



P&A.

SPUD. 18-8-69.

38° 57' 46" S.

# MUSSEL-1.

T.D.R. 7-9-69.

142° 46' 22" E

T.D. 8038'.

555

W.D. 280' R.T. 99'

ESSO. (PEP 40). VIC/PY. SUBSIDISED.

OCEAN DIGGER.

IES. RUN 1. 882'-2247'. SEPARATE LOGS 2" AND 5"

" 2. 2197'-7332'. " " 2" " 5"

" 3. 2197'-7500'. " " 2" " 5"

" 1&2. 882'-7500'. plus alpha logs. " 2" " 5"

BHCS/GR. " 1. <sup>GR. 374'</sup> 882'-2247'. " " 2" " 5"

" 2. 2197'-7500'. " " 2" " 5"

" 1&2. 882'-7500'. plus paper logs. " 2" " 5"

FDC. " 1. 2197'-7332'. " " 2" " 5"

" 2. 7200'-7500'. " " 2" " 5"

" 1&2. 2197'-7500'. plus paper logs. " 2" " 5"

\* EXPLORATION LOGGING. MUDLOG. 920'-8038'

CORE ANALYSIS REPORT. CORES 1, 2 & 3. EXPLORATION LOGGING.

CORE DESCRIPTIONS. CORES 1, 2 & 3. ESSO.

S.W.C. DESCRIPTIONS. RUN 1. 929'-2230'. SHOT 47. REC 38.

T.D.C.

CUTTINGS 1020'-8030' AND CORES 1 & 3, (NO RECOVERY CORE 2), IN STORE.

DAILY AND WEEKLY REPORTS.

WELL SUMMARY.

WELL HISTORY CHART.

WELL COMPLETION REPORT.

WELL COMPLETION LOG.

LOG ANALYSIS (2 PARTS)

PALYNOLOGICAL REPORT BY P.R. EVANS & R.D. MULHOLLAND.

GEOLOGICAL CROSS SECTION BEFORE & AFTER DRILLING & LOCATION MAP.

\* DIPMETER. RUN 1. 2" AND 5" SCALE <sup>SEPIA</sup> ARROW PLOT. 2197'-7500'.

900568 002

There was no logs run in the bottom of hole because it was full of junk.

MISSING: Sidewall cores residues 2462'-7490'.

