Amoco Australia Petroleum Company

WELL **YOLLA-1**

LOCATION **BASS STRAIT, TASMANIA**

AREA **T 14/P**

SURFACE LOCATION (39°50' 18·89" SOUTH, 145°48' 20·55" EAST)

BOTTOM HOLE LOCATION **Vertical Hole**

SPUD JUNE 8, 1985 (0800hrs)

COMPLETION TESTED SEPTEMBER-OCTOBER 1985

WATER DEPTH/KB ELEV. 79m/11·1, 259'/36'

DRILLERS TD. **3347m RKB** LOGGERS TD. **3351m RKB**

EXPLORATORY WELL PROGNOSIS

PROGNOSED Stratigraphy	PROGNOSED Lithology	DRILLED Stratigraphy	DRILLED Lithology
TORQUAY GROUP		TORQUAY GROUP	NO RETURNS
		10.53m ANGAHOOK FORMATION	
1565 DEMONS BLUFF		1668m DEMONS BLUFF FM	
1720 COAL VIEW MEASURES		1799m EASTERN VIEW COAL MEASURES	
		3031m BASALT	T.D. 3347m (DRLR) 3351m (LGR)
4267			

PRE OIL WINDOW | OIL WINDOW | WET GAS/COND | THERMAL C_1

VITRINITE REFLECTANCE ▲ 0·6 1·2 1·8

0·50 DST 2 (0512A) DST 3 0·52 0·60 0·63 0·92 0·97* DST 1 0·86 0·61* 0·70* 0·78* 0·56* 0·98*

* Influenced by Caving

* Sidewall Core

PALEONTOLOGY / PALYNOLOGY

DEPTH (m)	PALEO-DEPTH ESTIMATES (m)	AGE	PLANKTONIC FORAM ZONES
200	0 100 200	MIDDLE MIOCENE AND YOUNGER	? ? ?
710		MIDDLE MIOCENE	D-2 / E-1
900			E-2
1000		EARLY MIOCENE	F G
1440		EARLIEST OLIGOCENE	J
1688		EOCENE	?

DEPTH (m)	ZONE	AGE	MARINE
680-1832	Mid. N. asperus	Late Eocene	♁
1832-2048	Lower N. asperus	Middle Eocene	♁
2066-2174	P. asperopolus	Middle Eocene	
2210-2444	Upper M. diversus	Early Eocene	♁
2454-2508	Middle M. diversus	Early Eocene	♁
2528-2555	Indeterminate		
2573-2630	Middle M. diversus	Early Eocene	♁
2675-2783	Lower M. diversus	Early Eocene	♁
2801-2881	Upper L. balmei	Late Paleocene	
2885-3052	Lower L. balmei	Early Paleocene	

PALYNOLOGY

♁ Marine influence indicated by dinoflagellates.

Casing

-- PROPOSED
— ACTUAL

30" @ 189m (621') 170m

26" 380m

20" @ 399m (1309') FCCT = 12·5ppg

13 3/8" @ 1700m 1753m FCCT = 13·6 ppg no leak off

9 5/8" 3340m

9 5/8" 4267m

DRILLING HISTORY

Depth m RKB / ft RKB

SPUD DATE June 8, 1985 RIG RELEASED October 11, 1985

Accumulated days from Spud Date

DRILLING — Prognosed ------ Drilled ———

DRILL 36" HOLE, SET 30" CONDUCTOR

WOW, RUN RISER, PARTED No. 1 ANCHOR

DRILL 17½", REAM TO 26"

SET 20" CASING AND STACK

DRILL 17½" HOLE

LOG SUITE No. 1, SET 13⅜" CASING

CORE No. 1

LOG SUITE No. 2

DRILL 12¼" HOLE

TOTAL OPERATING TIME = 129 DAYS INCLUDING 4 DAYS TO SET ANCHORS

CORE No. 2, LOG SUITE No. 3, SET 9⅝" CASING, DST

WIRELINE LOGGING

SUITE No. 1 : ISF-BHC-MSFL-GR-SP-CAL (Run 1)
9 July (1758-399m; GR to Seabed)

SUITE No. 2 : ISF-BHC-MSFL-GR-SP-CAL (Run 2) (1982-1752m)
19 July LDL-CNL-GR (Run 1)

SUITE No. 3 : ISF-BHC-MSFL-GR-SP-CAL (Run 3) (3347-1752m)
22 to 31 August LDL-CNL-NGT-DIPT (Run 2)
HDT (Run 1)
RFT (Run 1-5)
CST (Run 1) (Rec. 48 of 51)
10 to 11 Sept. VSP (Run 1)

CORING

CORE No. 1 : 1838 - 1948m
Cut 10m; Rec 2·8m (28%)

CORE No. 2 : 3344·7 - 3346·8m
Cut 2·1m; Rec. 1·4m (67%)

DRILLSTEM TESTS

DST No. 1 : PERFORATE 2809·0 - 2814·2m
2817·0 - 2824·6m
30/64" CHOKE : 10·2mmcfd
420 bcpd (50·5° API)
40/64" CHOKE : 15·1mmcfd
580 bcpd (51·2° API)

DST No. 2 : PERFORATE 1830·0 - 1835·2m
32/64" CHOKE : 2·2mmcfd
1675 bwpd

DST No. 2A : PERFORATE 1833·2 - 1833·8m
16/64" CHOKE : 1·02mmcfd
302 bopd (45·5° API)

DST No. 3 : PERFORATE 1813·0 - 1833·1m
80/64" CHOKE : 11·8mmcfd
892 bcpd (50·6° API)

Amoco Australia Petroleum Company

304224

BASS BASIN TASMANIA

T/14P

YOLLA-1

DRILLING PANEL WITH LITHOLOGY, PALEONTOLOGY, PALYNOLOGY AND VITRINITE REFLECTANCE

Scale :- 1:10,000	Enclosure 2	Drwg. No. FU-193
Date :- December 1985	Author :- B. F. Wheeler	

5 cm

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