32	8296 - 97	0.1	-0.1	13.2	4.5	86.2	

Old Bollen
 PWS 25/9/68

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARLIN - A6

9

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No. 293

CORE ANALYSIS RESULTS

ESSEX STANDARD OIL (AUST) Formation
MARLIN A6 Core Type DIAMOND Date Report 25 SEPT. 68
MARLIN Drilling Fluid LIGNO SULPHONATE Analysts RLS, EJS.
AUSTRALIA State VICTORIA Elev. Location OFFSHORE

Lithological Abbreviations

SHALE - SM	GYPSUM - GYP	ANHYDRITE - ANHY	CONGLOMERATE CONG	FOSSILIFEROUS FOSS	SANDY - SD	SNALY - SNY	LIMY - LIMY	FINE - FN	MEDIUM - MED	COARSE - CRS	CRYSTALLINE - XLN	GRAIN - GRN	GRANULAR - GRN	BROWN - BRN	GRAY - GR	YUGGY - YGY	FRACTURED - FRAC	LAMINATION - LAM	STYLOLITIC - STY	SLIGHTLY - SLG	VERY - VRY	WITH - W
DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PURE		OIL		TOTAL WATER		SAMPLE DESCRIPTION AND REMARKS													

CORE NO. 3

DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS		
33	9300 - 01	22	4.1	21.8	1.4	36.7	SS. wh to tan, vf to f gr, mica.
34	02	4.4	1.6	16.8	3.6	31.0	SS. " shaly, carb.
35	03	1.9	1.8	7.3	0.8	72.6	SS. " " "
36	04	1.9	1.8	7.5	0.8	72.0	SS. " " "
37	05	1.9	1.6	6.7	0.9	73.1	SS. " " v shaly, carb.
38	06	2.2	1.8	6.3	1.4	69.8	SS. " " "
39	07	1.6	1.3	7.2	1.5	53.9	SS. " " "
40	08	2.8	2.2	15.4	3.0	32.4	SS. " " "
41	09	2.6	1.8	13.9	4.3	34.6	SS. " " "
42	10	3.0	1.8	9.6	12.5	53.2	SS. " " "
43	11	371	240	20.6	3.9	32.5	SS. It gy tan, med to crse gr, sli
44	12	76	15	22.4	3.6	36.6	SS. " " carb
45	13	453	280	25.6	3.5	34.0	SS. " " "
46	14	148	114	25.3	2.8	28.4	SS. " " "
47	15	11	4.1	19.3	2.6	32.3	SS. " fine to med gr
48	16	17	2.6	13.4	3.7	38.2	SS. " " "
49	17	124	67	20.6	2.4	31.1	SS. " med to crse gr
50	18	143	61	25.5	3.5	32.6	SS. " " "
51	19	130	43	26.3	3.4	33.8	SS. " " "
52	20	417	103	26.6	4.5	30.8	SS. " " "
53	21	4.1	2.0	8.3	3.6	53.0	SS. " Fine to med gr
54	22	5.0	3.3	13.2	1.5	37.2	SS. " " v shaly
55	23	5.7	4.1	16.5	3.6	38.8	SS. " v fine to fine gr
56	24	6.1	3.9	17.4	3.4	33.4	SS. " " "
57	25	8.1	5.0	17.1	3.5	34.0	SS. " " shaly
58	26	14.5	7.0	18.2	4.4	34.1	SS. " " "
59	27	3.4	2.0	17.6	4.5	36.9	SS. " " "
60	28	5.7	2.0	16.1	4.3	30.4	SS. " " "
61	29	5.3	3.4	6.4	12.9	53.1	SS. " " "

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MARLIN - A6

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

Page No. 343

CORE ANALYSIS RESULTS

Company ESSO STANDARD OIL (AUST) Formation _____ File _____
 Well MARLIN A6 Core Type DIAMOND Date Report 26 SEPT. 68
 Field MARLIN Drilling Fluid LIGNO SULPHONATE Analysts RLS, EJS
 State AUSTRALIA Stat VICTORIA Elev. _____ Location OFFSHORE

Lithological Abbreviations

SAND - SD	DOLOMITE - DOL	ANHYDRITE - ANHY	SANDY - SOY	FINE - FN	CRYSTALLINE - XLN	BROWN - BRN	FRACTURED - FRAC	SLIGHTLY - SL/
SHALE - SH	CHERT - CH	CONGLOMERATE - CONG	SHALY - SHY	MEDIUM - MED	GRAIN - GRN	GRAY - GR	LAMINATION - LAM	VERY - V/
LIME - LM	GYPSEUM - GYP	FOSSILIFEROUS - FOSS	LIMY - LMY	COARSE - CSR	GRANULAR - GRNL	VULCANIC - VCV	STYLOLITIC - STY	WITH - W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	