MISSING: Palynological & biostratigraphical slides or material

~~MISSING: Core descriptions and logs.~~

SIDEWALL CORE DESCRIPTIONS

WELL MUSSEL - I

SERV. CO. Schlumberger

DATE 11-9-1969

LOG RHH NO. 3

GEOLOGIST B. McHAY

FIELD WILDCAT

STATE Offshore YUCORIA

ATT. REC. 58

PAGE 1 OF 2 PAGES

NO.	DEPTH	REC	LITHOLOGY	COLOR	DISS CLAY	CONS	CALC	ODOR	FIDO	FLUORESCENCE			CUT			SHOW	PROB. PROD.
										DIST	INT	COL	QUAN	COL	INT		
1	6660	1 1/2	Siltstone, carbonaceous.	grey	-	soft	✓	-	-	-	-	-	-	-	-	-	-
183 2.	6001	1 3/4	Shale, massive	dk. gy	-	hard	slight	-	-	-	-	-	-	-	-	-	-
3	6079	2"	As above, slightly fissile	"	-	"	"	-	-	-	-	-	-	-	-	-	-
4	6077	2"	"	"	-	"	"	-	-	-	-	-	-	-	-	-	-
5	6075	1 1/2	"	"	-	"	"	-	-	-	-	-	-	-	-	-	-
6	6073	1"	"	"	-	"	"	-	-	-	-	-	-	-	-	-	-
7	6071	1 1/2	"	"	-	med. slight	slight	-	-	-	-	-	-	-	-	-	-
8	6061	1 1/4	Siltstone, micaceous, carbonaceous v.f. grained	gy	-	brittle hard	-	-	-	-	-	-	-	-	-	-	-
9	5909	2"	Siltstone, micaceous	gy	-	mod. firm	slight	-	-	-	-	-	-	-	-	-	-
10	5764	1 3/4	Shale, micaceous	dk gy	-	fairly hd.	✓	-	-	-	-	-	-	-	-	-	-
11	5600	1 3/4	Shale, micaceous	dk br. gy	-	fairly hd.	-	-	-	-	-	-	-	-	-	-	-
12	5420	3/4"	Shale and siltstone, poorly laminated	gy	-	hard	-	-	-	-	-	-	-	-	-	-	-
13	5787	1 3/4	Siltstone, v. glauconitic	gy	-	firm	tr.	-	-	-	-	-	-	-	-	-	-
14	5084	1 1/2	Siltstone, micaceous carbonaceous	gy	-	fm	tr.	-	-	-	-	-	-	-	-	-	-
15	4854	1 3/4	V. glau. siltstone, micaceous	gy	-	fm	-	-	-	-	-	-	-	-	-	-	-
16	4735	1"	Sandstone, glau., v. pyritic, fairly fine	wh- lt gy	-	friable	✓	-	-	-	-	-	-	-	-	-	-
17	4654	1 1/2	Fine sandstone, glau., v. pyr.	lt py- gy	mat. iron-calc mist	hard	-	-	-	-	-	-	-	-	-	-	-
18	4543	1 1/4	V. f. sandstone / siltst., pyr., micaceous	lt gy	-	hard	slight	-	-	-	-	-	-	-	-	-	-
19	4462	1 1/4	Dirty sandstone, m. qtz in gy-shaly matrix	dk gy	-	fairly hd.	slight	-	-	-	-	-	-	-	-	-	-
20	4315	1 3/4	Sandstone, with chamositic(?) nodules, fibrous	br-br- gy	-	fairly fm	-	-	-	-	-	-	-	-	-	-	-
21	4200	1 3/4	V. f. siltstone, pyr, micaceous	gy	-	hard	-	-	-	-	-	-	-	-	-	-	-
22	4152	1 1/2	Interbedded qtz sandstone, fairly fine and dk br. fissile shale.	lt gy- dk br.	-	fm	✓	-	-	-	-	-	-	-	-	-	-
23	4095	3/4"	Shale, pyr.	choc. br.	-	med. fm.	-	-	-	-	-	-	-	-	-	-	-
24	3234	1 3/4	Qtz sandstone, f-c.	orange	-	ext. friable	-	-	-	-	-	-	-	-	-	-	-
25	322	1 1/2	Iron stained sandstone, conc. pyr. in f. qtz	orange	-	soft	slight	-	-	-	-	-	-	-	-	-	-

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003

SIDEWALL CORE DESCRIPTIONS

WELL MUSSEL - I

SERV. CO. Schlumberger

DATE 11-9-69

LOG RUN NO. 3

REF. #

FIELD WILCOAT

STATE Offshore VICTORIA

ATT. 47 REC. 38

PAGE 2 OF 2

NO.	DEPTH	REC	LITHOLOGY	COLOR	DISS CLAY	CONS	CALC	ODOR	FIDO	FLUORESCENCE		CUT		CUT FLUOR. COL	SHOW	PROB. PROD.	
										DIST	INT	QUAN	COL				
26	3227	1/2	Dolomitic siltstone	br.	-	v. hd dolom.	-	-	-	-	-	-	-	-	-	-	
27	3190	1/4	Calcareous siltstone	lt gy	-	fm	-	-	-	-	-	-	-	-	-	-	
28	3149	1/2	Calc. siltstone	lt gy	-	fm	-	-	-	-	-	-	-	-	-	-	
29	2997	2"	"	gy	-	mod. fm	-	-	-	-	-	-	-	-	-	-	
30	2750	1 3/4	Fossiliferous marl	gy	-	fm	-	-	-	-	-	-	-	-	-	-	
31	7490	1/2	F. silty sandstone	wh. gy	-	fairly soft	v. slight	-	-	-	-	-	-	-	-	-	
32	7444	3/4	F. sandstone	wh. gy	infant. clay	fairly soft	-	-	-	-	-	-	-	-	-	-	
33	7428	3/4	"	"	"	"	-	-	-	-	-	-	-	-	-	-	
34	7396	1/2	Interbedded shale and f. ss/siltst	wh gy - dk gy	-	mod fm	-	-	-	-	-	-	-	-	-	-	
35	7390	3/4	Shale with thin siltst. interbeds	"	"	"	-	-	-	-	-	-	-	-	-	-	
36	7348	1"	Shale	dk gy	-	soft	slight	-	-	-	-	-	-	-	-	-	
37	2629	2"	Fossiliferous marl	gy	-	soft	very	-	-	-	-	-	-	-	-	-	
38	2462	2"	"	"	"	"	-	-	-	-	-	-	-	-	-	-	
			* Mistfires or no recoveries														
			were reshot with second gun														
			and samples were placed														
			in depth order. There were														
			no mistfires/n.r. from the														
			second gun.														
			Gun 1 Att. 30 Rec. 21														
			Gun 2 Att. 17 Rec. 17														

