

JPDA WELL DATA SUMMARIES

1. Bard-1

General

- Concession : Zone of Cooperation, Area A, Block 95-19, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-19) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Exploration
- Location : Latitude 09° 45' 38.913" South
Longitude 128° 01' 41.905" East
Graticular Block ????
- Water Depth : 100 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 2164 metres (Formation target: Plover Fm)
- Duration : 23rd Sep 1998 (Spudded) – 12th Okt 1998 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No Returns	Barracouta	122	100	338
	Oliver	460	438	420
	Cartier	880	858	182.5
	Prion	1062.5	1040.5	140.5
	Hibernia	1203	1181	77
	Johnson	1280	1258	132
1	2	3	4	5
Argillaceous calcilutite & calcareous claystone	BIG undifferentiated	1412	1390	212
Claystone grading to silty claystone	Jamieson	1624	1602	498.5
Arg. calcilutite & clst	Darwin	2122.5	2100.5	31.5
Claystone, grading to silty claystone & minor glauconitic siltstone	Echuca Shoals	2154	2132	10
	Flamingo & Plover	np	np	np

Logging

- Suite 1 DLL-MLL-XMAC-GR-SP-CAL-TTRM 591 - 156m
DLL-MLL-XMAC-GR-SP-CAL-TTRM 441 (run abandoned)

Cores

- No conventional cores were cut.
- No Sidewall cores (CST) were conducted.
- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- No Repeat Formation Tests (MDT) were conducted.
- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

2. Barnacle-1

General

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 26' 53.130" South
Longitude 126° 11' 38.500" East
Graticular Block ????
- Water Depth : 535 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3614 metres (Formation target : Elang/Montara Fm)
- Duration : 26th Dec 1994 (Spudded) – 3rd Feb 1995 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No returns	Barracouta	557	535	507
Calcarenite	Oliver	1064	1042	1024
Calcareous claystone	Cartier	2088	2066	111
Calcarenite	Prion Limestone	2199	2177	206
Calcilutite	Hibernia	2305	2383	286
Calcilutite	Johnson	2691	2669	115
Calcilutite	Borde	2806	2784	68
Calcilutite	Fenelon	2874	2852	68
Marl	Gibson	2942	2920	34
Marl	Woolaston	2976	2954	40
Calcareous claystone	Jamieson	2976	2954	40
Marl	Darwin Radiolarite	3120	3098	44
Claystone	Echuca Shoals	3137	3115	44
Claystone	Upper Flamingo	3208	3186	286
Claystone	Lower Flamingo	3494	3472	24
1	2	3	4	5
Sandstone & claystone	Elang (Montara)	3518	3496	59
Sandstone & claystone	Plover	3577	3555	37+

Logging

- Suite 1 DLL-MSFL-AS-GR-AMS-SP 3123 - 1999m
GPIT 3123 - 1999m
- Suite 2 DLL-MSFL-AS-GR-AMS-SP 3614 - 3111m
LDL-CNL-GR-AMS 3614 - 3111m
FMI (IMAGES) 3614 - 3111m
VSP 3605.0 - 2450m
MSCT 3488.5 - 3574m
UBI-A/BHC 3590.0 - 3412m
CST 3599.0 - 3120m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
60 CST were shot over the interval 3599 - 3120m with 2 were misfires, 3 were lost, 2 were empty and 53 were recovered.
- **Mechanical Sidewall Cores (MSCT);**

21 MSCT were taken over the interval 3488.5 - 3574m with 3 were lost and 18 were recovered.

Testing

- No Repeat Formation Tests (MDT) were conducted.
- No Drill Steam Tests (DST) were conducted.

Remarks : Dry Hole.

3. Basilisk-1/1A

General

- Concession : Zone of Cooperation, Area A, Block 91-10, Timor Sea
- Operator : Marathon Petroleum Timor Gap West Ltd.
- Contractor/Rig : Atwood Oceanics/Atwood Oceanics "Falcon" (semisub)
- Well type : Exploration
- Location : Latitude 10° 48' 14.36" South
Longitude 127° 17' 53.68" East
Graticular Block 355-C4
- Water Depth : 86.5 metres
- Elevation (RKB-MISLW) : 22.25 metres
- Total Depth : 3030 metres (Formation target: Plover Fm & Flamingo Gp)
- Duration : 23rd Jan 1993 (Spudded) – 26th Feb 1993 (Rig Released)
- Well Status : Permanently plugged & abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcarenite	Sea Bed/Barracouta	108.8	86.5	239.2
Calcarenite, dolomit	Oliver	348	325.7	347
Calcarenite, claystone	Hibernia	695	672.7	234
Calcarenite, calcareous sandstone & calcilutite	Eocene Marker	929	906.7	511
Calcar., calcil., marl, clst	Johnson	1440	1417.7	336.5
Calcilutite & claystone	Borde	1776.5	1754.2	83.5
Claystone & calcilutite	Upper Wangarlu	1860	1837.7	202
Claystone w/minor silst	Lower Wangarlu	2062	2039.7	757
Claystone & calcilutite	Darwin Radiolarite	2819	2796.7	18
Glauconitic claystone	Darwin Glauconitic	2837	2814.7	15.5
Sandstone, claystone	Flamingo Gp	2852.5	2830.2	8
Sandstone, claystone	Plover	2860.5	2838.2	15+

Logging

- Suite 1 DLL-AS-GR-SP-CAL-AMS 313.3 - 899.5m
(GR-AMS to sea floor) 108.8 - 313.3m
Velocity Survey (checkshots) 250.0 - 894.0m
- Suite 2 DLL-MSFL-AS-NGT-SP-CAL-AMS-LDL-CNL 840.5 - 3005.5m
(Supercombo run)
FMS/SHDT-GR 890.5 - 3000.0m
VSP (C-SAT) 800.0 - 3000.0m
CST 920.1 - 2997.5m

Cores

- **Conventional cores;**
One conventional core was cut over the interval 2872 - 2886m, a total of 14m with 101.8% recovery.
- **Sidewall cores (CST);**
60 CST were shot over the interval 920.1 to 2997.5m with 8 were empty and 52 were recovered (87%).
- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **No Repeat Formation Tests (MDT) were conducted.**
- **No Drill Stem Tests (DST) were conducted.**

