Natural Resources and Environment
AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

WELL SUMMARY

SNAPPER-2 (W550)

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

ABANDONED SUCCESSFUL OIL WELL. SPUD. 16-6-69. COMP. 1-8-69. 38° 11' 16" 148°

SNAPPER-2

ESSO. VIC P/1 T.D. 10,010'. W.D. 18 GLOM 550

I.E.S.	Run 1	2464 - 5397	SEPARATE LOGS 2" A
"	2.	5364 - 8966	" " 2"
"	" 3	8966 - 10,012	" " 2"
"	RUNS 1,2&3	2464 - 10,012	" " 2"
B.H.S.C.	RUN 1	2464 - 5319	" " 2"
"	" 2	5364 - 9996	" " 2"
"	" 1&2	2464 - 9996	" " 2"
F.D.C/G.R.	" 1	2464 - 5395	" " 2"
"	" " 2.	5364 - 7980	" " 2"
"	" " 3.	7980 - 8964	" " 2"
"	" " 4.	8964 - 10010	" " 2"
"	" " 1,2,3&4.	2464 - 10010	" " 2"
LATEROLOG	" 1.	3900 - 5392	11c q/ " " 2"
C.D.M.	1	2464 - 5392.	" " 2"
"	" 2. 5½"	5364 - 9994.	
F.I.T.	" 1.	TESTS N° 1 — 5.	
"	" 2.	" " 1&2	
"	" 1&2.	" " 1—5, 1&2	

CORE LAB. MUDLOG 2500' - 10011'. +7440' - 8050'.

" " COMPLETION CORE GRAPH +1c

TIME DEPTH CURVE
CORE ANALYSIS RESULTS 1—10. B.M.R.
CORE DESCRIPTIONS 1—10 ESSO.

S.W.C. " . RUN 1. 1-45. 2935 - 5320'.

" " " 1 1 45. 2935' - 5320'

" " 2. GUN 1. 1-30 5506 - 8950' by A.P.W.

" " " " 2. " 2. 31-60 5490' - 8910' " "

WELL SUMMARY INCLUDING CORE ANALYSIS.

CORES 1—10. OIL SENT " "

CUTTING 2500 — 10,007.

PALAEONTOLOGY REPORT BY P.R. EVANS.

MICROPALAEONTOLOGY " . D. Taylor.

PALYNOLOGY REPORT BY STOVER & PARTRIDGE. PLUS REVISION.

MAP. STRUCTURE TOP OF LATROBE

SNAPPER-2 (W550)

Well Summary Report

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Enclosures

Well Completion Log
Mud Log (Grapholog)
Completion Coregraph Log
Time-Depth Curve
FIT Data

Attachments

Core Photographs Report - Refer to report PE905020
Attachment 1 to Snapper 1

COMPLETION REPORT

CONFIDENTIAL

ESSO STANDARD OIL (AUSTRALIA) LTD.

550.

COMPLETION REPORT

I WELL DATA RECORD

Date June 1, 1970

LOCATION

WELL NAME	STATE	PERMIT or LICENCE	GEOLOGICAL BASIN	FIELD
SNAPPER-2	Victoria	Vic. P-1	Gippsland	Snapper

CO-ORDINATES	Lat.	Long.	X	Y	MAP PROJECTION	GEOGRAPHICAL DESCRIPTION
Surface	38°11'16"S	148°02'37"E	595,827	289,678	Australian Transverse Mercator	Offshore: 23 miles south of Lakes Entrance; 1.9 miles southwest of Snapper-1.
Bottom Hole	Straight Hole					

ELEVATIONS & DEPTHS

ELEVATIONS	WATER DEPTH	TOTAL DEPTH	Avg.Angle
Ground		M.D. 10,010 ft.	
KB 31ft.	183 ft.	T.V.D.	
RT	PLUG BACK DEPTH	REASONS FOR P.B.	
Braden Head	350 ft.	Abandonment	
Top Deck Platform			

DATES

MOVE IN	RIG UP	SPUDDED
12.6.69	15.6.69	16.6.69
RIG DOWN COMPLETE	**RIG RELEASED**	**PROD.UNIT - Start Rigging Up**
2.8.69	2.8.69	
PROD.UNIT - Rig Down Complete	**I.P. ESTABLISHED**	

MISCELLANEOUS

OPERATOR	PERMITTEE or LICENCEE	ESSO INTEREST	OTHER INTEREST
Esso	Hematite	Well 100% Permit Nil	

CONTRACTOR	RIG NAME	EQUIPMENT TYPE
Global Marine	Glomar III	Ship-Shape Drilling Vessel

TOTAL RIG DAYS	DRILLING AFE NO.	COMPLETION NO.	TYPE COMPLETION
50.3	239106		

LAHEE WELL	Before Drilling	Outpost
CLASSIFICATION	After Drilling	Abandoned successful outpost

B.G. McKay
Geologist

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

IV CASING - LINER - TUBING RECORD

Type	Size	Weight	Grade	Thread	No. Joints	Amount	Depth
Conductor	30"	196 & 310	H-40	Vetco	4	165.6	370
Surface	13-3/8"	72	N-80	Butt.	2	91.35	
	13-3/8"	54.5	J-55	Butt.	54	2171.17	2465
Inter-mediate	9-5/8"	43.5	N-80	Butt.	62	2549.97	
	9-5/8"	40.0	N-80	Butt.	65	2617.20	5367

V CEMENT RECORD

String	30"	13-3/8"	9-5/8"
Type of Cement	550 sx w/2% $CaCl_2$	1650 sx w/2% Gel Plus 400 sx Neat	500 sx w/2% Gel and .4% HR-4
Number of FT^3	650	3130	200 sx w/.6% HR-4 1040
Average weight of slurry	15.3 ppg	13.6 ppg/ 15.5 ppg	13.6 ppg/ 15.6 ppg
Cement Top	Sea Floor	Sea Floor	3620 ft (Calc.)
Casing Tested with	0	1500 psi	2000 psi
Number of Centralizers	0	5	17
Number of Scratchers	0	0	0
Stage Collar etc.	0	0	0
Remarks		Gel Prehydrated	Gel Prehydrated Caliper Off Scale Above 3890'. Assumed 20" Hole.

R.L. WOOD
Engineer

VI

SUBSURFACE COMPLETION EQUIPMENT

DATE COMPLETED ____________

Schematic	Equipment Description	Length	Depth

NOT APPLICABLE

____________ Engineer

WELL SNAPPER -2

VII SAMPLES, CONVENTIONAL CORES, SW CORES

INTERVAL	TYPE	RECOVERED	INTERVAL	TYPE	RECOVERED
2500-10010	Cuttings	Every 10'	5320-2935	swc	Shot 45 Recovered 43
4348-62 (14')	Conventional Cores 1-10	Recovered 8'			
4362-92 (30')		Recovered 7'	8950-5490	swc	Shot 60 Recovered 56
4550-99 (49')		Recovered 29'	9960-9075	swc	Shot 30 Recovered 25
4599-4614 (15')		Recovered 13'			
7373-7402 (29')		Recovered 0'			
7641-7700 (59')		Recovered 59'			
7700-27 (27')		Recovered 24'			
8148-71 (23')		Recovered 20'			
8171-8211 (40')		Recovered 31'			
8211-54 (43')		Recovered 43'			

VIII WIRELINE LOGS AND SURVEYS (Incl. FIT)

Type & Scale	From To	Type & Scale	From To.
IES 2") 5")	10012-2464	FIT 1 FIT 2	7372 7372
BHCS 2") 5")	9996-2464	FIT 3 FIT 4	8172 6616
FDC-GR 2") 5")	10010-2464	FIT 5 FIT 6	5992 7560
CDM 2") 5")	9994-2464	FIT 7	6024
HDT 2") 5")	10012-8966	Velocity Survey	
LL 2") 5")	5392-3900		

B.G. McKay
Geologist

WELL SNAPPER-2

IX FORMATION TOPS/Zones

NAME	Tops M.D.	Tops Sub-sea	Gross Interval (ft)	Net Pay (ft). Gas	Net Pay (ft). Oil	REMARKS
GIPPSLAND FM.	Sea	Floor	3727			
GURNARD FM.	3938	-3907	33	7'		
LATROBE N-1	3971	-3940				
N-1.1	3971	-3940	19	12'		
N-1.2	3990	-3959	160	108'		
N-1.3	4150	-4119	91	62'		
N-1.4	4241	-4210	76	44'		
N-1.5	4317	-4286	79	67'		
N-1.6	4396	-4365	120	96'		
N-1.7	4516	-4485	174	63'		
Gas-water contact	4600	-4569				
M. diversus	4412	-4381	988			
L. balmei	5400	-5369	2960	21'	24'	
T. lilliei	8360	-8329	1650+	57'		

X GEOLOGIC ANALYSIS (Pre Drilling prognosis Vs actual results)