H V

CORE NO. 4

61	9328	- 29	5.3	3.4	6.4	12.5	53.3	SS, lt gy to tan, v/fn-fn shaly
62	9329	- 30	3.6	2.2	12.2	6.6	50.4	SS, gy to wh, fn-med gr, no odor
63	9330	- 31	7.4	4.5	17.6	3.4	42.0	SS, " v/shaly " " no flu
64	9331	- 32	6.0	2.9	13.1	6.1	43.7	SS, " " " " "
65	9332	- 33	1.7	1.7	10.3	10.2	59.4	SS, " " " " "
66	9333	- 34	8.2	2.2	15.7	6.4	36.3	SS, " " " " "
67	9334	- 35	5.7	2.2	16.9	4.1	43.2	SS, " " " " "
68	9335	- 36	2.2	1.5	15.9	3.3	47.3	SS, " " " " "
69	9336	- 37	1.7	1.5	6.1	26.2	42.5	SS, " " " " "
70	9337	- 38	2.2	1.7	1.2	0.0	83.4	SS, " " " " "
71	9338	- 39	1.7	1.5	8.6	0.2	87.2	SS, " " " " "
72	9339	- 40	2.4	1.5	13.3	5.3	42.7	SS, " sl/argill " " "
73	9340	- 41	3.6	1.7	17.3	1.2	33.9	SS, " " " " "
74	9341	- 42	1.7	1.7	12.9	6.2	47.3	SS, " " " " "
75	9342	- 43	1.7	1.3	13.2	4.3	29.7	SS, " " " " "
76	9343	- 44	6.2	3.3	10.3	7.4	72.3	SS, " " " " "
77	9344	- 45	2.2	1.5	15.1	15.9	41.7	SS, " " " " "
78	9345	- 46	2.6	1.5	17.4	5.2	45.4	SS, " " " " "
79	9346	- 47	4.5	1.7	20.6	3.9	37.8	SS, " " " " "
80	9347	- 48	5.0	2.2	16.8	4.3	45.2	SS, " " " " "
81	9349	- 50	1.7	1.7	6.3	14.3	74.5	SLST, dk gy v/argill " "
82	9353	- 54	1.7	1.7	7.1	12.7	74.6	CLST, dk gy bn, carb " "

3.0 Palynology

BASIN GIPPSLAND BASIN

DATE _____

WELL NAME MARLIN A-6

ELEVATION _____

PLATFORM WELL

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
EOCENE	<u>P. tuberculatus</u>										
	<u>U. N. asperus</u>										
	<u>M. N. asperus</u>										
	<u>L. N. asperus</u>										
	<u>P. asperopolus</u>										
	<u>U. M. diversus</u>										
	<u>M. M. diversus</u>										
	<u>L. M. diversus</u>										
PALEOCENE	<u>U. L. balmei</u>										
	<u>L. L. balmei</u>	9253	1				9253	1			
	<u>T. longus</u>										
CRETACEOUS	<u>T. lilliei</u>										
	<u>N. senectus</u>										
	<u>C. trip./T.pach.</u>										
	<u>C. distocarin.</u>										
	<u>T. pannosus</u>										
EARLY CRETACEOUS											
E-CRETACEOUS											

COMMENTS: Only one core sample examined; depths uncorrected for deviation

- 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: A. PARTRIDGE DATE February 1975

DATA REVISED BY: _____ DATE _____

4.0 Test Data:

PE905651

This is an enclosure indicator page.
The enclosure PE905651 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905651 has the following characteristics:

ITEM_BARCODE = PE905651
CONTAINER_BARCODE = PE905658
NAME = FIT Data
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = FIT
DESCRIPTION = Marlin-A6 Formation Interval Test Data
from Well Summary Report
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

5.0 Summary of Results:



ESSO AUSTRALIA LTD.

1573

INCORPORATED IN NEW SOUTH WALES
G.P.O. BOX 4047 SYDNEY 2001 * TELEPHONE 236 2911 (AREA CODE 02)
ESSO HOUSE, 127 KENT STREET, SYDNEY, NEW SOUTH WALES
TELEGRAMS "ESSO" * CABLES "ESSOFAST"
TELEX: AA 120549 FAX: GP111 02 236 5085

SYDNEY 10th March, 1988

YOUR REF:

OUR REF: 6650/10 RMR/js

SUBJECT Marlin Preliminary
Depth Intervals

Department of Industry,
Technology and Resources,
P.O. Box 173,
EAST MELBOURNE VIC. 3002.

15 MAR 1988

Attention: Brij Agrawal

PETROLEUM DIVISION

MARLIN - A6

Dear Sir,

Please find enclosed preliminary depth intervals of hydrocarbon and water sands for all, but six (6), of the Marlin exploration and production wells. The results are being reviewed and any corrections passed on to you.

The intervals for wells A5 and A16 should be used with caution as they are being re-surveyed to check for depth discrepancies that have arisen.

The results were compiled for porosity, water saturation and fluid content using the log suites. Wells; F18, A11, A12, A13, A15 and A22 are not included because of their limited log suites. The depth intervals for these wells are being prepared and will follow.