4. Bayu-1

General

- Concession : Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 11° 05' 42.597" South
Longitude 126° 40' 31.671" East
Graticular Block 426-A1
- Water Depth : 72 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3205 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 18th Dec 1994 (Spudded) – 3rd Mar 1995 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
Most no returns; Calcarenite	Oliver	94	72	119+ (retuns)
Calcarenite	Hibernia	754	732	502
Sandstone, calca. calci.	Grebe Mbr	1256	1234	100
Calcarenite, calcilitite	Johnson	1356	1334	486
Calcareous, claystone	Vee	1842	1820	524
Claystone	Wangarlu	2366	2344	410
Siliceous claystone	Bathurst Island	2776	2754	85
1	2	3	4	5
Claystone	Darwin	2861	2839	14
Siltstone	Flamingo	2875	2853	79
Quartzose Sandstone	Plover	2954	2932	251

Logging

- Suite 1 GR (Through casing to surface) 94 - 621m
GR-DLL-SLS-SP-AMS 621 - 1756m
- Suite 2 GR (Through casing) 1580 - 3204m
GR-DLL-MSFL-AS-AMS-SP 2892 - 3205m
LDL-CNL-NGS-CALI-AMS 2892 - 3205m
FMS-GR-AMS 2892 - 3205m
CSI (Velocity Survey) 500 - 3205m
MDT-GR (Pressures) 2955 - 3200m
MDT-GR (Sample Run #1) 3035 - 3089m

MDT-GR (Sample Run #2)	3100.0 - 3117.7m
MDT-GR (Sample Run #3)	3028.2 - 3164.0m
MSDT-GR	2980 - 3200m
MSDT-GR	2947 - 3101m
FMS-GR-AMS	2923 - 3205m
CST-GR	2895 - 3195m

Cores

- No conventional cores were conducted.

- Sidewall cores (CST);

60 CST were shot over the interval 2895 - 3195m with 17 were empty and 43 were recovered.

- Mechanical Sidewall Cores (MSCT);

51 MSCT were taken over the interval 2947 - 3200m with 100% recovery.

Testing:

- Repeat Formation Tests (MDT);

54 MDT pre-tests measurements attempted between 3200 - 2955m with 100% valid.

- Drill Steam Tests (DST);

4 DST were conducted over four intervals in the Plover Formation, resulting in a combined flow of approximately 5250 bbl/d of condensate and 90 mmcf/d of gas.

Remarks : Commercial Gas/Condensate Well.

5. Bayu-2

General

- Concession : Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Appraisal
- Location : Latitude 11° 02' 23.278" South
Longitude 126° 41' 39.060" East
Graticular Block 409-B3
- Water Depth : 96.5 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3199 metres (Formation target : Plover Fm)
- Duration : 25th Dec 1995 (Spudded) – 11th Feb 1996 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcarenite	Oliver	121.5	96.5	677.5
	Hibernia	749	774	551
Sandstone, calcarenite	Grebe Mbr	1325	1300	102
Calcarenite, clcis., clcil.	Johnson	1427	1402	504
Calcareous clst., marl	Vee	1931	1906	437
Claystone	Wangarlu	2368	2343	434
	Bathurst Island	2802	2777	96
	Darwin	2898	2873	18
Argillaceous siltstone	Flamingo	2916	2891	67
Sandstone, claystone	Plover	2983	2958	216

Logging

- Suite 1 GR (Through casing to surface) 646.7 - 97.0m
- GR-DLL-MSFL-AS-SP-AMS 1790 - 646.7m

- Suite 2	GR (Through casing)	2643 - 1787.9m
	GR-DLL-MSFL-AS-SP-AMS	2641 - 1787.9m
	GR-LLD-MSFL/CALI-DSI-SP-AMS	3201 - 2777.5m
	LDL/CALI-CNL-NGS-AMS	3201 - 2777.5m
	MSCT-GR	3196.0 - 2798.0m
	FMS-GR-AMS	3202.5 - 2777.5m
	MDT-GR-AMS	3187 - 2821.0m
	CSI (Velocity Survey) VSP	3196 - 0763.6m

Cores

- Conventional cores;

Five conventional cores were cut in the Flamingo and Plover Formations. They were cut from 2980 to 3153m, a total of 130.01m with 99.2% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

41 MSCT were attempted over the interval 2777.5 - 3196m with 3 were washouts and 38 were recovered.

Testing

- Repeat Formation Tests (MDT);

39 MDT pre-tests measurements attempted between 3187 - 2821m with 100% valid.

- Drill Steam Tests (DST);

3 DST were conducted over three intervals in the Plover Formation (between 3006 to 30364m), resulting in a combined did not flow occurred.

Remarks : Commercial Gas/Condensate Well.

6. Bayu-3

General

- Concession : Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 11° 03' 34.028" South
Longitude 126° 44' 20.807" East
Graticular Block 409-E4
- Water Depth : 108.8 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3173.6 metres (Formation target : Elang & Plover Fm)
- Duration : 24th Mar 1996 (Spudded) – 21st Apr 1996 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Oliver	133.8	108.8	n/a
	Hibernia	727	702	
	Grebe Mbr	1276	1251	
Argillaceous calcilutite	Johnson	1390	1365	529
Calcareous claystone	Vee	1919	1894	476
Claystone, arg. siltstone	Wangarlu	2395	2370	471
Claystone	Darwin Radiolarite	2890	2865	80.5
Claystone	Echuca Shoals	2970.5	2945.5	16.5
Argillaceous siltstone	Flamingo	2986	2961	81.9
Sandstone, arg. sandst.	Elang	3073.7	3048.7	87.3

Sandstone, arg. sandst	Plover	3161	3136	13.6
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Logging

- Suite 1	CSAT (VSP)	527.5 - 175.0m
- Suite 2	GR-DLL-DSI-MSFL-AMS-SP	1452 - 169.7m
	CST (VSP & Check Shot)	1450 - 490.0m
- Suite 3	GR (Through casing)	2829 - 1317.0m
	GR-DLL-MSFL-DSI-AMS-SP	3174.6 - 2810.7m
	LDL-CNL-NGS-AMS	3174.6 - 2810.7m
	MDT-GR-AMS	3170.0 - 2810.7m
	CMR-GR	3171.9 - 3062.8m
	DSI-GR-AMS	3165 - 1315.0m
	MSCT-GR	3165 - 2851.5m
	FMS-GR-AMS	3173 - 2810.7m
	CSAT (VSP)	3167 - 1277.7m

Cores

- Conventional cores;

Four conventional cores were cut in the Flamingo and Plover Formations. They were cut from 2980 to 3153m, a total of 114.66m with 90.7% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

36 MSCT were attempted over the interval 2851.5 - 3165m with 1 washout and 35 were recovered.

Testing

- Repeat Formation Tests (MDT);

27 MDT pre-tests measurements attempted between 3170 - 2810.7m with 100% valid.

- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

7.