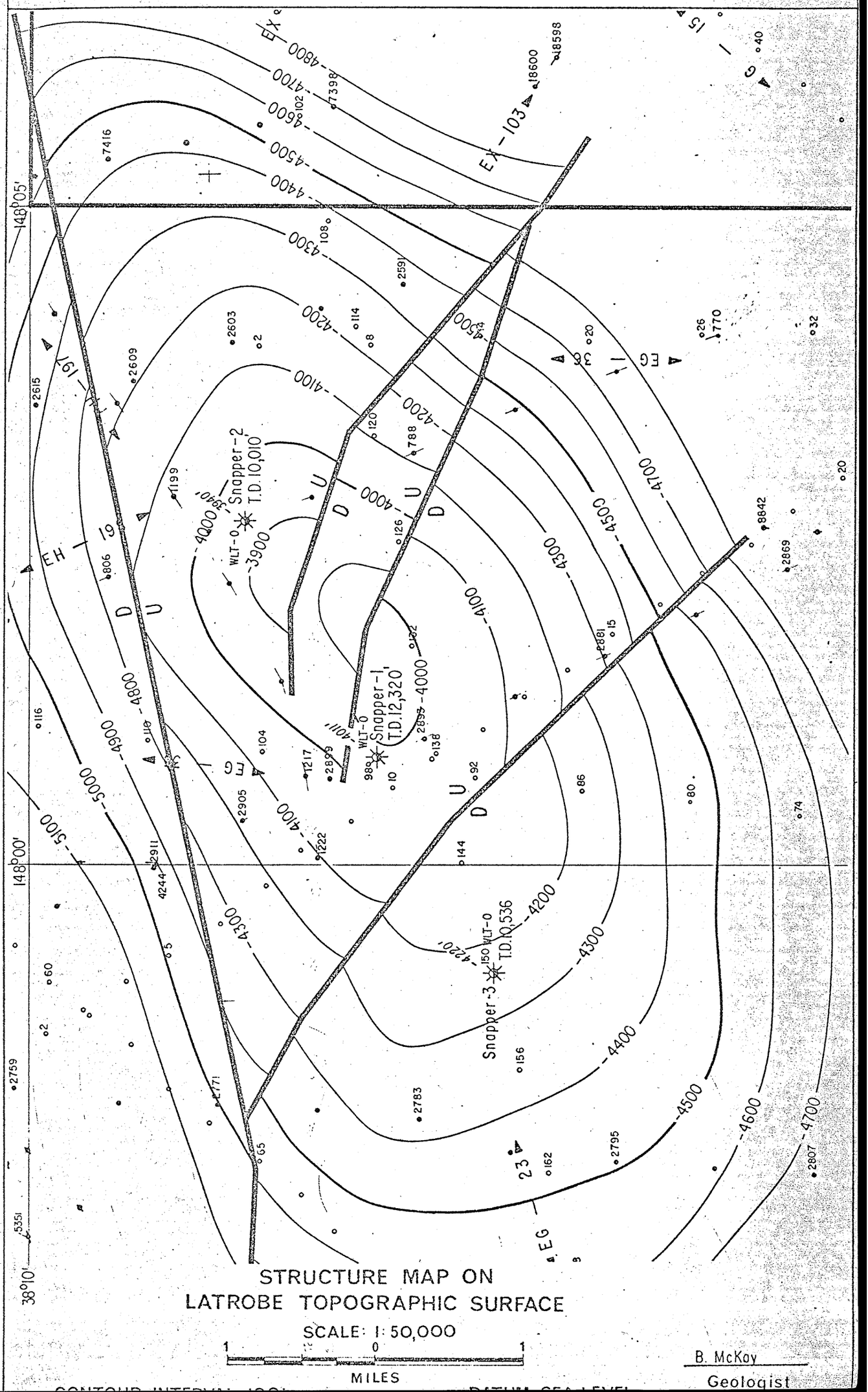
The Snapper-2 location was chosen for the first outpost because it is close to the highest point of the structure both on top and within the Latrobe and is in a different fault block to Snapper-1. It was designed to test the Paleocene section in an updip position from where shows were encountered in Snapper-1.

The well confirmed the N-1 reservoir with a similar gas-water contact to that found in Snapper-1. The Paleocene, however, was disappointing with only rare shows, which generally do not appear to correlate with shows in the first well. It is interpreted that the faults between the wells therefore act as barriers, and that any thin hydrocarbon reservoirs are of only restricted areal extent. Snapper-2 correlates between 100-200' updip from Snapper-1.

B.G. McKay
Geologist

WELL: SNAPPER 1,2,3

GEOLOGIC MAP OF AFTER DRILLING PICTURE



STRUCTURE MAP ON
LATROBE TOPOGRAPHIC SURFACE

SCALE: 1:50,000

1 0 1

MILES

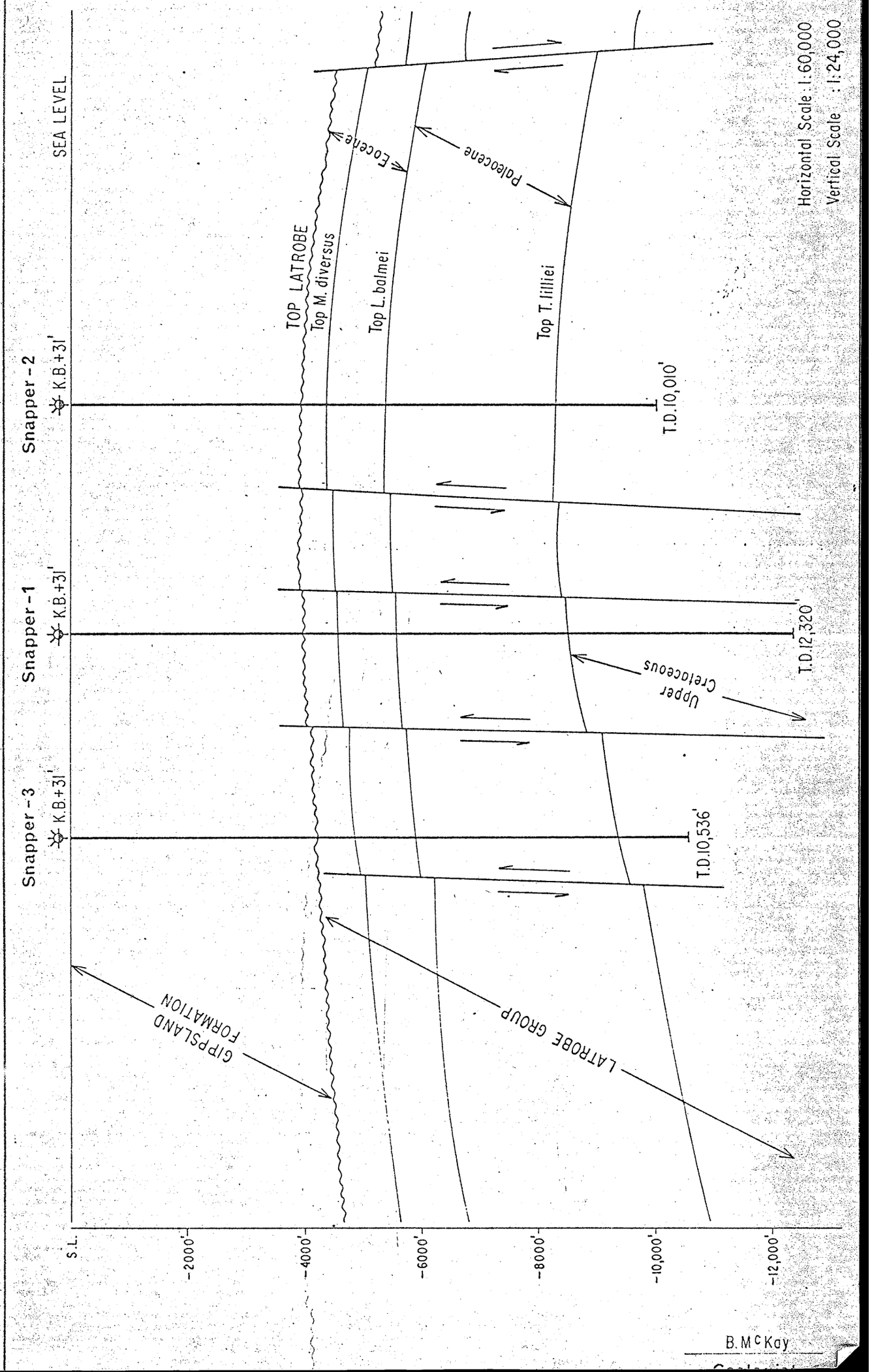
B. McKay

Geologist

CONTOUR INTERVAL 100' DATUM SEA LEVEL

WELL: Snapper Field

CROSS SECTION OF AFTER DRILLING PICTURE



B. McKay

WELL SUMMARY

SNAPPER 2 - WELL SUMMARY

Type of Well: Deep-pool Wildcat.

Purpose of Well: The Snapper 2 location was selected primarily to test the potential of stacked sands beneath the intra - M. diversus reflector within the Latrobe Valley formation and against west-northwest trending faults located northeast of Snapper 1; it was planned at the same time to check the upper hydrocarbon pay zone.

Status: Plugged & abandoned.

Location: Latitude : 38° 11' 16" South
Longitude : 148° 02' 37" East.
Shot-point 798 on line EH-198.

Lease: Vic/P2. P1

Rig: "Glomar III".

Elevation: Rotary table 31 feet above mean sea level.

Water Depth: ?175 feet.

Spudded: June 16th, 1969. On location June 13th, 1969, waited on weather before spudding.

Abandoned: 0300 hours, August 2nd, 1969.

Drilling Time: 48 days.

Total Depth: 10,010 feet (T.D.)

Casing: 30 inch shoe set at 389 feet
13 3/8 inch shoe set at 2465 feet
9 5/8 inch shoe set at 5367 feet

Cement Plugs:

Plug No	Interval (ft)	Cement (bags)	
1	9650-9328	180	Tagged
2	9300-8950	180	Not tagged
3	8600-8076	325	Tagged
4	7650-7273	200	Tagged
5	7250-6773	220	Tagged
6	6773-6373	175	Not Tagged
7	5425-2000	100	Tagged
8	500-350	50	Not Tagged

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Cores:

Ten conventional cores were cut, with an aggregate footage of 329 feet, and recovery of 234 feet. (71%).

Core No	Interval (ft)	Recovery (ft)
1	4348-4362	8
2	4362-4392	7
3	4550-4599	29
4	4599-4614	14
5	7373-7402	nil
6	7641-7700	59
7	7000-7727	24
8	8148-8171	20
9	8171-8211	30
10	8211-8254	43

45 S.W. cores were attempted, and 39 recovered.

Mudlogs:

A continuous mudlog, record was maintained by, Core Laboratories Australia Ltd., in the interval 2500-10,010 feet (T.D.)