Yours faithfully,

S.A. REECKMANN
PRODUCTION GEOLOGY MANAGER

Encl:

3480F/55

TABLE 13.0

MARLIN-A6

PRELIMINARY

SUMMARY OF RESULTS

Interval Evaluated: 1580 - 3300 (m MDKB)

Depth Interval (m MDKB)	Depth Interval (m TVDSS)	Sand ¹ Unit	Gross Thickness (mMD) (mTVD)		Net ^{**} Thickness (mMD) (mTVD)		Porosity ^{**} Average	Swe ^{**} Average	Fluid Content
KB=25m (82')									
1636.25-1645.50	1375.54-1382.17	Gurnard	9.25	6.63	1.00	0.72	0.12 _± 0.01	0.24 _± 0.06	Gas
1645.75-1659.00	1382.35-1391.83	N-1.3	13.25	9.48	13.00	9.30	0.22 _± 0.07	0.11 _± 0.03	Gas
1664.00-1666.00	1395.41-1396.84		2.00	1.43	2.00	1.43	0.14 _± 0.02	0.21 _± 0.05	Gas
1674.75-1695.25	1403.50-1419.71	N-1.4	20.50	16.21	20.50	16.21	0.22 _± 0.04	0.10 _± 0.03	Gas
1711.00-1719.00	1432.15-1438.48	N-1.5.1	8.00	6.33	8.00	6.33	0.27 _± 0.03	0.05 _± 0.02	Gas
1725.75-1752.00	1443.72-1463.72	N-1.5.2	26.25	20.00	21.50	16.38	0.20 _± 0.04	0.12 _± 0.03	Gas
1792.25-1797.50	1494.37-1498.37	M-1.1	5.25	4.00	4.50	3.43	0.17 _± 0.03	0.15 _± 0.04	Gas
1803.00-1806.00	1502.56-1504.84		3.00	2.28	1.75	1.33	0.15 _± 0.02	0.18 _± 0.05	Gas
1807.00-1816.75	1505.60-1513.03		9.75	7.43	1.25	0.95	0.11 _± 0.01	0.26 _± 0.06	Gas
1827.75-1830.50	1521.40-1523.50		2.75	2.10	1.50	1.15	0.17 _± 0.04	0.17 _± 0.05	Gas
1846.00-1858.25	1535.30-1544.83	M-1.3	12.25	9.53	12.00	9.34	0.18 _± 0.04	0.15 _± -0.04	Gas
1858.50-1861.75	1545.02-1547.55	M-1.4	3.25	2.53	3.25	2.53	0.19 _± 0.02	0.13 _± 0.04	Gas
1865.25-1865.75	1550.28-1550.67		0.50	0.39	0.00	0.00 ^{***}	0.09 _± 0.01	0.34 _± 0.08	Hyd? Indet.
1876.75-1883.50	1559.23-1564.49		6.75	5.26	3.25	2.53	0.22 _± 0.06	1.00	Water
1889.00-1894.25	1568.77-1572.86		5.25	4.09	4.25	3.31	0.12 _± 0.01	1.00	Water
1901.75-1903.25	1578.70-1579.87		1.50	1.17	1.50	1.17	0.16 _± 0.02	1.00	Water

PRELIMINARY

Depth Interval (m MDKB)	(m TVDSS)	Sand ¹ Unit	Gross Thickness (mMD) (mTVD)	Net ^{**} Thickness (mMD) (mTVD)	Porosity ^{**} Average	Swe ^{**} Average	Fluid Content		
KB=25m (82')									
1917.50-1923.50	1590.96-1595.63		6.00	4.67	4.00	3.11	0.17+0.04	1.00	Water
1925.50-1926.75	1597.19-1598.17		1.25	0.98	0.75	0.59	0.15+0.02	1.00	Water
1930.00-1940.75	1600.70-1608.94		10.75	8.24	9.25	7.09	0.20+0.03	1.00	Water
1945.75-1947.75	1612.74-1614.26		2.00	1.52	1.50	1.14	0.13+0.02	1.00	Water
1962.75-1964.75	1625.66-1627.17		2.00	1.51	0.50	0.38	0.14+0.01	1.00	Water
1968.50-1979.25	1630.02-1638.19		10.75	8.17	9.75	7.41	0.23+0.05	1.00	Water
2003.75-2011.75	1656.81-1662.89		8.00	6.08	7.75	5.89	0.22+0.05	0.14+0.04/ 1.00	Gas/ Water *
GWC @ 2010m MDKB (1686.56m TVD SS) based on gas cross-over and IES log response.									
2016.75-2027.50	1666.69-1674.86		10.75	8.17	1.50	1.14	0.12+0.01	1.00	Water
2039.75-2043.25	1684.17-1686.83		3.50	2.66	2.25	1.71	0.15+0.03	0.18+0.05	Hyd. Indet. *
2051.00-2055.50	1692.72-1696.14		4.50	3.42	3.25	2.47	0.12+0.01	1.00	Water
2058.75-2066.00	1698.61-1704.12		7.25	5.51	3.25	2.47	0.14+0.02	1.00	Water
2074.25-2083.25	1710.39-1717.23		9.00	6.84	3.00	2.28	0.15+0.03	1.00	Water
2086.50-2088.00	1719.69-1720.83		1.50	1.14	1.50	1.14	0.14+0.02	0.21+0.05	Hyd? Indet. *
2092.25-2094.75	1724.06-1725.96		2.50	1.90	0.25	0.19	0.11+0.00	0.25+0.06	Hyd? Indet. *
2096.00-2098.25	1726.91-1728.62		2.25	1.71	1.25	0.95	0.13+0.02	0.23+0.06	Hyd? Indet. *
2105.00-2107.50	1733.64-1735.49		2.50	1.85	2.00	1.48	0.14+0.01	0.21+0.06	Hyd? Indet. *
2115.25-2117.25	1741.24-1742.73		2.00	1.49	1.50	1.12	0.12+0.01	1.00	Water?
2119.50-2133.00	1744.40-1754.41		13.50	10.01	13.00	9.64	0.23+0.05	1.00	Water
2142.25-2145.00	1761.27-1763.31		2.75	2.04	2.50	1.85	0.14+0.03	1.00	Water