Bayu-4

General

- Concession	: Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator	: Phillips Petroleum Company ZOC.
- Contractor/Rig	: Diamond Offshore/Ocean Bounty (semisub)
- Well type	: Exploration
- Location	: Latitude 11° 00' 38.182" South Longitude 126° 41' 51.502" East Graticular Block 409-B1
- Water Depth	: 108 metres
- Elevation (RKB-MISLW)	: 25 metres
- Total Depth	: 3308 metres (Formation target : Elang & Plover Fm)
- Duration	: 5 th Jun 1996 (Spudded) – 14 th Jul 1996 (Rig Released)
- Well Status	: Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Undiff. to Oliver	133	108	653
	Oliver	786	761	14
	Hibernia	800	775	536.8
	Grebe Mbr	1336.8	1311.8	99.7
Arg.calculutite, calca.clst	Johnson	1436.5	1411.5	533

Calcareous claystone	Vee	1969.5	1944.5	427.1
Claystone	Wangarlu	2396.6	2371.6	420.8
Siliceous claystone	Darwin Radiolarite	2817.4	2792.4	107.1
Claystone	Echuca Shoals	2924.5	2899.5	13.2
Int. claystone & siltstone	Flamingo	2937.7	2912.7	132.8
Int. claystone & sandst	Elang	3070.5	3045.5	97.1
Int. claystone & sandst	Plover	3167.6	3142.6	140.4

Logging

- Suite 1	GR (Through casing to surface)	1515.3 - 128m
	GR-AS-DLL-MSFL-AMS	1515.3 - 128m
	CSAT (VSP)	1510 - 252m
- Suite 2	GR-AS-DLL-CAL-AMS-SP	2762 - 1505.5m
- Suite 3	GR-DSI-DLL-MSFL-AMS-SP	3308 - 2757.0m
	LDL-CNL-NGS-AMS	3308 - 2757m
	CMR-CALI-GR	3250 - 3050m
	MDT-GR-AMS	3270 - 3054.2m
	VSP	3308.0 - 1500.0m
	MSCT-GR	3295.5 - 2779m
	CSI-MRIL (NUMAR)	3250 - 3050m
	FMS-GR-AMS	3308 - 2757m

Cores

- Conventional cores;

Five conventional cores were cut in the Flamingo, Elang and Plover Formations. They were cut from 3008.0 to 3183.5m, a total of 175.5m with 82.6% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

47 MSCT were attempted over the interval 2779 - 3054.5m with 2 were washouts and 45 were recovered.

Testing

- Repeat Formation Tests (MDT);

40 MDT pre-tests measurements attempted between 3054.42 - 3270.62m with 87.5% valid.

- Drill Steam Tests (DST);

2 DST were conducted over four intervals between 3056 - 3113m, resulting in a combined flow rate is n/a.

Remarks : Commercial Gas/Condensate Well.

8. Bayu-5

General

- Concession	: Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator	: Phillips Petroleum Company ZOC
- Contractor/Rig	: Diamond Offshore/Ocean Bounty (semisub)
- Well type	: Appraisal
- Location	: Latitude 11° 05' 55.587" South Longitude 126° 44' 31.375" East Graticular Block 426-E1
- Water Depth	: 70.8 metres
- Elevation (RKB-MISLW)	: 25 metres
- Total Depth	: 3300 metres (Formation target : Elang & Plover Fm)
- Duration	: 21 st Dec 1996 (Spudded) – 19 th Jan 1997 (Rig Released)
- Well Status	: Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Undiff. to Oliver	95.8	70.8	633.2
	Oliver	729	704	30
	Hibernia	759	734	524.5
	Grebe Fm	1284.5	1259.5	81
Arg. calcisiltite & calcilut	Johnson	1365.5	1340.5	507.5
Calcareous clst & marl	Vee	1873	1848	527
Claystone	Wangarlu	2400	2375	508.1
	Darwin Radiolarite	2908.1	2883.1	81.4
	Echuca Shoals	2989.5	2964.5	11.8
Glauc. clst & siltstone	Flamingo	3001.3	2976.3	78.5
Interbedded claystone and sandstone	Elang	3079.8	3054.8	31.1
	Plover	3110.9	3085.9	189.1

Logging

- Suite 1	GR-DLL-MSFL-AMS-SP	1462 - 95.8m
	VSP (CSAT)	1460 - 150m
- Suite 2	GR-DSI (Through Casing)	3301 - 1450m
	GR-DLL-DSI-MSFL-AMS-SP	3080 - 1450m
	DLL-MSFL-GR-AMS	3301 - 3080.0m
	LDL-CNL-NGS-FMI-AMS	3301 - 2852.5m
	CMR-SGR-PCD	3175 - 3075.0m
	MDT-GR-AMS	3291 - 3081.2m
	VSP (CSAT)	3290.0 - 1415m
	MSCT-GR	3294.1 - 2915m

Cores

- Conventional cores;

Six conventional cores were cut in the Flamingo, Elang and Plover Formations. They were cut from 3040.0 to 3231.0m, a total of 130.01m with 96.9% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

37 MSCT were attempted over the interval 2915 - 3294.1m with 33 cores recovered and 1 partial recovery.

Testing

- Repeat Formation Tests (MDT);

30 MDT pre-tests measurements attempted between 3294.1 - 2915m with 23 were good tests, 6 dry tests and 1 lost seal.

- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

9. Chuditch-1

General

- Concession : Zone of Cooperation, Area A, Block 91-09, Timor Sea
- Supervisor/Operator : Shell Development Australia Pty Ltd.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 10° 33' 41.745" South
Longitude 128° 05' 54.488" East
Graticular Block ????
- Water Depth : 64 metres
- Elevation (RKB-MISLW) : 25.0 metres

- Total Depth : 3035 metres (Formation target: Plover Fm)
- Duration : 17th Okt 1998 (Spudded) – 9th Nov 1998 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No Returns	Barracouta	89	64	229
	Oliver	318	293	395
	Hibernia	713	688	415
Arg. calcilutite grading to calcareous claystone	Johnson	1128	1103	470
Calcareous claystone	Turnstone	1598	1573	168
Calcareous claystone	Vee	1766	1741	206
Claystone w/minor int. calc. clst, arg. slst, dol. clst and basal marl	Wangarlu	1972	1947	922
1	2	3	4	5
Int. calcaceous marl, clst and siliceous claystone	Darwin	2894	2869	11.5
Claystone	Echuca Shoals	2905.5	2880.5	4.5
Argillaceous sandstone	Flamingo	2910	2885	9
Sandstone w/minor int. claystone & trace coal	Plover	2919	2894	116+