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NO.	DEPTH	REC	LITHOLOGY	COLOR	DISS CLAY	CONS	CALC	ODOR	FIDO	FLUORESCENCE			CUT			CUT FLUOR.		
										DIST	INT	COL	QUAN	CUT	COL	INT	COL	SHOW
1	2230'	1/4"	Marl (Ls)	Grey														
2	2229'	2"	Marl	Gy														
3	2160'	1/4"	Marl	Gy														
4	2100	2 1/4"	Marl, f. gc.	Gy	Med-firm													
5	2099	1/2"	Marl	Gy	Fm													
6	2000	-	N.R.															
7	1900	1/2"	Marl	Lt. gy	Fm													
8	1899	1/4"	Marl	Gy	Fairly firm, coarse.													
9	1800	2"	Marl	M-dk gy	Sft-med													
10	1700	1"	V.f. marl	Gy	Med	Extremely calc.												
11	1699	1 1/2"	Marl	Gy	Sft													
12	1600	2"	Fossiliferous marl	Gy														
13	1500	1 1/2"	Marl	Lt gy														
14	1499	2"	V.f.-f. fossiliferous marl	Lt gy														
15	1400	2"	Marl	Lt gy	Med.													
16	1300	1 1/2"	Marl	Wh gy	Sft													
17	1299	2"	Marl	Wh gy	Sft													
18	1200	2"	Marl	Wh gy	Med.													
19	1100	1 1/2"	F. marl	Gy	Sft													
20	1099	1 1/2"	F. marl	Gy	Sft													
21	1000	1 1/2"	F. marl	Gy	Sft													
22	930	1 1/2"	Marl	Wh. gy	Sft													
23	929	1 1/2"	Marl, fossiliferous	Wh gy	V.sft													

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900568 006  
~~900571 002~~

PE904555

This is an enclosure indicator page.  
The enclosure PE904555 is enclosed within the  
container PE900571 at this location in this  
document.

The enclosure PE904555 has the following characteristics:

- ITEM\_BARCODE = PE904555
- CONTAINER\_BARCODE = PE900571
- NAME = Otway Basin/Map/Structural X-Section
- BASIN = OTWAY
- ONSHORE? = N
- DATA\_TYPE = WELL
- DATA\_SUB\_TYPE = CROSS\_SECTION
- DESCRIPTION = Mussel-1 Otway Basin/Map/Structural X -  
Section
- REMARKS =
- DATE\_WRITTEN = 01-JUN-1969
- DATE\_PROCESSED =
- DATE\_RECEIVED =
- RECEIVED\_FROM = BHP Petroleum Pty Ltd
- WELL\_NAME = Mussel-1
- CONTRACTOR = Esso
- AUTHOR =
- ORIGINATOR = BHP Petroleum Pty Ltd
- TOP\_DEPTH =
- BOTTOM\_DEPTH =
- ROW\_CREATED\_BY = xls\_tb11

(Inserted by DNRE - Vic Govt Mines Dept)