PROLOG

Depth Interval (m MDKB)	(m TVDSS)	Sand ¹ Unit	Gross Thickness (mMD) (mTVD)	Net** Thickness (mMD) (mTVD)	Porosity** Average	Swe** Average	Fluid Content		
KB=25m (82')									
2146.50-2149.75	1764.43-1766.84		3.25	2.41	1.50	1.11	0.15 ₊ 0.03	1.00	Water
2178.75-2183.50	1788.35-1791.87		4.75	3.52	4.75	3.52	0.19 ₊ 0.03	0.13 ₊ 0.04	Gas *
2187.00-2189.25	1794.47-1796.14		2.25	1.67	0.50	0.37	0.12 ₊ 0.01	1.00	Water?
2192.00-2194.00	1798.18-1799.66		2.00	1.49	0.75	0.56	0.12 ₊ 0.01	1.00	Water?
2201.25-2206.00	1805.04-1808.57		4.75	3.53	1.75	1.30	0.14 ₊ 0.03	1.00	Water?
2273.75-2277.00	1858.83-1861.24		3.25	2.41	1.00	0.74	0.11 ₊ 0.01	0.26 ₊ 0.06	Hyd. Indet. *
2278.25-2282.75	1862.17-1865.51		4.50	3.34	2.25	1.67	0.16 ₊ 0.02	0.17 ₊ 0.05	Hyd. Poss. Gas *
2303.50-2307.75	1881.57-1884.86		4.25	3.11	2.25	1.65	0.15 ₊ 0.04	0.20 ₊ 0.05	Hyd. Prob. Gas *
2331.25-2338.25	1903.04-1908.46		7.00	5.42	2.25	1.74	0.13 ₊ 0.01	1.00	Water?
2347.75-2351.50	1915.81-1918.71		3.75	2.90	1.00	0.77	0.10 ₊ 0.00	1.00	Water?
2369.75-2374.75	1933.10-1937.11		5.00	4.01	0.00	0.00 ^{***}	0.05 ₊ 0.03	0.62 ₊ 0.1	Hyd? Indet. *
2406.75-2414.00	1962.79-1968.61		7.25	5.81	4.00	3.21	0.14 ₊ 0.02	0.21 ₊ 0.05	Hyd. Indet.
2419.25-2424.50	1972.82-1977.04		5.25	4.22	1.50	1.20	0.13 ₊ 0.02	0.23 ₊ 0.06	Hyd. Indet.
2439.25-2443.25	1988.87-1992.08		4.00	3.21	0.25	0.20	0.12 ₊ 0.00	0.24 ₊ 0.06	Hyd. Indet.
2450.50-2452.75	1997.90-1999.70		2.25	1.80	1.00	0.80	0.12 ₊ 0.01	0.25 ₊ 0.06	Hyd. Indet.
2456.75-2458.25	2002.91-2004.12		1.50	1.21	0.75	0.61	0.15 ₊ 0.02	0.18 ₊ 0.05	Hyd. Indet.
2462.75-2465.00	2007.73-2009.53		2.25	1.80	0.75	0.60	0.13 ₊ 0.01	0.23 ₊ 0.06	Hyd. Indet. *
2472.00-2475.75	2015.15-2018.16		3.75	3.01	1.00	0.80	0.11 ₊ 0.01	0.26 ₊ 0.06	Hyd. Indet. *
2482.75-2485.50	2023.87-2026.16		2.75	2.29	0.00	0.00 ^{***}	0.07 ₊ 0.02	0.44 ₊ 0.09	Hyd. Indet. *
2492.00-2494.75	2031.58-2033.87		2.75	2.29	0.00	0.00 ^{***}	0.05 ₊ 0.02	0.53 ₊ 0.09	Hyd? Indet. *