Logging

- Suite 1	AIT-AS-OBBDT-GR-AMS	3031 - 1533m
	FMI-LDL-CNL-NGT	3030 - 1533m
	MDT-GR	3008.5 - 2922m
	CMR-GR	3015.0 - 2910m
	VSP	3030 - 378m
	MSCT-GR	3023 - 2893m
	MDT-GR	2934 - 2934m
	USIT-CBL-VDL-GR	1515 - 462m

Cores

- Conventional cores;

One conventional core was acquired over the interval 2921.4 - 2947.0m, a total of 25.6m with 100% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

30 MSCT were taken over the interval 2893 - 3023m with 27 cores recovered (90%).

Testing

- Repeat Formation Tests (MDT);

30 MDT pre-tests measurements attempted between 3008.5 - 2922.0m with 17 were good tests and 13 were tight, and 4 samples collected.

- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

10. Coleraine-1

General

- Concession : Zone of Cooperation, Area A, Block 96-16, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)

- Well type : Exploration
- Location : Latitude 10° 43' 40.453" South
Longitude 126° 51' 37.318" East
Graticular Block ???
- Water Depth : 68 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3467 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 4th Okt 2000 (Spudded) – 29th Nov 2000 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Barracouta	90	68	267.5
Calcar.w/interbed. calca. clst	Oliver	357.5	335.5	413
Sandstone	Grebe Sand	770.5	748.5	22.5
Calcar.w/interbed. Calca. clst	Hibernia	793	771	835
Calci. w/ interbed. calcarenite	Johnson	1628	1608	437
Interbed calc. clst & calcilu.	Borde	2065	2043	63.1
Calca. Clst intergr. W/clst interbed. w/calcilutite	Vee	2128.1	2106.1	294.8
Clst interbed. w/ calca. clst	Wangarlu	2422.9	2400.9	484.6
Silty clst interbed. w/clst	Darwin Radiolarite	2907.5	2885.5	64.2
Interbed. clst & silty clst	Echuca Shoals	2971.7	2949.7	99.9
Interbed. silty clst & clst then interbed. sst & glauconitic slst	Flamingo Group	3071.6	3049.6	277.9
Silty clst interbed. w/argilace Sst & sandstone	Top Elang	3417.6	3395.6	49.4

Logging

- Suite 1 AIT-DSI-GR-CALI 3355 - 2000m
- AIT-DSI-GR-CALI 3468 - 3300m
- GPIT-LDT-CNT-GR-CALI 3468 - 3091m
- CSAT 3465 - 122m
- MDT-GR 3458 - 3350m

Cores

- No conventional cores were cut.
- No sidewall cores (CST) were conducted.
- No mechanical sidewall cores (MCST) were conducted.

Testing

- Repeat Formation Tests (MDT);
22 MDT pre-tests measurements attempted between 3458 - 3350m with 3 were good tests, 7 were lost seals, 2 were dry, 5 were charged and 5 were curtailed.
- No Drill Steam Tests (DST) were conducted.

Remarks : Oil and Gas Shows.

11. Conch-1 General

- Concession : Zone of Cooperation, Area A, Block 91-03, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-3) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Exploration
- Location : Latitude 10° 17' 23.130" South

Longitude 126° 41' 13.670" East
Graticular Block 192-B3

- Water Depth : 105.3 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 2763 metres (Formation target : Plover Fm)
- Duration : 7th Jan 1998 (Spudded) – 7th Feb 1998 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	127.3	105.3	232.7
	Oliver	360	338	992
	Cartier	1352	1330	305
	Prion	1657	1635	125
	Hibernia	1782	1760	278
	Johnson	2060	2038	115
	Bathurst Island Gp	2175	2153	125
Arg. calcilutite & calcilutite	Fenelon	2300	2278	31.5
Arg. calcilutite & calcilutite	Gibson	?2331.5	?2309.5	19.5
Argillaceous calcilutite, calcilutite & calc. clst	Woolaston	?2351	2329	46
Claystone & calc. clst	Jamieson	2397	2375	54.5
Arg. calcil. & calc. clst	Darwin	2451.5	2429.5	21.5
Claystone	Echuca Shoals	2473	2451	4
Sandstone & aren. clst	Flamingo	2477	2455	49
Sandstone & claystone	Frigate	2526	2504	4
	Laminaria	2530	2508	124
	Plover	2654	2632	109

Logging

- Suite 1 DAC-CAL-GR-TTRM 2425.4 - 2294.5m
- Suite 2 FPI-CCL 2500.0 - 2635.0m
- Suite 3 LDL-MAC-spectralog 2485.0 - 2400.0m
- LDL-MAC-MLL-spectralog Stook up @ 2442.0m
- LDL-MAC-spectralog Stook up @ 2442.5m
- DLL-GR Stook up @ 2443.0m
- MLR-VSP 2415.0 - 555.0m

Cores

- No conventional cores were cut.
- No Sidewall cores (CST) were conducted.
- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- No Repeat Formation Tests (MDT) were conducted.
- No Drill Steam Tests (DST) were conducted.

Remarks : Dry hole.

12A. Elang West-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Appraisal

- Location : Latitude 10° 53' 00.530" South
Longitude 126° 32' 10.250" East
Graticular Block ????
- Water Depth : 90 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3166 metres (Formation target: Elang/Montara & Plover Fm)
- Duration : 9th Feb 1995 (Spudded) – 12th Apr 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
-	Sea Bed	112	90	-
No returns	Oliver	N/A	N/A	N/A
No returns	Cartier	N/A	N/A	N/A
Calsilutite	Hibernia	976.5	954.5	815.5
Argillaceous calcisiltite	Johnson	1792	1770	399
Calcareous claystone	Turnstone/Borde	2191	2169	114.5
Calcareous claystone	Fenelon	2305.5	2283.5	77.5
Calcareous claystone	Gibson	2383	2361	126
Marl, and calcareous clst	Woolaston	2509	2487	45
Claystone	Wangarlu	2554	2532	347
Silty claystone	Darwin	2901	2879	33
Claystone	Echuca Shoals	2933.5	2911.5	24.5
Claystone	Upper Flamingo	2958	2936	108.5
Sandstone, w/minor clst	Plover	3066.5	3044.5	98+

Logging

- Suite 1 DLL-GR-AMS-SP 2640 - 1507m
FMS-GR-AMS 2814 - 2100m
GPIT 2814 - 1507m
- Suite 2 DLL-MSFL-AS-GR-AMS-SP 3169 - 2821m
VSP 3165 - 1800m
FMI (IMAGES) 3169 - 2821m
LDL-CNL-GR-AMS 3169 - 2821m
MDT (PRETESTS) 3269 - 2821m
MDT (SAMPLES) 3169 - 2821.0m
MSCT-CST 3131 - 2853.5m

Cores

- **Conventional cores;**
Three conventional cores were cut in the Flamingo and Plover Formation. They were cut from 3013 to 3046m, a total of 33m with 100% recovery.
- **Sidewall cores (CST);**
30 CST were shot over the interval 3131 - 2853.5m with 1 was lost, 4 were empty and 25 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
24 MSCT were taken over the interval 3131 - 2853.5m with 1 was empty, and 23 were recovered.