Electric Logging:

Log	Run	Interval (ft)
IES	1	2464-5397
	2	5364-8966
	3	8966-10,012
FDC	1	2464-5395
	2	5364-7980
	3	7980-8964
	4	8964-10,010
BHCS	1	2464-5394
	2	5364-9996
Continuous Dipmeter	1	2464-5396
	2	5364-10,010
Laterolog	1	3900-5392

Hydrocarbons:

Top of Gas Column	3938 feet
Gas-Oil Contact	4568 feet
Oil-Water contact	4600 feet

Several shows of bydrocarbons were encountered from 4600 feet to Total Depth, but were either in thin sands in thick siltstone-shale sequences, or were too tight to produce. Successful formation interval tests generally gave water, although a scum of oil with pour point of 75°F was obtained at 7372 feet. The hydrocarbon shows obtained in the sands were oil and gas, and other high gas readings were obtained opposite coal seams.

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Snapper 2

Drilling Mud

Gas Chromatograph

Interval (ft)	Hot Wire	C1	C2	C3	C4	C5	C02	Hot Wire Cuttings
2500-2625	2-20	700-5000	-	-	-	-	0-5	-
2625-2925	15-43	2400-7600	0-600	-	-	-	0-10	
2925-3075	15-60	3700-15,000	150-600	-	-	-	3-9	
3075-3550	2-60	350-14,000	0-550	-	-	-	0-10	
3550-3900	3-14	360-3500	0-150	-	-	-	-	
3900-3995	6-260	700-70,000	350-7800	0-700	0-500	-	-	7-25
3995-4050	60-400	15,000-100,000	1600-9000	350-2100	150-650	0-150	-	3-55
4050-4255	25-480	6500-12,000	500-9000	0-800	0-550	-	-	4-18
4255-4335	36-1200	6000-340,000	2000-280,000	350-25,000	0-2800	0-2500	-	0-25
4335-5325	0-100	2500-60,000	100-4000	0-800	-	-	-	3-250
5325-6005	7-210	750-120,000	150-17,000	0-650	0-350	-	-	3-120
6005-6755	20-210	1900-34,000	250-2800	0-650	-	-	-	38-130
6775-7560	8-180	350-19,000	0-2800	0-350	-	-	-	3-130
7560-8695	5-150	500-22,000	150-3000	0-1300	0-250			3-30
8695-9600	3-120	500-16,000	50-1300	0-750	0-50	-	-	50-100
9600-10011	4-110	750-23,000	50-2500	0-650	-350	-	-	0-6

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Snapper 2.

Core Analysis

The following results were obtained.

Sample No.	Depth (ft.)	Permeability Hor.	Permeability Vert.	Porosity Percent	Water Saturation	Oil Saturation
1	4349	1818	2425	10.3	63.1	0
2	4350	t.f.	t.f.	12.6	71.4	0
3	4351	t.f.	t.f.	12.8	66.4	0
4	4352	74	96	15.5	60.7	0
5	4353	878	22	23.1	47.6	0
6	4354	333	256	21.6	52.3	0
7	4355	256	1161	19.2	50.5	0
8	4356	408	1620	14.7	48.3	0
9	4363	646	417	11.9	40.3	0
10	4365	201	98	13.5	43.7	0
11	4366	322	905	10.1	49.5	0
12	4367	t.f.	t.f.	24.0	53.8	0
13	4368	322	865	21.0	52.9	0
14	4369	1530	461	23.9	43.9	0
15	4551	904	878	21	54.3	10
16	4552	272	248	24.3	36.1	14
17	4553	2025	2025	21.6	40.3	12.5
18	4554	2340	2025	21.6	44.3	12.7
19	4555	4930	3260	30.1	44.9	12.6
20	4556	3260	2840	27.1	47.8	12.2
21	4557	<0.1	<0.1	1.4	38.0	0
22	4559	<0.1	<0.1	2.7	19.6	0
23	4561	123	98	15.2	59.8	7.2
24	4563	<0.1	<0.1	3.6	36.1	0
25	4568	<0.1	<0.1	7.2	28.3	0
26	4569	2425	2425	25.4	56.0	11.6
27	4570	2590	2425	27.2	55.2	7.7
28	4571	3260	2590	29.8	60.4	8.2
29	4573	0.6	1.7	6.9	37.7	8.7
30	4575	<0.1	<0.1	3.6	20.4	0
31	4577	84	84	15.9	37.7	3.8

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32	4578		287	24.8	86.3	0
33	4579		1170	24.5	85.4	0
34	4601	4.2	0.3	13.3	60.9	0
35	4603	3090	2110	35.4	68.0	0
36	4604	1460	795	27.2	88.9	0
37	4605	1520	1250	27.8	88.4	0
38	4607	1380	950	24.9	88.3	0
39	4608	1640	1640	24.6	85.6	0
40	4609	1120	1160	25.8	89.6	0
41	4620	1330	710	26.8	96.2	0
42	4611	t.f.	t.f.	26.0	93.2	0
43	4612	1650	1410	25.0	94.8	0
44	7642	72	60	15.8	55.1	0
45	7643	148	100	18.8	43.1	0
46	7644	138	144	20.1	59.7	0
47	7645	95	29	16.1	69.6	0
48	7646	1.8	0.6	13.1	70.0	0
49	7693	0.45	0.29	9.3	48.4	11.0
50	7694	0.29	<0.1	9.7	60.9	0.0
51	7695	0.14	<0.1	7.2	41.1	12.5
52	7696	1.9	1.3	13.0	60.0	1.5
53	7697	4.4	0.8	14.5	62.8	0
54	7698	11.0	1.1	10.6	62.3	0
55	7699	0.45	0.14	13.0	66.9	0
56	7700	0.6	0.29	14.6	67.8	0
57	7718	75	43	18.5	68.2	0
58	7719	230	146	21.3	70.0	0
59	7720	193	260	21.4	78.5	0
60	7721	360	70	22.8	79.4	0
61	7722	93	61	19.8	77.3	0
62	7724	225	140	23.2	86.3	0
63	8154	2.6	0.29	11.4	50.8	9.4
64	8164	70	87	12.5	48.8	8.6
65	8165	134	105	14.6	48.7	9.6
66	8166	0.45	0.29	9.1	70.4	1.0
67	8168	11	3.2	14.1	60.3	0
68	8172	313	61	17.4	49.4	5.7

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69	8173	81	21	17.5	52.0	5.7
70	8174	4.3	0.45	14.6	65.0	1.6
71	8175	156	3.3	17.4	56.9	4.6
72	8176	171	82	18.7	55.1	4.3
73	8177	555	173	18.6	62.3	4.3

Testing:

A total of 5 formation interval tests were run, three of which were successful. Details are as follows:-

F.I.T. No 1	7372 feet	-	Failed.
F.I.T. No 2	7375 feet	-	Scum oil, 18,750 ccs filtrate, 2300 ccs mud.
F.I.T. No 3	8172 feet	-	18,500 ccs filtrate, 3500 ccs mud.
F.I.T. No 4	6616 feet	-	18,350 ccs filtrate, 2400 ccs mud.
F.I.T. No 5	5990 feet	-	Failed.

Stratigraphy:

Formation	Age	Top (RT)	Sub Sea	Thickness
Gippsland Limestone	Miocene	206	175	3732 +
Latrobe Valley Formation	Upper Cretaceous to Eocene	3938	3907	6072 +

T.D. 10,010

Lithology:

Interval	
Gippsland Formation	
2500-3580 feet	Marl, light grey, soft, pyritic, fossiliferous, calcarenite, white, light grey, hard, fossiliferous, with abundant forams.
3580-3855 feet	Marl, as above, with mudstone; grey-green, soft, calcareous, silty, fossiliferous,

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Lithology (continued)

3855-3938 feet	Marl, as above, mudstone as above with siltstone, brown, hard, micaceous, glauconitic, pyritic.

Latrobe Delta Complex Formation

3938-4348 feet	Sandstone, unconsolidated, medium to coarse grained, dolomitic, quartzose.

Core No 1

4348-4362 feet	Sandstone, medium to coarse grained, firm, hard, dolomitic, fair porosity and permeability. No shows.

Core No 2

4362-4392 feet	Sandstone, as for Core No 1.
4392-4550 feet	Sandstone, unconsolidated, medium to coarse grained, quartzose, dolomitic, mudstone, siltstone, light to dark brown, micaceous, carbonaceous, soft-hard, coal, black brown, silty, shaly.

Core No 3

4550-4599 feet	Sandstone, no shows. Mudstone.

Core No 4

4599-4614 feet	Sandstone, dolomitic
4614-4880 feet	Sandstone, unconsolidated, medium to coarse grained mineral fluorescence. No shows. Siltstone, coal.
4880-5200 feet	80-100% Mudstone, trace sandstone, coal. No shows.
5200-6570 feet	Massive section of siltstone, 20-30% coal and shale with few 40-50% sandstone bands. No shows.
6570-7010 feet	Predominately siltstone, mudstone and coal, with very minor sandstone. Mineral fluorescence, no shows, more dolomitic cement at depth.

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Core No 4 (continued)

7010-7373 feet	Sandstone, dolomitic , fine to medium grained, trace blue fluorescence, no cut., siltstone, coal and shale interbeds.

Core No 5

7373-7402 feet	No recovery.
7402-7641 feet	Mainly siltstone, shale with coal and sandstone beds with trace fluorescence and fair cut below 7600.

Core No 6

7641-7646 feet	Sandstone, pin-point fluorescence.
7646-7692 feet	Coal, siltstone, & shale.
7692-7700 feet	Sandstone, w. 10-15% porosity but tight up to 12% oil.

Core No 7

7700-7702 feet	Sandstone, as above.
7702-7717 feet	Shale and coal.
7717-7724 feet	Sandstone, porous and permeable, fine grained, no fluorescence. No shows.
7724-7727 feet	No recovery.
7727-8148 feet	Mainly siltstone and shale with minor sandstone and no shows until 8140 feet where sandstone with fluorescence was noted.

Core No 8

8148-8171 feet	Siltstone, sandstone with fluorescence and cut. Oil saturation up to 9.4%. Permeability 11-134 m.d.

Core No 9

8171-8211 feet	6 feet Sandstone, porous, permeable, good fluorescence, cut, and stain., 24 feet siltstone, showing some fluorescene, with shale interbeds.