PRELIMINARY

Depth Interval (m MDKB) (m TVDSS)		Sand ¹ Unit	Gross Thickness (mMD) (mTVD)		Net** Thickness (mMD) (mTVD)		Porosity** Average	Swe** Average	Fluid Content
KB=25m (82')									
2497.25-2503.00	2035.96-2040.75		5.75	4.79	0.00	0.00	0.06 _± 0.03	0.48 _± 0.09	Hyd. Indet.*
2503.75-2506.50	2041.38-2043.67		2.75	2.29	1.25	1.04	0.17 _± 0.03	0.15 _± 0.04	Hyd. Indet.*
2513.00-2514.75	2049.09-2050.55		1.75	1.46	0.00	0.00	0.05 _± 0.01	0.54 _± 0.10	Hyd? Indet.*
2519.00-2521.00	2054.09-2055.76		2.00	1.67	0.00	0.00	0.06 _± 0.02	0.50 _± 0.09	Hyd? Indet.*
2527.50-2532.75	2061.18-2065.56		5.25	4.38	0.00	0.00	0.06 _± 0.03	0.53 _± 0.09	Hyd? Indet.*
2536.50-2538.50	2068.47-2070.35		2.25	1.88	0.00	0.00	0.06 _± 0.02	0.48 _± 0.09	Hyd? Indet.*
2542.50-2546.75	2073.69-2077.23		4.25	3.54	0.00	0.00	0.08 _± 0.02	0.40 _± 0.08	Hyd? Indet.*
2563.25-2565.75	2090.99-2093.07		2.5	2.08	0.75	0.62	0.12 _± 0.01	0.24 _± 0.06	Gas *
2570.00-2571.50	2096.61-2097.86		1.5	1.25	0.75	0.63	0.17 _± 0.02	0.16 _± 0.04	Gas
2576.50-2579.25	2102.03-2104.32		2.75	2.29	1.50	1.25	0.14 _± 0.02	0.20 _± 0.05	Hyd. Prob. gas
2580.75-2586.50	2105.58-2110.37		5.75	4.79	3.50	2.92	0.15 _± 0.02	0.19 _± 0.05	Gas
2588.25-2592.00	2111.83-2114.95		3.75	3.12	3.00	2.88	0.13 _± 0.01	0.23 _± 0.06	Hyd? Indet.*
2631.75-2633.50	2149.39-2150.91		1.75	1.52	0.00	0.00	0.06 _± 0.03	0.53 _± 0.09	Hyd? Indet.*
2636.00-2637.75	2153.08-2154.60		1.75	1.52	0.00	0.00	0.05 _± 0.04	0.62 _± 0.10	Hyd? Indet.*
2653.50-2654.25	2168.28-2168.93		0.75	0.65	0.00	0.00	0.06 _± 0.01	0.50 _± 0.09	Hyd? Indet.*
2666.00-2667.50	2179.13-2180.43		1.50	1.30	0.00	0.00	0.05 _± 0.02	0.53 _± 0.09	Hyd. Indet.*
2685.00-2689.25	2195.63-2199.32		4.25	3.69	0.00	0.00	0.02 _± 0.01	0.80 _± 0.09	Hyd. Indet.*
2706.75-2708.00	2214.51-2215.60		1.25	1.09	0.75	0.65	0.17 _± 0.03	0.16 _± 0.04	Hyd. Prob. gas
2727.00-2731.50	2232.42-2236.49		4.50	4.07	1.50	1.36	0.15 _± 0.02	0.19 _± 0.05	Hyd. Prob. gas
2754.50-2761.50	2257.34-2263.68		7.00	6.34	0.00	0.00	0.05 _± 0.02	0.56 _± 0.09	Hyd? Indet.***
2770.25-2783.50	2271.61-2283.62		13.25	12.01	8.75	7.93	0.16 _± 0.05	0.19 _± 0.05	Gas

Depth Interval (m MDKB) (m TVDSS)		Sand ¹ Unit	Gross Thickness (mMD) (mTVD)		Net** Thickness (mMD) (mTVD)		Porosity** Average	Swe** Average	Fluid Content
KB=25m (82')									
2794.00-2809.75	2292.91-2307.46		15.75	14.55	10.50	9.70	0.18 _± 0.04	0.15 _± 0.04	Gas
2829.00-2836.25	2325.36-2332.01		7.25	6.65	2.50	2.29	0.17 _± 0.03	0.16 _± 0.04	Gas
2837.00-2844.00	2332.80-2339.31		7.00	6.51	0.00	0.00 ^{***}	0.05 _± 0.03	0.55 _± 0.09	Hyd. Indet. *
2855.50-5863.50	2350.00-2357.44		8.00	7.44	3.5	3.26	0.20 _± 0.04	0.11 _± 0.03	Gas
2867.25-2873.25	2360.93-2366.51		6.00	5.58	4.25	3.95	0.14 _± 0.02	0.21 _± 0.05	Hyd. Poss. oil
2895.00-2899.00	2386.73-2390.45		4.00	3.74	2.25	2.10	0.14 _± 0.03	0.21 _± 0.05	Gas
3001.25-3020.75	2486.91-2505.27		19.25	18.36	16.50	15.74	0.14 _± 0.03	0.22 _± 0.06	****.
3036.25-3042.50	2520.06-2526.02		6.25	5.96	1.50	1.43	0.14 _± 0.04	0.20 _± 0.05	Hyd. Indet.
3047.75-3051.00	2531.03-2534.13		3.25	3.10	0.00	0.00 ^{***}	0.04 _± 0.02	0.64 _± 0.10	Hyd? Indet. *
3057.50-3062.00	2540.34-2544.63		4.50	4.29	0.50	0.48	0.12 _± 0.01	0.24 _± 0.06	Hyd. Indet. *
3071.50-3089.75	2553.69-2571.10		18.25	17.41	9.00	8.59	0.17 _± 0.03	0.17 _± 0.05	Gas
3097.75-3104.75	2578.74-2585.42		7.00	6.68	6.75	6.44	0.14 _± 0.01	0.20 _± 0.05	Oil
3106.00-3121.50	2586.64-2601.66		15.5	15.02	10.75	10.42	0.13 _± 0.02	0.32 _± 0.07/ 1.00	Oil/Water
Possible OWC @ 3116m MDKB (2596.57m TVDSS) based on IES log response.									
3123.50-3150.50	2603.60-2629.78		27	26.18	4.50	4.36	0.11 _± 0.01	1.00	Water
3155.50-3187.00	2634.65-2665.46		31.5	30.81	15.75	15.41	0.13 _± 0.02	1.00	Water
3269.50-3271.25	2746.43-2748.16		1.75	1.73	0.25	0.25	0.10 _± 0.00	1.00	Water