Testing

- **Repeat Formation Tests (MDT);**
27 MDT pre-tests measurements attempted between 2854 - 3140.7m with 10 were good tests, 7 were tight/supercharged and 10 were lost seals.
- **Drill Steam Tests (DST);**

1 DST was undertaken, resulting in a flow 1619 bbl/d of oil and 583 mscf/d of gas (API of oil: n/a) over the interval 2850 to 2933m.

Remarks : Oil Discovery.

12B. Elang West-1/ST1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Appraisal
- Location : Latitude 10° 53' 00.530" South
Longitude 126° 32' 10.250" East
Graticular Block ????
- Water Depth : 90 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3188 metres (Formation target : Elang/Montara & Plover Fm)
- Duration : 21st Mar 1995 (kicked-off Sidetrack) - 12th Apr 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
-	Sea Bed	112	90	-
No returns	Oliver	N/A	N/A	N/A
No returns	Cartier	N/A	N/A	N/A
Calsilutite	Hibernia	976.5	954.5	815.5
Argillaceous calcisiltite	Johnson	1792	1770	399
Calcareous claystone	Turnstone/Borde	2188	2166	117.5
Calcareous claystone	Fenelon	2305.5	2283.5	72.5
Calcareous claystone	Gibson	2377.5	2355.5	129.5
Marl, calcareous clst.	Woolaston	2507	2485	47
Claystone	Wangarlu	2554	2532	355.5
Silty claystone	Darwin	2909.5	2887.5	33
Claystone	Echuca Shoals	2918.5	2896.5	35
Claystone	Upper Flamingo	2944.5	2922.5	109.5
Sandstone, w/minor clst	Plover	3054	3032	118+

Logging

- Suite 1	AS-GPIT-GR-AMS	2690 - 1507m
	CSAT-CAL	2690 - 900m
- Suite 2	DLL-DSI-MSFL-GR-AMS-SP	3191 - 2693m
	LDL-CNL-GR-AMS	3191 - 2693m
	FMI (IMAGES)	3191 - 2693m
	VSP	3180 - 2560m
	MSCT-CST	3191 - 2693m
	RFT PRETESTS	3130 - 2880m
	RFT SAMPLES	3130 - 2880m

Cores

- Conventional cores;

One conventional core was cut over the interval 2864 - 2873m, a total of 8.86m with 98% recovery.

- Sidewall cores (CST);

90 CST were shot over the interval 3162 - 2959m with 13 were empty, 1 was lost, 20 were misfire and 56 were recovered.

- **Mechanical Sidewall Cores (MSCT);**
18 MSCT were taken over the interval 2960.5 - 3094m with 3 were failed, and 15 were recovered.

Testing

- **Repeat Formation Tests (MDT);**
38 MDT pre-tests measurements attempted between the interval 2880 - 2964.5m with 8 were good tests, 16 were tights, 9 were supercharged, 3 were lost seals and 2 were overpressured.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Oil Discovery.

13. Elang-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty Ltd/Petroz (Timor Sea) Pty Ltd.
- Contractor/Rig : Deep Seas Drilling/Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 53' 3.657" South
Longitude 126° 36' 1.473" East
Graticular Block ???
- Water Depth : 82 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3192 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 9th Jan 1994 (Spudded) – 22nd Feb 1994 (Rig Released)
- Well Status : Producing.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Undifferentiated	104	82	372
Calcarene, calcilutite	Oliver	476	454	447.5
Claystone, calcilutite	Hibernia	923.5	901.5	781
Marl, calcilutite	Johnson	1740.5	1718.5	347.5
Marl, claystone	Upper Wangarlu	2088	2066	380.5
Calcareous, claystone	Lower Wangarlu	2468.5	2446.5	382
Claystone	Upper Darwin	2850.5	2828.5	31
Carbonac. claystone	Lower Darwin	2881.5	2859.5	47.5
Claystone, siltstone	Upper Flamingo	2929	2907	77.5
Sandstone, clst, siltst	Montara	3015.5	2993.5	65.5
Sandstone, minor siltst	Plover	3081	3059	111+

Logging

- Suite 1 DLL-MSFL-SDT-GR-SP-CAL-AMS-GPIT 1310 - 462m
VSP (Checkshots)
CST-GR 903 - 462m
- Suite 2 DLL-MSFL-SDT-GR-SP-CAL-AMS-GPIT 3070 - 2800m
- Suite 3 DLL-MSFL-SDT-GR-SP-CAL-AMS 3192 - 1501m
LDL-CNL-FMS-GR-SP-CAL-AMS 3192 - 1501m
MDT-GR 3168 - 3001m
MSCT-GR 3165 - 2999m
VSP (Zero Offset) 3180 - 800m
CST-GR 3173 - 1505m

Cores

- **Conventional cores;**
Five conventional cores were cut in the Montara and Plover Formations. They were cut from 3025.5 to 3081.5m, a total of 70.5m with 94.86% recovery.
- **Sidewall cores (CST);**
120 CST were shot over two intervals (903 - 462m and 3173 - 1505m) with 4 lost bullets, 26 were empty and 90 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
15 MSCT were taken over the interval 3165 - 2999m with 12 cores recovered.

Testing

- **Repeat Formation Tests (MDT);**
58 MDT pre-tests were attempted over the interval 3005 - 3168 m with 31 were good tests, and 2 segregated samples were retrieved from 3060m and 3010m.
- **Drill Steam Tests (DST);**
1 DST was undertaken, resulting in a flow 5013 stb/d of oil over the top sand (3006 - 3115.5m). API of oil is 57°.

Remarks : Commercial Oil Well.