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Core No 10

8211-8254 feet	Siltstone, shale, no fluorescence
8254-8700 feet	Interbedded sandstone, siltstone, shale and some coal; some sands with yellow fluorescence and weak cut; high gas readings usually opposite coal beds.
8700-10,010 feet (TD)	Siltstone and shale, with some sandstone bands and rare coal. Sand fine to medium grained, partly dolomitic, partly clay choked. Very occasional poor yellow fluorescence and cut.

CORE DESCRIPTIONS

ESSO STANDARD OIL (AUSTRALIA) LTD. 1/13

CORE DESCRIPTION

Core No. 1

WELL: SNAPPER -2.

Interval Cored 4348 - 4362 ft., Cut 14 ft., Recovered 8 ft., (57 %) Fm. LATROBE

Bit Type C22-2598 CA , Bit Size 8 5/16 in., Desc. by Andy Wiittle Date 25/6/69

Depth & Coring Rate (min./ft.)	Graphic (1" 5')	Shows	Interval (ft.)	Descriptive Lithology
0 4 8 12 16	4348	☿	4348 - 4356 100% SANDSTONE	light grey. m-cg medium sorting firm hard sa-R dom. milky quartz grains rare dk lithic grains (chert?) Argillaceous matrix brn. in top 1' of core with thin ~ 1/8" soft brn lignitic clay lenses
		☿		? Dolic cement showing good cleavage faces when broken. Gives patchy bright yellow mineral fluorescence. Good gaseous odour. NO CUT. No bedding features or dip apparent. Porosity and permeability visibly good. (intercrystalline porosity) Very rare pyritic aggregates.
			4356 4362. — NO RECOVERY.	

REMARKS: Barrel jammed after cutting 14'.

APW.

ESSO STANDARD OIL (AUSTRALIA) LTD. 2/13

CORE DESCRIPTION

Core No. 2

WELL: SNAPPER -2.

Interval Cored 4362 - 4392 ft., Cut 30 ft., Recovered 7 ft., (23 %) Fm. LATROBE.

Bit Type C 20 - 2105, Bit Size 8 5/16 in., Desc. by Andy Whittle Date 26/6/69.

Depth & Coring Rate (min./ft.)	Graphic (1" 5')	Shows	Interval (ft.)	Descriptive Lithology
0 2 4 6	4362	☼	4362 - 4369	100% SANDSTONE quartzose lt grey f-cg dom f-mg medium sorting friable to hard Sub rounded to rounded dom milky quartz tr dk rounded lithic grains rare diss pyrite muscovite. Dolic cement in right sections giving spotted patchy bright yellow/white mineral fluorescence Where friable (30% of core) very good P & P; and core saturated with mud filtrate. Where have dol. cement P & P fair to good. No bedding or dip apparent Rare thin (< 1/4") soft dk brn lignitic clay lenses GOOD GASEOUS ODOUR - NO CUT
		☼	4369 - 4392	— NO RECOVERY
	4392			

REMARKS: Footages marked on core samples are not representative as core spilled out on drill floor. - Emptied core from barrel during heavy seas.

ESSO STANDARD OIL (AUSTRALIA) LTD. 3/13

CORE DESCRIPTION

Core No. 3

WELL: SNAPPER-2

Interval Cored 4550 - 4599 ft., Cut 49 ft., Recovered 29 ft., (57 %) Fm. LATROBE.

Bit Type C20, Bit Size 8 5/16 in., Desc. by Andy Whittle Date 28/6/69

Depth & Coring Rate (min./ft.)	Graphic (1" - 5')	Shows	Interval (ft.)	Descriptive Lithology
0 7 14	4550		4550'-4554'	SANDSTONE wh-lt gy mg, very ws, consolidated, friable, sa-R, non calc, dom milky quartz, with common dk lithic grains SR-R No bedding or dip apparent Excellent intercrystalline P & P Strong petroliferous odour lt yellow brown oil staining. Good lt yellow fluorescence strong instantaneous streaming cut
				Occasional 3" bands of sand AA with dolomitic cement giving mineral fluorescence P & P poor - fair
			4554' - 4556'	SANDSTONE AS ABOVE but unconsolidated to loosely consolidated
			4556' - 4563'	SANDSTONE AS ABOVE PER 4550-54 but dolomitized & very hard rare diss pyrite aggregates Vuggular in part P & P poor - fair Patchy pin point fluorescence odour and cut as above
	4579	O/W O		(4561.5 - 4563 1/8 - 1/4" wide dark streaks due to darker grey cement dipping 15-30°. Three of these spaced roughly 4" apart).
			4563' - 4567'3"	MUDSTONE dk. brown, firm, homogeneous, micaceous, w. carbonaceous streaks in part, non calc. Disseminated pyrite aggregates up to 1/2" diameter. Approx horizontal bedding where present May be 1°-2° dip. PTO.
	4599			

REMARKS:

LOST TORQUE - BIT WORN OUT

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

4/13

Core No. 3

WELL: SNAPPER -2

Interval Cored 4550 - 4599 ft., Cut 49 ft., Recovered 29 ft., (57 %) Fm. LATROBE

Bit Type C 20 , Bit Size 8 5/16 in., Desc. by Andy Whittle Date 28/6/69

Depth & Coring Rate (min./ft.)	Graphic (1" - 5')	Shows	Interval (ft.)	Descriptive Lithology
0 7 14	4590		4563' - 4567'3"	MUDSTONE (cont) Discontinuous wavy laminae in pt occasional more silty laminae.
			4567'3" - 4570'6"	SANDSTONE AS PER 4550' - 4554'
			4570'6" - 4577'6"	SANDSTONE As PER 4556' - 4563' with occ 3" m - cg streaks.
			4577'6" - 4579'	SANDSTONE AS PER 4554 - 4556 with two 3" intervals hard dolomitized sandstone Bottom 1' of core appears "wet" NO FLUORESCENCE OR ODOUR
	4599		4579 - 4599	NO RECOVERY. ⇒ O/W contact at 4577½ but possibly lower by as much as 20' as G/O contact not apparent at top of core. ie O/W between 4578 & 4599 - suspect close to 4592 in continuity with SNAPPER - 1

REMARKS:

5/13

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 4.

WELL: SNAPPER -2.

Interval Cored 4599 - 4614 ft., Cut 15 ft., Recovered 13. ft., (87 %) Fm. LATROBE.

Bit Type C20 , Bit Size 8 5/16. in., Desc. by Andy Whittle Date 28/6/69.

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 5 10 15	4599		4599' - 4600'6"	SANDSTONE lt gy m-cg ws very hard sa-R dom milky qtz with minor diss SR-R dk lithic grains. occ diss py aggs. Tight with dolic cement giving patchy pin point white mineral fluorescence. No bedding or dip apparent Vuguiar-intercrystalline porosity P & P poor. NO SHOWS, ODOUR OR CUT.
	4614		4600'6" - 4601'	SANDSTONE lt gy f-cg dom mg medium sorting friable-firm consolidated dom milky qtz sa-R with minor lithics AS ABOVE diss pyrite aggregates argillaceous matrix in part P & P fair Finely interlammated with MUDSTONE - lt-dk brn soft carb mic occurring in thin discontinuous subparallel lammae.
			4601 - 4612	SANDSTONE lt gy f-mg very ws friable consolidated dom milky sa R quartz with minor dk lithic grains AS ABOVE occ cg parts & rare dk brn silty lenses < 1" long poorly cemented with dol. giving patchy spotted mineral fluorescence Tr white argillaceous matrix. P & P good - very good (INTERCRYST.) NO SHOWS.

REMARKS:

Barrel Jammed

ESSO STANDARD OIL (AUSTRALIA) LTD. 6/13

CORE DESCRIPTION

Core No. 5

WELL: SNAPPER 2

Interval Cored 7373-7402 ft., Cut 29 ft., Recovered 0 ft., (0 %) Fm. LATROBE

Bit Type C 14 , Bit Size 7 3/4 in., Desc. by J. BLACK Date 9/7/69

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 6 12 18 24				DART BROKE OFF WHEN PUMPED DOWN ALLOWING CIRCULATION THROUGH INNER BARREL AND CAUSING LOSS OF CORE
75				
80				
85				
90				
95				
7400				
02				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

7/13

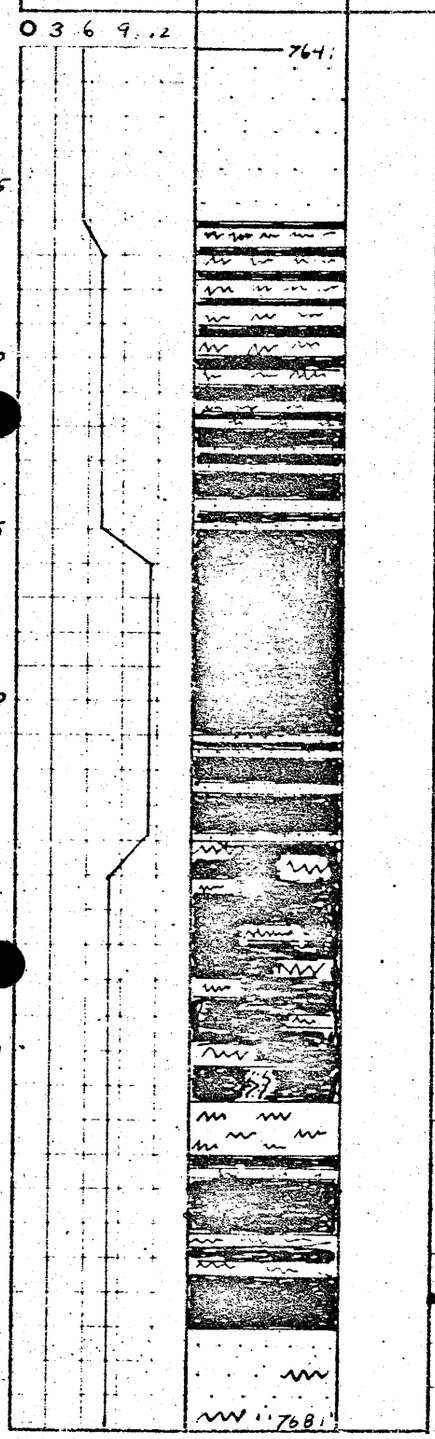
CORE DESCRIPTION

Core No. 6

 WELL: SNAPPER - 2

Interval Cored 7641 - 7700 ft., Cut 59 ft., Recovered 59 ft., (100 %) Fm. LATROBE