6.0 Sub-Surface Combination Survey

REPORT

AND

PLAN

OF

**SUB - SURFACE
COMBINATION
SURVEY**

**ESSO STANDARD (AUST.)
MARLIN A-6**

JOB NO. 5

DATE. November 27, 1968

EASTMAN DIRECTIONAL DRILLING (AUST.) PTY. LTD.

SALE

::

VICTORIA



RECORD OF SURVEY

JOB NO. 5.....

DATE November 27, 1968

	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS	
									NORTH		SOUTH			EAST
1	255	-	0	255	-	-	--	--						
2	376	-	0	376	-	-	--	--						
3	500	-	-45'	499	99	1	62	S 45 E		1	15	1	15	
4	531	-	1°-30'	530	98		81	N 75 E			94	1	93	
5	592	-	3°-15'	591	88	3	46	82			46	5	36	
6	654	-	4°-45'	653	67	5	13	S 88 E			64	10	49	
7	748	-	6°-45'	747	02	11	05	80		2	56	21	37	
8	872	-	8°-30'	869	66	18	33	77		6	68	39	23	
9	1028	-	10°	1023	29	27	08	77		12	77	65	62	
10	1091	-	11°-15'	1085	08	12	29	73		16	36	77	37	
11	1183	-	13°-30'	1174	54	21	47	74		22	28	98	01	
12	1277	-	15°-30'	1265	12	25	12	72		30	04	121	90	
13	1400	-	18°-15'	1381	93	38	52	67		45	09	157	36	
14	1525	-	20°-45'	1498	82	44	29	65		63	81	197	50	
15	1603	-	22°-15'	1571	01	29	53	66		75	82	224	48	*Interpolated
16	1682	-	24°	1643	18	32	13	67		88	37	254	06	
17	1734	-	25°-15'	1690	21	22	18	66		97	39	274	32	*Interpolated
18	1786	-	26°-30'	1736	74	23	20	65		107	19	295	35	*Interpolated
19	1837	-	27°-45'	1781	88	23	75	64		117	60	316	70	
20	1888	-	29°-15'	1826	38	24	92	64		128	52	339	10	*Interpolated

RECORD OF SURVEY



JOB NO. 5

DATE November 27, 1968

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS		
								NORTH		SOUTH			EAST	
*21	1940 -	30°-45'	1871	07	26	59	S 63 E			140	59	362	79	*Interpolated
22	1992 -	32°	1915	17	27	55	63			153	10	387	34	
23	2107 -	33°-15'	2011	34	63	05	63			181	72	443	52	
24	2294 -	34°-45'	2164	98	106	59	64			228	45	539	32	
*25	2435 -	35°	2280	49	80	88	63			265	17	611	38	
26	2576 -	35°-15'	2395	63	81	37	62			303	37	683	22	
27	2827 -	36°	2598	69	147	54	61			374	90	812	26	
*28	2930 -	36°	2682	02	60	54	60			405	17	864	69	*Interpolated
*29	3033 -	36°-15'	2765	08	60	90	59			436	53	916	89	*Interpolated
30	3136 -	36°-15'	2848	14	60	90	58			468	80	968	53	
31	3326 -	36°-30'	3000	88	113	01	58			528	68	1064	36	
32	3441 -	36°	3093	92	67	60	57			565	49	1121	06	
33	3751 -	35°-15'	3347	07	178	90	55			668	11	1267	61	
34	3949 -	34°-45'	3509	75	112	86	54			734	45	1358	91	
*35	4060 -	36°-15'	3599	26	65	63	52			774	86	1410	63	*Interpolated
36	4171 -	37°-45'	3687	03	67	95	50			818	54	1462	68	
37	4304 -	40°	3788	91	85	49	49			874	63	1527	20	
38	4429 -	40°	3884	66	80	35	49			927	35	1587	84	
39	4647 -	41°	4049	18	143	03	49			1021	19	1695	78	
40	4864 -	41°-30'	4211	71	143	78	48			1117	39	1802	62	

RECORD OF SURVEY



JOB NO. 5

DATE November 27, 1968.