14. Elang-1/ST

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : Phillips Petroleum (91-12) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Sidetracked production oil
- Location : Latitude 10° 53' 3.657" South
Longitude 126° 36' 1.473" East
Graticular Block ???
- Water Depth : 82 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3289 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 4th Feb 2000 (Spudded) – 1st Mar 2000 (Rig Released)
- Well Status : Producing.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Kick-off point	2210	2185	N/a
	Wangarlu	2487	2462	436
	Darwin Radiolarite	2923	2898	35
	Echuca Shoals	2958	2933	121.5
Siltstone, sandst & claystone	Elang	3079.5	3054.5	91
Sandstone & claystone	Plover	3170.5	3145.5	118.5

Logging

- Suite 1 AIT-GR-LDL-CNL-4 arm caliper 3289 - 3000m
RFT-GR 3082 - 3258m
- Suite 2 USIT-CBL- 1555 - 3268m
VDL-GR-CCL 3268 - 3102m
- Suite 3 CPLT 3174 - 3074m

Cores

- No conventional cores were cut.
- No Sidewall cores (CST) were conducted.
- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- **Repeat Formation Tests (RFT);**
22 RFT pre-tests measurements attempted over the interval 3082 - 3258m with 16 were good tests, 4 were dry tests, 1 test did not seal and 1 test was a limited drawdown. No samples were taken.
- **Production Tests (PLT);**
PLT was carried out with the well flowing at two stabilised oil rates – a low rate test at around 4,700 bpd and a high rate test at approximately 8,500 bpd.

Remarks : Commercial Oil Well.

15. Elang-2

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 52' 48.820" South
Longitude 126° 35' 08.310" East
Graticular Block ????
- Water Depth : 79 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3200 metres (Formation target : Flamingo Gp & Montara)
- Duration : 24th Sep 1994 (Spudded) – 22th Nov 1994 (Rig Released)
- Well Status : Producing.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
N/A	N/A	101	79	969
Calcareenite, calcilutite	Hibernia	1070	1048	650
Argillaceous calcisiltite & calcareous claystone	Johnson	1700	1698	328
Calcareous claystone	Borde	2047.5	2025.5	127
Calcareous claystone	Fenelon	2174.5	2152.5	103.5
Calcareous claystone	Gibson	2305	2283	112
Calcareous claystone	Woolaston	2417.5	2395.5	39
Claystone & calcareous claystone	Wangarlu	2457	2435	394
Silty claystone	Darwin	2850	2828	31.5
Silty claystone	Echuca Shoals	2881.5	2859.5	90
Silty claystone	Flamingo	2931	2918	67.5
Sandstone, minor clyst.	Montara	3007	2985	71
Sandstone, minor clyst.	Plover	3075.5	3053.5	121.5

Logging

- Suite 1 DLL-MSFL-SDT-GR-SP-CAL-AMS 2502 - 100m
FMI-GR 2502 - N/A
VSP 2502 - N/A
MSDT 1761 - 1680.5m
- Suite 2 AS-DLL-MSFL-GR-AMS 2692 - 2495.5m

- Suite 3	JUNK BASKET-GAUGE RING	3131 - 95m
	AS(CBL)-CET-GR-CCL-VDL-AMS	3120 - 2410m
	CNL-APS-GR	3126 - 2950m
	CSI	3130 - 2100m
	GCT-AMS	3130 - 0m
	GR-CCL	3002 - 2880m
	USI-CBL-GR-CCL	3111 - 2995m

Cores

- Conventional cores;

Four conventional cores were cut in the Montara and Plover Formation. They were cut from 3007 to 3087.5m, a total of 78.95m with 98.3% recovery.

- No sidewall cores were shot.

- Mechanical Sidewall Cores (MSCT);

11 MSCT were taken over the interval 1761.0 - 1680.5m with 100% recovery.

Testing

- No Repeat Formation Tests (MDT) were conducted.

- Drill Steam Tests (DST):

3 DST were conducted over three intervals in the Montara and Plover Formation (from 3023 to 3067m), resulting in a combined flow rate of approximately 12209 bbl/d of oil (API of oil is 54.6°) and 556.34 mscf/d of gas.

Remarks : Commercial Oil Well.

16. Elang-3

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Appraisal
- Location : Latitude 10° 52' 59.950" South
Longitude 126° 37' 08.080" East
Graticular Block ????
- Water Depth : 83 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3216 metres (Formation target : Elang/Montara & Plover Fm)
- Duration : 12st May 1995 (kicked-off Sidetrack) - 13th Jun 1995 (Rig Released)
- Well Status : Plugged and Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcirodite, calcarenite	Undifferentiated	105	83	760.5

No returns	Hibernia	865.5	843.5	834.5
Calcareous claystone	Johnson	1700	1678	424
Calcareous claystone	Borde	2124	2102	95
Calcareous claystone	Fenelon	2219	2197	100.5
Marl, calcareous clst	Gibson	2319	2297	121
Marl, calcareous clst	Woolaston	2441	2419	41
Claystone, calcare. Clst	Wangarlu	2482	2460	410.5
Claystone	Darwin	2892.5	2870.5	34
Carbonaceous clst	Echuca Shoals	2926.5	2904.5	51
Silty claystone	Upper Flamingo	2977.5	2955.5	114
Sandstone, claystone	Elang/Montara	3099.5	3077.5	95.5
Sandstone, claystone	Plover	3216	3194	21+

Logging

- Suite 1	SDT-DLL-MDFL-GR-AMS-SP	3212 - 2092m
	LDL-CNL-GR-AMS	3213 - 2092m
	LDL-CNL-GR-AMS	3200 - 2800m
	FMI (IMAGES)	3214 - 2100m
	VSP	3211.0 - 1100m
	MSCT-CST	3181.5 - 2848m

Cores

- **No Conventional cores were conducted.**
- **Sidewall cores (CST);**
120 CST were shot over three intervals from 2847.5 to 3187.5m with 13 were lost, 6 were empty, 26 were misfire and 74 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
2 MSCT were taken over the interval 3187.5 - 3178.5m with 100% recovery.

Testing

- **No Repeat Formation Tests (MDT) were conducted.**
- **Drill Steam Tests (DST);**
1 DST was undertaken, resulting in a flow 500 bbl/d of water/filtrate over the interval 2800 to 2920m.

Remarks : Dry Hole.