Bit Type C - 4 , Bit Size 8 5/8 in., Desc. by J. BLACK Date 12/7/69



Interval (ft.)		Descriptive Lithology
7641 - 7646	SANDSTONE	- Tan M/CRSE q., indurated, hard Ang/sub Ang. some clay choking V. spotty Pin-Point FL. Trace Cut
7646 - 7652	SILTSTONE & COAL	- V. Thin Horiz. interbeds of 50% Tan hard siltstone & 50% BLACK Laminated silty COAL becoming Less silty at BASE
7652 - 7655	COAL	- BLACK, Silty, firm w/ thin Horiz bands tan, f.g., silty Sandst.
7655 - 7661	COAL	- Black, clean, Vitreous Lustre, concoidal frac.
7661 - 7664	COAL & Sandstone	- Thin interbeds of COAL & Sandstone as above, Horiz.
7664 - 7670½	COAL	- BLACK, Silty, Firm, Laminated frac.
7670½ - 7671½	COAL	- As immed. above w/ siltst.-Filled Worm bores (?)
7671½ - 7673	siltstone	- tan, indur. sli. carb.
7673 - 7678	COAL	- As Above w interbeds of thin Laminated siltstones & coals as above

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD. 8/13

CORE DESCRIPTION

Core No. 6

 WELL: SNAPPER 2

Interval Cored 7647-7700 ft., Cut 59 ft., Recovered 59 ft., (100 %) Fm. LATROBE

Bit Type C-4, Bit Size 8 5/16 in., Desc. by J. BLACK Date 12/7/69

Depth & Coring Rate (min./ft.)	Graphic (1" 5')	Shows	Interval (ft.)	Descriptive Lithology
0 3 6 9 12	7681		7678-7684	SANDSTONE - TAN f/m g., silty w/ numerous HORIZ. THIN COAL BANDS, MICAC, hard, tight
85			7684-7686	SANDSTONE - AS ABOVE W/ CRINKLARED slump structures (?)
			7686-7692	SANDSTONE - TAN f.g, silty w/ few THIN Horiz. bands Coal, hard, tight MICAC., V. SPOTTY FL., fair CUT
90			7692-7694	SANDSTONE - TAN-WH, f/m g., clay CHOKED, SLI. MICAC., hard POOR POR. Yellow FL, GOOD CUT.
95			7694-7695	SANDSTONE - TAN WH. M/CRSE, SLI CALC. clay Choked hard firm GOOD Yellow FL. w/ GOOD CUT
	7700		7695-7700	SANDSTONE - AS IMMED ABOVE BUT W/ better Por & Perm, SPOTTY FL. FAIR CUT

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD. 9/13

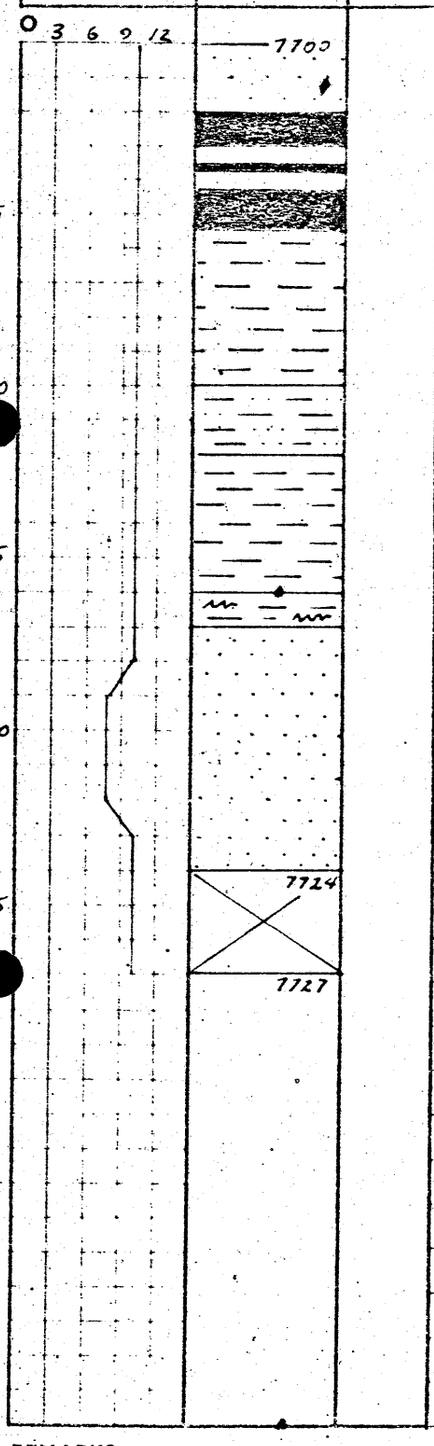
CORE DESCRIPTION

Core No. 7

WELL: SNAPPER 2

Interval Cored 7700 - 7727 ft., Cut 27 ft., Recovered 24 ft., (89 %) Fm. LATROBE

Bit Type , Bit Size in., Desc. by J. BLACK Date 12/7/69



Shows	Interval (ft.)	Descriptive Lithology
	7700 - 7702	SANDSTONE - TAN WH f/m.g., Pyritic, clay choked Tight hard int'bd w/ THIN COAL SEAMS
	7702 - 7703	COAL - BLACK, LAMINATED FRAC.
	7703 - 7704	COALY SLTST - int'bd tan indur SLTST & COAL
	7704 - 7705½	COAL - AS ABOVE
	7705½ - 7710	SHALE - DK. GRY., f. MICAC., Silty, well indur.
	7710 - 7712	SHALE - DK GRY, f. MICAC. INT'B'D W/ LT. GRY V.F.G. hard tight SS.
	7712 - 7716	SHALE - DK. GRY. CARB., MASS., f. MICAC.
	7716 - 7717	SHALE - AS ABOVE INT'B'D W/ LT. GRY THIN SILTST.
	7717 - 7724	SANDSTONE - WH. M/CRSE, FRIABLE, SUB RND SUB ANG., POORLY SORTED W FEW DK GRY CHT (?) gs. GOOD POR NO FL.

REMARKS:

10/13

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

Core No. 8

WELL: SNAPPER-2

Interval Cored 8148-8171 ft., Cut 23 ft., Recovered 20 ft., (87 %) Fm. U. CRET. (?)

Bit Type C-8, Bit Size 8 5/16 in., Desc. by J. BLACK Date 15/7/69

Depth & Coring Rate (min./ft.)	Graphic (1" - 5')	Shows	Interval (ft.)	Descriptive Lithology
0			8148-8151	SHALE - DK. GR., CARB., MASS., INDUR., fi MICAC.
50			8151-8152	COAL - BLACK, CLEAN, CONC. FRAC., & SHALE AS ABOVE
		*	8152-8153	SANDSTONE - TAN WH, f/m. g., TR. LT GRN. GS., CLAY CHOKED, SLI CARB., GOOD ODOR, FL. & CUT.
55			8153-8157	SHALE - AS ABOVE W/ THIN HORIZ. INTERBDS OF DK GR, V. HARD MICAC. SILTSTONES, SOME SHOWING SED. STRUCTS.
			8157-8160½	SHALE - DK. GR. CARB. MASS., INDUR.
60			8160½-8163	SANDSTONE. WH M/CRSE ANG QTZ, PYRITIC, FEW SHALE PEBS. SOME CLAY CHOKING, GOOD ODOR, FL & CUT
		*	8163-8164½	SANDSTONE - AS ABOVE W/ FEW THIN HORIZ. LAMINAE OF CARB MATTER GOOD ODOR, FL & CUT
65		*	8164½-8166	SHALE - AS ABOVE INT'BD. W/ THIN BRO WH F/. TIGHT, HORIZ SS.,
		*	8166-8168	SANDSTONE - WH M/CRSE QTZ, FRIABLE, CLAY CHOKED, GOOD ODOR, FL & CUT.
70				

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD. 11/13

CORE DESCRIPTION

Core No. 9

-2.

Interval Cored 8171 - 8211 ft., Cut 40 ft., Recovered 31 ft., (77 %) Fm. U Cret(?)

Bit Type C8, Bit Size 8 5/16 in., Desc. by Andy Whittle. Date 15/7/69.

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 5 10 15 20	8171		8171 - 8177	SANDSTONE. White - gy brn. m - cg WS sa - sr firm - friable sli dolic. carb patches & occ coaly laminae appiox ½ cm thick. wh. argill. matrix. occ. lithic grains. No apparent bedding. Good P & P. Strong wh / yell fluor. strong streaming cut. petrol odour. brown staining.
			8177 - 8177½	SANDSTONE AA but medium grained with coal lenses spaced ¼" apart
			8177½ - 8181	SHALE blk massive hard carbonaceous.
			8.81 - 8.85	SILTSTONE / f gy brn firm carbonaceous v/ thin discontinuous irregularly spaced shaly laminae patchy fluor cut petrol if odour where sandy
			8185 - 8188	SHALE AA
			8188 - 8189	SILTSTONE AA
			8189 - 8190	SHALE AA
			8190 - 8198	SILTSTONE AA
			8198 - 8202	SHALY SILTSTONE - interbedded Shale & siltstone AA
	8202		8202 - 8211	NO RECOVERY
40				

REMARKS: BARREL JAMMED

ESSO STANDARD OIL (AUSTRALIA) LTD. 12/13

CORE DESCRIPTION

Core No. 10

WELL: SNAPPER-2

Interval Cored 8211 - 8254 ft., Cut 43 ft., Recovered 43 ft., (100 %) Fm. U Golf (?)

Bit Type C 20, Bit Size 8 5/16 in., Desc. by. HINDY WHITTLE. Date 16/7/69.