	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS		
									NORTH		SOUTH			EAST	
41	5090	-	41° -30'	4380	98	149	75	S 48 E			1217	59	1913	90	
42	5305	-	42°	4540	75	143	86	47			1315	70	2019	12	
43	5462	-	42° -45'	4656	04	106	57	46			1389	73	2095	78	
44	5525	-	43°	4702	12	42	97	45			1420	11	2126	16	
45	5651	-	43°	4794	28	85	93	45			1480	87	2186	92	
46	5835	-	40° -30'	4934	19	119	49	47			1562	36	2274	31	
47	6058	-	38°	5109	91	137	30	46			1657	74	2373	07	
48	6182	-	39°	5206	27	78	03	47			1710	96	2430	14	
49	6340	-	39° -15'	5328	63	99	97	49			1776	55	2505	59	
50	6440	-	40°	5405	23	64	28	48			1819	56	2553	36	
51	6745	-	41°	5635	41	200	11	47			1956	04	2699	72	
52	7019	-	42°	5839	02	183	33	47			2081	07	2833	81	
53	7285	-	43°	6033	57	181	41	47			2204	79	2966	49	
54	7414	-	41° -30'	6130	19	85	48	47			2263	09	3029	01	*Interpolated
55	7543	-	40°	6229	00	82	92	47			2319	64	3089	66	
56	7642	-	39°	6305	93	62	30	47			2362	13	3135	23	*Interpolated
57	7742	-	38°	6384	73	61	57	48			2403	33	3180	98	
58	7867	-	37°	6484	56	75	23	47			2454	64	3236	00	*Interpolated
59	7992	-	36°	6585	69	73	48	46			2505	69	3288	85	
60	8134	-	36°	6700	57	83	47	46			2563	68	3348	89	

RECORD OF SURVEY



JOB NO. 5

DATE November 27, 1968

	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS	
								NORTH	SOUTH	EAST	WEST		
*61	8226 -	34° -30'	6776	39	52	11	S 46 E		2599	88	3386	37	*Interpolated
62	8319 -	33°	6854	39	50	65	46		2635	07	3422	80	
63	8509 -	32°	7015	51	100	68	47		2703	73	3496	44	
*64	8632 -	30° -45'	7121	22	62	89	47		2746	62	3542	44	*Interpolated
65	8756 -	29° -30'	7229	15	61	06	46		2789	04	3586	36	
*66	8810 -	28° -30'	7276	61	25	77	46		2806	94	3604	90	*Interpolated
*67	8864 -	27° -30'	7324	51	24	93	45		2824	57	3622	53	*Interpolated
68	8917 -	26° -45'	7371	84	23	86	45		2841	44	3639	40	
*69	8995 -	25° -45'	7442	09	33	88	45		2865	40	3663	36	*Interpolated
70	9073 -	24° -45'	7512	92	32	66	44		2888	89	3686	05	
71	9210 -	23° -30'	7638	56	54	62	43		2928	84	3723	30	
*72	9300 -	22° -45'	7721	56	34	80	42		2954	70	3746	58	*Interpolated
*73	9390 -	22°	7805	01	33	71	41		2980	14	3768	70	*Interpolated
74	9500 -	21°	7907	71	39	42	40		3010	34	3794	04	
75	9690 -	20°	8086	25	64	98	39		3060	84	3834	93	
*76	9780 -	19°	8171	35	29	30	38		3083	93	3852	97	*Interpolated
*77	9870 -	18°	8256	95	27	81	37		3106	14	3869	71	*Interpolated
78	9960 -	17°	8343	02	26	32	36		3127	43	3885	18	
*79	10071 -	16°	8449	72	30	59	35		3152	49	3902	73	*Interpolated
80	10182 -	15°	8556	93	28	73	33		3176	59	3918	38	

RECORD OF SURVEY



JOB NO. 5

DATE November 27, 1968

	MEASURED DEPTH		DRIFT ANGLE	TRUE VERTICAL DEPTH		COURSE DEVIATION		DRIFT DIRECTION	RECTANGULAR COORDINATES				REMARKS		
									NORTH		SOUTH			EAST	
81	10300	-	13°-45'	8671	54	28	05	S 32 E			3200	38	3933	24	*Interpolated
82	10340	-	13°-30'	8710	44	9	34	30			3208	47	3937	91	
83	10462	-	12°-30'	8829	55	26	40	29			3231	56	3950	71	
*84	10547	-	11°-15'	8912	92	16	58	28			3246	20	3958	49	
85	10632	-	10°	8996	63	14	76	27			3259	35	3965	19	
86	10785	-	8°-30'	9147	95	22	61	25			3279	84	3974	74	
87	10890	-	8°	9251	93	14	62	22			3293	40	3980	22	
CLOSURE :															
5166.23'															
S 50° 24' E															

PE905690

This is an enclosure indicator page.
The enclosure PE905690 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905690 has the following characteristics:

ITEM_BARCODE = PE905690
CONTAINER_BARCODE = PE905658
NAME = Directional Survey Plan
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = DIAGRAM
DESCRIPTION = Marlin-A6 Directional Survey Plan
(enclosure from Well Summary)
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR = EASTMAN DIRECTIONAL DRILLING (AUST) PTY
LTD
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