17. Flamingo-1

General

- Concession : WA-16-P , Western Australia (Timor Sea)
- Operator : Arco Australia Limited
- Contractor/Rig : Sedco Incorporated / Sedco 135 G (Semi-Sub)
- Well type : Exploration
- Location : Latitude 11° 01' 34" South
Longitude 126° 28' 55" East
Graticular Block
- Water Depth : 96.03 metres
- Elevation (RKB-MISLW) : 34.45 metres
- Total Depth : 3700.91 metres (Formation target : Petrel Fm)
- Duration : 4th Aug 1971 (Spudded) – 8th Dec 1971 (Rig Released)
- Well Status : Permanently plugged & abandoned.

Stratigraphy

Age	Formation	mRT (m)	mSS (m)	Thickness
No returns		277.5	243	?
Middle – Upper Miocene		575	540.25	297
Lower Miocene		785.4	750.9	210.6
Oligocene		1134.4	1256	321.3
Eocene - Palaeocene		1540.5	1506.1	433.8
Paleocene	undifferentiated	2007.3	1972.7	466.8
Lower – Upper Cretaceous	Bathurst Island Fm.	2925.3	2890.9	918
Upper Jurassic – Lower Cret.	Petrel Fm.	3700.9	3665.9	775.6

Logging

IES	267m - 3700.3m
Microlog - Microlaterolog	267m – 3700.3m
Formation Density – Caliper	267m – 3700m
BHC - GR	267m – 3697.25m
BHC – GR - Amplitude	2810.4m – 2899.1m
Cement Bond Log	1707.3m – 2810.4m
Temperature	73.2m – 2795.7m
Sidewall Neutron Porosity	2811m – 3700m
Continuous Dipmeter	267.7m – 3700m
HDT	267.7m – 3479.3m

Cores

No..1	1211.58m – 1217.68	Recovery 60%
No..2	2125m – 2134.14m	Recovery 100%
No..3	2874.39m – 2883.53m	Recovery 36%
No..4	3300.30m – 3304.26m	Recovery 100%
No..5	3328.35m – 3336.28m	Recovery 100%
No..6	3624.39m – 3635.36m	Recovery 95.9%

- Sidewall cores (CST);

270- CST were shot over the interval 291m - 3695m. 195 were recovered.

- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

12 open hole Formation Interval tests were carried out between 3445m and 3654m. Ten were valid tests, one a failure due to seal problems, another due to a clogged flowline. Valid tests suggested tight water bearing sandstones but with gas minor gas shows from tests at 3315.5m and 3318.3m.

Remarks : Dry Hole, P&A with minor gas shows.

18. Fohn-1

General

- Concession : Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 11° 00' 12.062" South
Longitude 127° 08' 44.047" East
Graticular Block 414-D1
- Water Depth : 83 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3814 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 11th May 1994 (Spudded) – 6th Aug 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Undifferentiated to	105	83	n/a
Calcarenite w/int. minor sandstone & glauc. clst	Oliver	582	560	124
Calcarenite & calcilitite w/minor arg. siltstone	Hibernia	706	684	634
Int. sandstone & calcar. w/minor calc. clst & clst	Grebe Member	1340	1318	44
Calcarenite & calcilitite	Johnson	2002	1980	662
Marl w/int. calcilitite & calcareous claystone	Vee	2522	2500	520
Claystone	Wangarlu	3347	3325	825
Claystone w/minor siliceous claystone	Bathrust Island	3404	3382	57
Claystone	Darwin	3469	3447	65
Claystone, arg. siltstone	Flamingo	3512	3490	43
Sandstone w/minor siltstone & claystone	Plover	3585	3563	302

Logging

- Suite 1 GR (through casing to surface) 582 - 103m
GR-LLD-SLS-SP-AMS 1892 - 582m
- Suite 2 GR-AS-AMS (through casing) 3351.5 - 1798m
CNT-NGT-AMS (through casing) 3351.5 - 1800m
GR-LLD-AS-MSFL/CALI-SP-AMS 3676 - 3351.5m
LDT/CALI-CNT-NGT-SP-AMS 3676 - 3350.5m
FMS-GR-AMS 3676 - 3351.5m
MDT-GR 3655.5 - 3511.0m
- Suite 3 GR-LLD-MSFL/CALI-AS-SP-AMS 3758.4 - 3351.5m
LDT/CALI-CNL-NGT-AMS 3756.2 - 3351.5m
CSI (Velocity Survey) 3750 - 582.0m
MDT-GR 3667 - 3573.5m
RFT-GR 3735.7 - 3579.5m
MSCT-GR 3735.7 - 3579.5m
- Suite 4 GR-LLD-MSFL/CALI-AS-SP-AMS 3816 - 3500m
MDT-GR 3790 - 3574m
LDT/CALI-CNL-NGT-AMS 3811.0 - 3500m
MSCT-GR 3807.6 - 3785m

Cores

- Conventional cores;

One conventional core was cut over the interval 3760 - 3777m, a total of 17m with 94.12% recovery.

- No Sidewall cores (CST) were conducted.

- Mechanical Sidewall Cores (MSCT);

31 MSCT were taken over the interval 3807.6 - 3425m with 3 washouts and 28 cores recovered.

Testing

- Repeat Formation Tests (MDT);

76 MDT pre-tests measurements attempted over the interval 3511 - 3790m with 12 were good tests, 21 were tight, 22 were supercharged, 16 were seal failure and 4 were lost seals, and 1 segregated sample were acquired.

- No Drill Stem Tests (DST) were conducted.

Remarks : Non-Commercial Gas/Condensate Well.

19. Hingkip-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 59' 01.846" South
Longitude 126° 36' 41.485" East
Graticular Block ????
- Water Depth : 95 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3185 metres (Formation target : Elang & Plover Fm)
- Duration : 7th Jun 1997 (Spudded) – 29th Jun 1997 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No Returns	Undiff. to Oliver	120	95	677
Calacarenite w/occ. very thin clst interbedded	Prion	797	772	361
	Hibernia	1158	1133	290
Calc. sst w/interbeds of calcarenite & claystone	Grebe	1448	1423	71
Argillaceous carbonates	Johnson	1519	1494	468.5
Calcareous claystone	Turnstone	1987.5	1962.5	162.5
	Fenelon	2150	2125	187.5
Calc. clst grading to clst	Gibson	2337.5	2312.5	62.5
1	2	3	4	5
Calcareous claystone	Woolaston	2400	2375	58
Calc. clst grading to clst	Jamienson	2458	2433	322.5
Claystone	Darwin	2780.5	2755.5	114.3
carbonaceous claystone	Echuca Shoals	2894.8	2869.8	26.9
Silty claystones	Upper Flamingo	2921.7	2896.7	127.8
Interbedded sandstone, siltstone & claystone	Elang	3049.5	3024.5	75.5
	Plover	3125	3100	68+

Logging

- Suite 1	GR-AS-CAL-DLL-AMS-SP	2038.0 - 118m
	CHECKSHOT	2030.0 - 550m
- Suite 2	OBDT-AIT-AS-GR-AMS	3192.6 - 1974m
	FMS-LDL-CNL-GR-AMS	3192.8 - 2800m
	MDT-GR-AMS	3176.5 - 3044.2m
	VSP	3185.0 - 2050.0m
	MSCT-GR	3145.0 - 2904m
	CST-GR	3185.0 - 2907m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
30 CST were shot over the interval 2907.0 - 3185.0m with 6 were not recovered and 24 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
39 MSCT were taken over the interval 2904.0 - 3145.0m with 100% recovery.