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 2 4 6 8	8211		8211 - 8243½	SILTSTONE - shaley lt gy massive indurated hard mic carbonaceous w/ tr fine diss. py. In places finely interlaminated with shale dk gy hard as shown graphically The laminations are thin & generally discontinuous Usually horizontal but may show up to 5° dip.
			8243½ - 8246	SANDSTONE - s.stg. vfg hard tight carbonaceous micaceous - P&P poor. NO SHOWS.
			8246 - 8251	SILTSTONE AS ABOVE
			8251 - 8254	SHALE dk gy. massive, indurated carbonaceous
	825			

REMARKS:

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION 13/13

Core No. 10

WELL: SNAPPER -2

Interval Cored 8211 - 8254 ft., Cut 43 ft., Recovered 43 ft., (100 %) Fm. U Cret (?).

Bit Type C20 , Bit Size 8 5/16 in., Desc. by ANDY WHITTLE. Date 16/7/69.

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
0 2 4 6	8251 — 8254			

REMARKS: BARREL JAMMED.

SIDE-WALL CORE DESCRIPTIONS

Run 1

SNAPPER 2

Page 1 of 8

C.S.T. DESCRIPTIONS

S.W.C. DESCRIPTIONS

	Depth (ft.)	Recovery (inches)	Description
1	5320	1½	Mudstone; medium grey, massive, slightly calcareous, with abundant plant remains, medium hard.
2	5176	¼	Claystone; light-medium grey, massive, medium hard, slightly calcareous.
3	5104	½	Claystone; silty, light grey, massive, medium hard, slightly calcareous.
4	5016	¾	Shale; carbonaceous, medium-grey to dark brown, with carbonaceous laminae, very thin, parallel and discontinuous; non-calcareous; medium hard.
5	4862	¾	Shale; silty, medium grey, massive, firm, disintigrates readily in water.
6	4656	¼	Marl; buff, massive, very soft.
7	4605	1	Sandstone; light grey, medium to coarse frosted quartz, predominantly medium grained, well sorted, angular to rounded, with occasional black chert grain; very friable; minor clay matrix; matrix does not reaction in water or acid; no fluorescence; no cut; no odour; good porosity and permeability.
8	4600	¾	Sandstone; buff, very fine-pebble quartz, predominantly coarse grained; poorly sorted; angular to well rounded; with occasional black chert grain; very friable, minor clay in matrix; yellow-white fluorescence; strong blue-white cut; strong petroliferous odor; good porosity and permeability.
9	4595	¼	Sandstone; buff, very fine-coarse quartz, poorly sorted, angular to sub angular, very hard, dolomitic matrix, patchy yellow-white fluorescence; good blue-white cut; slight petroliferous odor; matrix does not react to water; tight.
10	4580	-	No recovery.
11	4572	½	Sandstone; buff, very fine-very coarse quartz grain, predominantly coarse grained; poor to medium sorting, angular - rounded; very friable, slightly dolomitic, very clayey matrix, breaks down readily in water; even yellow-white fluorescence, strong blue-white cut; strong petroliferous odor; medium-good porosity and permeability.
12	4558	½	Sandstone; light grey, very fine-pebble quartz grain; with abundant smokey quartz; poorly sorted; angular to rounded, very friable, slightly dolomitic and micaceous, clay choked, sample disintegrates in water; no fluorescence, no cut and no odour.
13	4550	¾	Sandstone; light grey; fine-very coarse frosted

			quartz; predominantly medium grained; well sorted, angular - rounded; very friable, dolomitic; clay matrix; sample breaks down readily in water; no fluorescence, no cut, no odour.
14	4540	½	Sandstone; light grey; medium-pebbly, frosted-smokey quartz; medium sorting; angular to rounded; friable; slightly dolomitic; clay choked; no fluorescence; no cut; no odour; fair porosity and permeability.
15	4506	¾	Sandstone; light grey, very fine-very coarse, clear frosted quartz; medium sorting; angular; friable; clay choked; no fluorescence; no cut; no odour; good porosity and permeability.
16	4321	1	Shale; very silty; medium brown, massive, medium hard; micaceous and carbonaceous.
17	4314	½	Sandstone; light grey, fine to medium grained, clear quartz; well sorted; angular; very friable; slightly micaceous, pyritic; very slight clay matrix; no fluorescence, no cut, good porosity and permeability.
18	4310	¾	Sandstone; light grey, fine-medium grained, clear quartz; well sorted, angular; ve y friable; slightly micaceous and pyritic; very slight clay matrix; no fluorescence, no cut; good porosity and permeability.
19	4305	1	Sandstone; light grey, fine to medium grained, clear-smokey quartz; moderate sorting; angular to rounded; slightly micaceous, clay choked, disintegrates in water; no fluorescence; no cut; good porosity and permeability.
20	4294	¾	Sandstone; light grey, fine to coarse grained; predominantly medium grained; moderate to well sorted; friable;pyritic coating on some grains, no fluorescence; no cut; slightly petroliferous odour; good porosity and permeability.
21	4285	½	Sandstone; light to medium grey, medium-pebble smokey and clear quartz; poorly sorted; very friable; pyritic coating on some grains; slight clay matrix; slightly dolomitic; no fluorescence; no cut; good porosity and permeability; crumbles readily in water.
22	4275	½	Sandstone; light grey, medium grey; well sorted; friable; clay matrix; no fluorescence; no cut; good porosity and permeability.
23	4180	¾	Shale; silty; massive, very carbonaceous, firm, micaceous.
24	4020	¼	Sandstone; light brown, fine-pebbly quartz grain; poorly sorted; angular to rounded; completely clay choked; no fluorescence; no cut; poor porosity and permeability.
25	3988	1¼	Shale; very carbonaceous; dark brown; laminated; soft; thin interlaminated brown coal; pyritic.
26	3867	1½	Shale; very calcareous; dark grey; massive, firm.
27	3727	1¾	Shale; very calcareous; dark grey, massive, firm.
28	3593	1¾	Shale; very calcareous; dark grey, massive, firm.

29	3395	1½	Shale; very calcareous; dark grey; massive, firm. 3/8
30	3000	1½	Shale; very calcareous; dark grey, massive, firm; as above.
31	4603	0	No recovery
32	4580	¼	Sandstone; light grey; very fine-coarse quartz grain; poorly sorted; angular; very friable; slightly dolomitic, matrix; clay choked, disintegrates in water; patchy blue yellow fluorescence; good cut; petroliferous odour moderate porosity and permeability.
33	4568	1½	Sandstone; light grey; fine-very coarse grain, predominantly coarse grained; angular to rounded, very friable; clay matrix, patchy yellow white fluorescence; good blue-white cut; strong petroliferous odour, good porosity and permeability
34	4565	1	Sandstone; buff, fine-very coarse grain; poorly sorted; angular to rounded, very friable; no fluorescence, no cut, no odour, good porosity and permeability.
35	4562	1¼	Sandstone; light grey; fine-coarse grain; medium to well sorted, angular to rounded, friable; clay matrix; no fluorescence, no cut, no odour, porous and permeable.
36	4415	3/4	Shale; medium grey, massive, very soft, slightly calcareous
37	4385	¼	Sandstone; light grey, coarse pebble, medium to well rounded, medium sorted, friable, clay matrix, no fluorescence, no cut, porous and permeable.
38	4321	½	Shale; medium grey-brown; very silty; laminated with fine interlaminated carbonaceous laminae, silt laminae and shale laminae; micaceous.
39	4232	½	Shale; dark brown; with fine discontinuous silty laminae, micaceous; very carbonaceous
40	4102	½	Siltstone; tan; massive; firm; very micaceous; very pyritic.
41	4060	1	Mudstone; massive, non calcareous; slightly micaceous; with occasional organic plant remains.
42	4036	1½	Shaly siltstone; grey to dark brown, laminated; with thin, parallel, continuous brown coal and shale laminae separating thin silty laminae; slightly calcareous; very micaceous.
43	3965	1½	Siltstone-shaly; dark grey; with occasional sand grains; laminated; very glauconitic; very micaceous, carbonaceous laminae, very calcareous.
44	3235	3/4	Marl; light brown-grey; massive, soft; very calcareous.
45	2935	1½	Marl; dark grey; massive, firm.

Run 2 1/3

Gun No.1 Side Wall Core Descriptions Snapper-2 21.7.69 A.P.Whittle 4/8

NO	DEPTH	RECOVERY	SHOW	DESCRIPTION
30	5506'	1½		Sandstone: white, clean, fine grained, well sorted, subangular to subrounded, carbonaceous, slightly micaceous, argillaceous matrix, friable, pyritic, no fluorescence.
29	5510'	1		Sandstone: as above, no show.
28	5702'	1		Sandstone: as above but fine to very fine grained, i.e. grading to siltstone, no show.
27	5709'	½		Sandstone: white, fine to very fine grained, well sorted, subangular to subrounded, argillaceous matrix, friable, no fluorescence, grading to siltstone, very thin silty and carbonaceous laminae.
26	5774'	½		Sandstone: as above with silty laminae, no show.
25	5990'	½		Sandstone: white, fine to very fine grained, soft, friable, occasional dark lithic grains, slightly micaceous, well sorted, with white argillaceous matrix, a ½ cm thick carbonaceous shaly lense or lamina which is micaceous. Porosity and permeability good. Strong patchy white fluorescence, good strong instantaneous light yellow streaming cut.
24	5994'	½.		Sandstone: grading to siltstone, fine to very fine grained, white quartzose, with argillaceous matrix, numerous very thin sub parallel discontinuous carbonaceous laminae, slightly micaceous, no show.
23	6020'	1		Sandstone: white, fine to very fine grained, quartzose with argillaceous matrix, well sorted, occasional lithics? or carbonaceous flecks, good porosity and permeability, no fluorescence or shows.
22	6252'	½		Sandstone: white, fine to very fine grained, well sorted, micaceous, carbonaceous flecks, argillaceous, matrix, lithics, no fluorescence or cut.
21	6265'	1		Sandstone: as above with thin silty carbonaceous laminae.
20	6519	¼		Sandstone: as above with no shows or laminae, good porosity and permeability

SNAPPER-2
RUN-2
GUN-1.