Enclosures :

PE604033

This is an enclosure indicator page.
The enclosure PE604033 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE604033 has the following characteristics:

ITEM_BARCODE = PE604033
CONTAINER_BARCODE = PE905658
NAME = Mud Log (Grapholog)
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = MUD_LOG
DESCRIPTION = Marlin-A6 Grapholog from Well Summary
Report
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR = CORE LABORATORIES
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE604044

This is an enclosure indicator page.
The enclosure PE604044 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE604044 has the following characteristics:

ITEM_BARCODE = PE604044
CONTAINER_BARCODE = PE905658
NAME = FDC Log
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Marlin-A6 FDC Log, Gamma Ray and
Density (enclosure from Well Summary
Report)
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR = RECODING CHARTS GRAPHIC CONTROLS
CORPORATION
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE604034

This is an enclosure indicator page.
The enclosure PE604034 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE604034 has the following characteristics:

ITEM_BARCODE = PE604034
CONTAINER_BARCODE = PE905658
NAME = IES Logs
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Marlin-A6 IES Log of S.P. and
Resistivity (enclosure from Well
Summary)
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR = RECODING CHARTS GRAPHIC CONTROLS
CORPORATION
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE604035

This is an enclosure indicator page.
The enclosure PE604035 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE604035 has the following characteristics:

ITEM_BARCODE = PE604035
CONTAINER_BARCODE = PE905658
NAME = Logs and Log Analysis
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = WELL_LOG
DESCRIPTION = Marlin-A6 Log and Log Analysis,
caliber, SP, gamma ray, deep induction,
bulk density, DT, effective porosity,
water saturation from Well Summary
report
REMARKS =
DATE_CREATED =
DATE_RECEIVED = 8/06/88
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905652

This is an enclosure indicator page.
The enclosure PE905652 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905652 has the following characteristics:

ITEM_BARCODE = PE905652
CONTAINER_BARCODE = PE905658
NAME = Drilling Time Estimate Graph
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = DIAGRAM
DESCRIPTION = Marlin-A6 Drilling Time Graph from Well
Summary Report (enclosure from Well
Summary Report)
REMARKS =
DATE_CREATED = 1/07/68
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905653

This is an enclosure indicator page.
The enclosure PE905653 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905653 has the following characteristics:

ITEM_BARCODE = PE905653
CONTAINER_BARCODE = PE905658
NAME = Well Location Map (Marlin Feild 'A'
Platform)
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = GENERAL
SUBTYPE = PROSPECT_MAP
DESCRIPTION = Marlin Feild 'A' Platform Well Location
Map, fig 1 from Well Summary Report for
Marlin-A6
REMARKS =
DATE_CREATED =
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905654

This is an enclosure indicator page.
The enclosure PE905654 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905654 has the following characteristics:

ITEM_BARCODE = PE905654
CONTAINER_BARCODE = PE905658
NAME = Stratigraphic Cross Section A-A'
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = CROSS_SECTION
DESCRIPTION = Marlin-A6 Stratigraphic Cross Section
A-A' showing Proposed well site, fig 2
from Well Summary Report
REMARKS =
DATE_CREATED = 30/04/68
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905655

This is an enclosure indicator page.
The enclosure PE905655 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905655 has the following characteristics:

ITEM_BARCODE = PE905655
CONTAINER_BARCODE = PE905658
NAME = Structure Map
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = CONTOUR_MAP
DESCRIPTION = Marlin-A6 Structure Latrobe Topographic
Surface, fig 3 from Well Summary Report
REMARKS =
DATE_CREATED = 30/04/68
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905656

This is an enclosure indicator page.
The enclosure PE905656 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905656 has the following characteristics:

ITEM_BARCODE = PE905656
CONTAINER_BARCODE = PE905658
NAME = Structure Map
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = CONTOUR_MAP
DESCRIPTION = Marlin-A6 Structure on V Reflector Map
(approx 300' above Upper Cretaceous),
fig 4 from Well Summary Report
REMARKS =
DATE_CREATED = 30/04/68
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)

PE905657

This is an enclosure indicator page.
The enclosure PE905657 is enclosed within the
container PE905658 at this location in this
document.

The enclosure PE905657 has the following characteristics:

ITEM_BARCODE = PE905657
CONTAINER_BARCODE = PE905658
NAME = Structure Map
BASIN = GIPPSLAND
PERMIT = VIC/L3
TYPE = WELL
SUBTYPE = CONTOUR_MAP
DESCRIPTION = Marlin-A6 Structure on Top of Paleocene
(form lined with Geologic
interpretation from seismic V Structure
Map), fig 5 from Well Summary Report
REMARKS =
DATE_CREATED = 30/04/68
DATE_RECEIVED =
W_NO = W525
WELL_NAME = MARLIN-A6
CONTRACTOR =
CLIENT_OP_CO = ESSO AUSTRALIA RESOURCES LTD.

(Inserted by DNRE - Vic Govt Mines Dept)