NO	DEPTH	RECOVERY	SHOW	DESCRIPTION
19	6533'	½		Sandstone: white to light grey, fine grained, argillaceous matrix, micaceous, carbonaceous flecks, lithics, good to fair porosity and permeability, no shows.
18	6542'	3/4		Sandstone: white, clean, quartzose, friable, subangular to subrounded, well sorted, rare lithics, and pink grains (garnet?), no fluorescence, excellent porosity and permeability.
17	6624'	1¼		Sandstone: light grey, fine to medium grained, soft friable, medium sorting, subangular to subrounded, rounded, dark lithic fragments, carbonaceous, micaceous, with white argillaceous matrix. Porosity and permeability very good, strong patchy white fluorescence, very strong instantaneous yellow white streaming cut.
16	6638'	1¼		Sandstone: white, fine grained, well sorted, non calcareous, friable, fair porosity and permeability, argillaceous matrix. No shows or fluorescence.
15	7109'	½		Sandstone: white to light grey, fine to very fine grained, well sorted, quartzose, with argillaceous matrix, slightly micaceous, porosity and permeability poor to fair, no shows.
14	7363'	0		No recovery.
13	7371	½		Sandstone: white to light grey, fine grained, soft, friable, shattered, micaceous, carbonaceous, porosity and permeability good, white argillaceous matrix. Patchy, strong yellow, white spotted fluorescence, strong yellow white streaming cut. (7375' was tested with FIT No.1)
12	7382'	¼		Sandstone: white, fine grained, well sorted, argillaceous matrix, carbonaceous fragments, micaceous, green mineral (glauconite?), no show.
11	7393'	½		Sandstone: white to light grey, fine to medium grained, well sorted, white argillaceous matrix, micaceous, occasional lithics, friable, no show.
10	7826'	½		Sandstone: white to light grey, fine grained, tight argillaceous choking, no fluorescence, carbonaceous, micaceous

SNAPPER-2
RUN-2. GUN-1. 6/8

NO.	DEPTH	RECOVERY	SHOW	DESCRIPTION
9	8140'	½		Sandstone: light grey, fine to medium grained, shattered soft and friable, medium sorting, subangular to subrounded, trace of disseminated pyrite, carbonaceous, micaceous, with white calcareous matrix, porosity and permeability fair to good, strong patchy spotted fluorescence, fair yellow white streaming cut.
8	8170'	½		Sandstone: light grey to brown, fine grained, shattered, soft, friable, well sorted, carbonaceous, micaceous, traces of emerald green mineral (glauconitic?), porosity and permeability fair to good, strong patchy spotted yellow to white fluorescence, good strong instant streaming cut and fluorescent halo.
7.	8318'	½		Sandstone: white to light grey, fine grained, well sorted, subangular to subrounded, pyritic occasional lithics, slightly carbonaceous porosity and permeability fair to poor, weak patchy white fluorescence, no cut.
6.	8510'	½		Sandstone: white, fine grained, well sorted, subangular to subrounded - thin carbonaceous streak, rounded black lithic fragments, argillaceous matrix, weak patchy white fluorescence, very weak streaming cut.
5	8568'	fragments did not buy		Siltstone: brown to grey, carbonaceous, sandy, micaceous, non calcareous, no show.
4.	8574'	½		Sandstone: grey-buff, (brown staining?) fine grained, subangular to subrounded, soft, friable, very well sorted, carbonaceous, micaceous, trace of green mineral (glaucontic?). Excellent porosity and permeability. Strong yellow patchy spotted fluorescence. Strong instantaneous bright yellow streaming cut.
3.	8750'	½		Sandstone: white to light grey, fine grained, well sorted, subangular to subrounded, micaceous with occasional lithic fragments, argillaceous, matrix, porosity and permeability fair, very poor spotted pin-point gold fluorescence, no cut.
2	8822'	0	-	No recovery
1	8950'	0	-	No recovery

Run 2 1/2

Gun No. 2 Side Wall Core Description Snapper-2 21.7.69 A.P.Whittle 7/8

NO.	DEPTH	RECOVERY	DESCRIPTION
31	8910'	1¼	Shale : dark brown, soft carbonaceous, micaceous.
32	8800'	1½	Sandstone: white, fine to medium grained, well sorted, subangular to subrounded, soft, friable, dark rounded lithic grains, scattered pin-point weak white fluorescence, weak streaming cut ✳ N.B. Shot here for shale but apparently hit thin sand at 8804.
33	8736'	frags	Shale: dark brown, soft carbonaceous, micaceous.
34	8620'	½	Shale: as above
35	8495'	¼	Shale: as above
36	8400'	¼	Siltstone: light grey, soft, very carbonaceous, shaly, micaceous.
37	8275'	1 3/4	Shale: dark brown, clayey, soft, carbonaceous, micaceous, silty.
38	8120'	½	Shale: as above
39	8010'	½	Shale: as above
40	7960'	½	Shale: black, firm, argillaceous
41	7860'	1	Shale: dark brown soft, micaceous
42	7814'	1	Shale: firm with thin coal lenses, black
43	7572'	3/4	Shale: dark brown, firm, micaceous, rare silty lenses.
44	7426'	1	Shale: medium grey, firm, micaceous.
45	7340'	½	Siltstone: light grey, hard, carbonaceous, micaceous.
46	7253'	½	(100% coal) black, brittle - not payed for.
47	7060'	1	Mudstone: firm, light grey, homogeneous
48	6924'	3/4	Shale: dark brown, firm, silty in part, carbonaceous, pyritic, micaceous.
49	6848'	1¼	Mudstone: soft, light grey, homogeneous.
50	6732'	1	Silty Shale: dark brown to grey black, firm, micaceous.
51	6608'	1	Shale: dark brown as above with silty lenses that are light grey.

2/2

SNAPPER-2.
RUN-2
GUN-2.

8/8

NO	DEPTH	RECOVERY	DESCRIPTION
52	6561'	2	Shale: dark brown, firm, carbonaceous, micaceous.
53	6402'	1¼	Siltstone: light grey, argillaceous, firm thin carbonaceous laminae and micaceous patchy white fluorescence, weak, streaming cut. *
54	6286'	1	Shale: dark brown, firm, micaceous, carbonaceous.
55	6144'	1	Shaly Siltstone: interlaminated, dark brown shale and light grey siltstone.
56	6050'	1	Siltstone: light grey, firm, micaceous.
57	5886'	1¼	Shale: soft, light grey, carbonaceous.
58	5758'	1¼	Shale: as above
59	5603'	1	Siltstone Shaly: fawn, carbonaceous, micaceous.
60	5490'	1	Shale: firm dark brown, homogeneous, carbonaceous, micaceous.

BIOSTRATIGRAPHY

WELL NAME SNAPPER-2 ELEV.

Foram Zonules

	Top	Base
A		
B		
C		
D_1		
D_2		
E		
F		3600
G	3600	3900?
H	?	?
I_1	N	P
I_2	N	P
J_1	N	P
J_2	N	P
K		

Spore/Pollen Zonules by P.R. Evans
February 1970

WELL: SNAPPER 2

ZONE	SUB-ZONE	DEPTH	SAMPLE
N. goniatus		4036	SWC
	N. asperus	4232	SWC
		4321	SWC
	P. asperopolus	4415	SWC
M. diversus		4862	SWC
		5320	SWC
L. balmei		5490	SWC
		8253	C.10
*T. lilliei		8495	SWC
		8910	SWC
N. senectus			
P. pachyexinus			
C. triplex			
A. distocarinatus			
** T. pannosus			

N - Nothofagidites
M - Malvacipollis
L - Lystigepollenites
* T1 - Tricolporites
P - Proteacidites
C - Clavifera
A - Appendicisporites
** T2 - Tricolpites

WELL NAME SNAPPER -2 ELEV.

Dinoflagellate Zones

	Depth	Sample
N. asperus - O. diktyoplokus		
- D. extensa	4232	? swc

4321 (swc) Indeterminate

BASIN GIPPSLAND DATE

WELL NAME SNAPPER-2 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										
	U. N. asperus										
	M. N. asperus										
	L. N. asperus	4036	1				4232	1			
EOCENE	P. asperopolus	4321	1				4415	1			
	U. M. diversus										
	M. M. diversus										
	L. M. diversus	4862	1				5320	1			
PALEOC	U. L. balmei	5490	1				6608	1			
	L. L. balmei	6732	2				6924	1			
	T. longus	7702	1				8218	1			
L. CRETACEOUS	T. lilliei	8620	1	8495	2		8910	1			
	N. senectus										
	C. trip./T.pach.										
	C. distocarin.										
	T. pannosus										
EARLY CRETACEOUS											
RE-CRETACEOUS	T.D	10010									

COMMENTS: Deflandrea heterophlycta Dinoflagellate Zone 4232(2)
Marine ingressions of the Wetz. homomorpha Dinoflagellate Zone occurs only in the two samples at 6144' and 6608'.

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./A.D.P. DATE June 1971; Dec. 1971.

DATA REVISED BY: A.D.P. DATE Jan. 1975.

FORM No R 315 12/72

Form R 193 3/71

BASIN GIPPSLAND BASIN BY David TAYLOR

WELL NAME SNAPPER-2 DATE 20 April 1971 ELEV. +31'

Foram Zonules

		Highest Data	Quality	2 Way Time	Lowest Data	Quality	2 Way Time
MIOCENE	A Alternate						
	B Alternate						
	C Alternate						
	D_1 Alternate	2935	1		3100	1	
	D_2 Alternate	3235	1		3593	1	
	E Alternate	3650	1		3727	1	
	F Alternate	3727	1		3967	1	
	G Alternate						
	H_1 Alternate						
	H_2 Alternate						
OLIGOCENE	I_1 Alternate						
	I_2 Alternate						
	J_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 SNAPPER 2 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	4036 (4005)	1			1.028	4232 (4201)	1			1.073
EOCENE	P. asperopolus	4321 (4290)	1			1.094	4415 (4384)	1			1.114
EOCENE	U. M. diversus										
EOCENE	L. M. diversus	4862 (4831)	1			1.205	5320 (5289)	1			1.299
EO-CENE	L. balmei	5490 (5459)	1			1.329	6924 (6893)	1			1.609
EO-CENE	T. longus	7572 (7541)	2	7702 (7671)	1	1.695 1.715	8218 (8187)	1			1.797
LATE CRETACEOUS	T. lilliei	8495 (8464)	1			1.838	8910 (8877)	1			1.902
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. 10010 (9.064)

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

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

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. Snapper No.2

DATE ANALYSIS COMPLETED November 28, 1975

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	4351'0"	4351'6"	Sst; m. gr to v.c.gr.	14.7	616	1252	2.30	2.68	1.7	trace	N.D.	Nil	irregular spotted yellow	Nil
1	4355'8"	4356'0"	Sst; c. gr	20.9	N.D.	7200	2.13	2.69	1.0	trace	N.D.	Nil	Nil	Nil
2	4363'0"	4363'4"	Sst: c.gr. to v.c.gr	12.5	N.D.	1079	2.38	2.71	0.3	trace	N.D.	Nil	Nil	Nil
2	4368'9"	4369'0"	Sst; m.gr. to v.c.gr.	11.0	N.D.	256	2.42	2.70	0.8	trace	N.D.	Nil	Nil	Trace
3	4550'5"	4550'10"	Sst; f.gr. to m.gr.	22.0	966	1097	2.09	2.65	0.2	3.7	N.D.	strong	even yellow	Good
3	4554'0"	4555'0"	Sst; f.gr. to c.gr.	22.4	N.D.	1439	2.08	2.66	0.2	8.9	N.D.	strong	even yellow	Good
3	4563'5"	4563'8"	Sst; m.gr. to c. gr.	12.2	N.D.	256	2.37	2.69	0.8	2.4	N.D.	fair	trace yellow	Trace
3	4573'9"	4574'0"	Sst; m.gr. sl. calc.	15.3	79	189	2.29	2.70	0.2	3.1	N.S.	fair	as above	Trace

Remarks: - Core No.5 No recovery
*- Fractured

General File No. 74/1070
Well File No. _____

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

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. Snapper No.2

DATE ANALYSIS COMPLETED November 28, 1975

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				
3	4578'6"	4579'0	Sst; c. gr sl. calc.	14.2	79	5.6	2.32	2.68	1.0	Trace	N.D.	Nil	Trace yellow	nil
4	4603'0"	4603'8"	Sst; f. gr. to c.gr.	27.8	N.D.	1630	1.91	2.65	49	Trace	N.D.	Nil	dull spotted yellow	nil
4	4607'8"	4608'0"	Sst; m.gr. to c.gr.	24.1	N.D.	752	2.02	2.65	73	Trace	N.D.	Nil	Nil	nil
4	4611'7"	4612'0"	Sst; m.gr. to v.c.gr.	26.3	N.D.	2325	1.96	2.64	6.5	Trace	N.D.	Nil	Nil	nil
6	7649'0"	7649'8"	sh. silty pyr.	4.1	<0.1	17*	2.45	2.56	3.5	0.5	N.D.	fair	good irregular yellow	fair
6	7670'0"	7670'9"	Sst; v.f.gr. carb	10.9	0.13	0.12	2.39	2.67	24	1.8	N.D.	Nil	Nil	Nil
7	7720'6"	7721'0"	Sst; m.gr.	19.4	N.D.	258	2.15	2.66	51	Trace	N.D.	Nil	Trace irregular yellow	Nil

Remarks: - Core No. 5 No recovery

* - Fractured

General File No. 74/1076

Well File No. _____

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

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. Snapper No.2

DATE ANALYSIS COMPLETED November 28, 1975

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	Simple "cut" in tetrachlorethylene
	From	To			V	H	Dry Bulk	Apparent Grain	Water	Oil				
8	8160'0"	8160'6"	Sst; f.gr. carb.	10.0	0.18	0.42	2.40	2.66	0.4	1.3	N.D.	trace	spotted yellow	Fair
9	8174'7"	8175'0"	Sst; m.gr. to c.gr.	18.0	119	222	2.18	2.65	9	10.9	N.D.	good	even blue	Good
10	8242'6"	8242'10"	Sst; v.f.gr. to f. gr. silty	10.6	0.33	0.18	2.39	2.67	2	Nil	N.D.	nil	Trace spotted yellow	Nil

Remarks: -

General File No.

Well File No.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS
October 1, 1969

Esso Standard Oil (Australia) Ltd.
Box 4249, G. P. O.
Sydney, New South Wales 2001

Attention: Mr. C. A. Pierce

Subject: Core, Mud and Cuttings Analysis
Snapper 2 Well
Snapper Field
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 2500 feet to the total of 10,011 feet. Using standard equipment plus a Programmed Hydrocarbon Detector and a Beckman G-C-1 chromatograph, 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. Additionally, shale densities were determined periodically. All core analysis was performed by conventional procedures. The results of these operations are shown on the accompanying Grapholog and Coregraph.

Hydrocarbon Shows: Minor concentrations of methane and ethane gas were encountered from the start of logging at 2500 feet to 3900 feet. Major increases of petroliferous gas were noted from 3900 feet to total depth 10,011 feet. The full significance of this gas is somewhat confused by the high percentage of coal through this section. The zone 3900 to 4600 feet appears most significant in view of the higher concentrations of propane and butane and the traces of pentane. Other zones of particular interest are from 6590 to 6650 feet and the sands between 8490 and 9990 feet. No fluorescence was detected in any of the cuttings.

Core Analysis: Core Analysis of the zone 4348 feet to 4612 feet indicated very good reservoir conditions with relatively low water saturations. Gas production is indicated from Cores 1 and 2. Oil production is indicated from the permeable part of Core 3 down to approximately 4571 where the oil-water contact appears to be. Water production is indicated from the intervals of Cores 4, 6 and 7. Probable oil production is indicated from 8163 to 8165 in Core 8. Probable water production is indicated from Core 9.

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.

Yours very truly,

Core Laboratories Australia (QLD) Ltd.

Joe B McAdams (JBM)

Joe B. McAdams
Resident Manager

JBM:dl
12 cc. - Addressee

PE601490

This is an enclosure indicator page.
The enclosure PE601490 is enclosed within the container PE905072 at this location in this document.

The enclosure PE601490 has the following characteristics:

ITEM_BARCODE	= PE601490
CONTAINER_BARCODE	= PE905072
NAME	= Well Completion Log
BASIN	= GIPPSLAND
PERMIT	= VIC/P1
TYPE	= WELL
SUBTYPE	= COMPLETION_LOG
DESCRIPTION	= Well completion log (enclosure from WCR) for Snapper-2
REMARKS	=
DATE_CREATED	= 2/08/69
DATE_RECEIVED	=
W_NO	= W550
WELL_NAME	= SNAPPER-2
CONTRACTOR	=
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC

(Inserted by DNRE - Vic Govt Mines Dept)

PE603640

This is an enclosure indicator page.
The enclosure PE603640 is enclosed within the container PE905072 at this location in this document.

The enclosure PE603640 has the following characteristics:

ITEM_BARCODE	= PE603640
CONTAINER_BARCODE	= PE905072
NAME	= Mud Log
BASIN	= GIPPSLAND
PERMIT	= VIC/P1
TYPE	= WELL
SUBTYPE	= MUD_LOG
DESCRIPTION	= Mud (Grapholog) Log for Snapper-2
REMARKS	=
DATE_CREATED	= 22/06/69
DATE_RECEIVED	=
W_NO	= W550
WELL_NAME	= SNAPPER-2
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE603641

This is an enclosure indicator page.
The enclosure PE603641 is enclosed within the container PE905072 at this location in this document.

The enclosure PE603641 has the following characteristics:

ITEM_BARCODE	= PE603641
CONTAINER_BARCODE	= PE905072
NAME	= Completion Coregraph Log
BASIN	= GIPPSLAND
PERMIT	= VIC/P1
TYPE	= WELL
SUBTYPE	= WELL_LOG
DESCRIPTION	= Completion Coregraph Log for Snapper-2
REMARKS	=
DATE_CREATED	= 31/07/69
DATE_RECEIVED	=
W_NO	= W550
WELL_NAME	= SNAPPER-2
CONTRACTOR	= CORE LABORATORIES AUSTRALIA LTD
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)

PE902849

This is an enclosure indicator page.
The enclosure PE902849 is enclosed within the container PE905072 at this location in this document.

The enclosure PE902849 has the following characteristics:

ITEM_BARCODE	= PE902849
CONTAINER_BARCODE	= PE905072
NAME	= Tome/Depth Curve
BASIN	= GIPPSLAND
PERMIT	= VIC/P1
TYPE	= WELL
SUBTYPE	= VELOCITY_CHART
DESCRIPTION	= Time/Depth Curve (enclosure from WCR) for Snapper-2
REMARKS	=
DATE_CREATED	= 7/09/71
DATE_RECEIVED	=
W_NO	= W550
WELL_NAME	= SNAPPER-2
CONTRACTOR	=
CLIENT_OP_CO	= ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC

(Inserted by DNRE - Vic Govt Mines Dept)

PE905073

This is an enclosure indicator page.
The enclosure PE905073 is enclosed within the container PE905072 at this location in this document.

The enclosure PE905073 has the following characteristics:

ITEM_BARCODE	= PE905073
CONTAINER_BARCODE	= PE905072
NAME	= FIT Data
BASIN	= GIPPSLAND
PERMIT	= VIC/P1
TYPE	= WELL
SUBTYPE	= FIT
DESCRIPTION	= Formation Interval Tester Recovery Data for Snapper-2
REMARKS	=
DATE_CREATED	=
DATE_RECEIVED	=
W_NO	= W550
WELL_NAME	= SNAPPER-2
CONTRACTOR	= SCHLUMBERGER
CLIENT_OP_CO	= ESSO AUSTRALIA LIMITED

(Inserted by DNRE - Vic Govt Mines Dept)