Testing

- **Repeat Formation Tests (MDT);**
23 MDT pre-tests measurements attempted between 3044.2 - 3176.5m with 19 were good tests and 4 were tight.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Volatile Oil Discovery.

20. Hydra-1

General

- Concession : Zone of Cooperation, Area A, Block 91-11, Timor Sea
- Operator : Marathon Petroleum Timor Gap West, Ltd
- Contractor/Rig : Atwood Oceanics/Atwood Oceanics "Falcon" (semisub)
- Well type : Exploration
- Location : Latitude 10° 22' 36.867" South
Longitude 126° 52' 59.908" East
Graticular Block 221-C3
- Water Depth : 98.8 metres
- Elevation (RKB-MISLW) : 22.25 metres
- Total Depth : 2685 metres (Formation target : Plover Fm)
- Duration : 7th Dec 1992 (Spudded) – 8th Jan 1993 (Rig Released)
- Well Status : Permanently plugged & abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness
No returns	Sea Bed/Barracouta	121.1	98.8	228.9
Calcarenite & calcilutite	Oliver	350	327.7	648
Calcarenite & calcilutite	Cartier	998	975.7	231
Claystone & calcarenite	Hibernia	1229	1206.7	184
Calcilutite & marl	Eocene Marker	1413	1390.7	389
Calcilutite & claystone	Johnson	1802	1779.7	113
Calcilutite, clst and marl	Borde	1915	1892.7	44
Calcilutite, clst and marl	Upper Wangarlu	1959	1936.7	158
Claystone, marl & minor calcilutite	Lower Wangarlu	2117	2094.7	163
Claystone	Darwin Radiolarite	2280	2257.7	24.5
Claystone, marl & dolomite	Darwin Glauconitic	2304.5	2282.2	3.5
Claystone, calcilutite & minor marl	Flamingo	2308	2285.7	4
Sandstone, clst & slst	Plover	2312	2289.7	373

Logging

- Suite 1	DLL-AS-SP-CAL-AMS (GR to sea floor)	1144 - 463.5m
	VSP (Run 1)	1120 - 400.0m
- Suite 2	DLL-MSFL-AS-NGT-SP-CAL-AMS-LDL-CNL	2652.5 - 2200.0m
	DLL-MSFL-AS-SGR-SP-CAL-AMS-LDL	2200.0 - 1190.5m
	GR-LDL-AS (logged through casing)	1190.5 - 1050.0m
	SHDT-GR	2672.5 - 2100.0m
	VSP (C-SAT)	2672.5 - 1100.0m
	VDL	1230.0 - 895.0m
	CST	2659.1 - 1250.9m
	CBL-VDL	1190.5 - 340.0m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
60 CST were shot over the interval 1259.9 - 2659.1m with 1 lost bullet, 11 were empty and 48 were recovered (80%).
- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **No Repeat Formation Tests (MDT) were conducted.**
- **No Drill Stem Tests (DST) were conducted.**

Remarks : Dry Hole.

21A. Jahal-1

General

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 34' 08.020" South
Longitude 126° 06' 41.240" East
Graticular Block ????
- Water Depth : 402.3 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3440 metres (Formation target : Elang & Plover Fm)

- Duration : 23rd Apr 1996 (Spudded) – 3rd Jun 1996 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	430	405	709+
Bioclastic calcarenite	Oliver	1139	1114	685
Sst/clst int.w/calcarenite	Oliver Sst Member	1824	1799	21
Calcarenite w/clst & sst	Cartier	1845	1820	187
Calcarenites, calcilutites	Prion	2032	2007	485
Int. Calcarenite & calcilutite w/minor chert	Hibernia	2517	2492	157
Qtzose sandstones	Grebe (Equiv)	2674	2649	67
Int. calcilutites & clst	Johnson	2741	2716	62
Calcareous claystone	Wangarlu	2803	2778	70
Claystone	Upper Jamieson	2873	2848	72
Argillaceous calcilutite	Lower Jamieson	2945	2920	50
Claystone	Darwin	2995	2970	7
	Echuca Shoals	3002	2977	54
	Flamingo	3056	3031	233
	Frigate	3289	3264	9
Sandstone w/minor clst	Elang	3298	3273	80
Sandstone w/minor clst	Plover	3378	3353	62+

Logging

- Suite 1 GR-SDT-CAL-DLL-AMS-SP 2762.0 - 415m
- Suite 2 DIL-SDT-CAL-GR-AMS-SP 3443.8 - 2760m
- LDL-CNL-NGS-AMS 3438.7 - 2760m
- CST (CHECKSHOT) 3440 - 2210m
- HP-RFT-GR-AMS 3413 - 3302.5m
- MSCT-GR 3418 - 3261.8m
- CST-GR 3425 - 2785m
- FMI-GR-AMS 3438 - 2880m
- MSD-CYBDIP 3438 - 2880m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
60 CST were shot over the interval 3425 - 2785m with 9 were lost, 6 were empty and 45 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
24 MSCT were taken over the interval 3261.8 - 3418m with 2 were empty and 22 were recovered.

Testing

- **Repeat Formation Tests (MDT);**
18 MDT pre-tests measurements attempted between 3302.5 - 3413m with 6 were good tests, 9 were tight and 3 were supercharged.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Oil Discovery.

21B. Jahal-1/ST1

General

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 34' 08.020" South
Longitude 126° 06' 41.240" East
Graticular Block ????
- Water Depth : 402.3 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3445 metres (Formation target : Elang Fm)
- Duration : 10th May 1996 (Kick.off st) – 3rd Jun 1996 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No returns	Barracouta	430	405	709+
Bioclastic calcarenite	Oliver	1139	1114	685
Sst/clst int.w/calcarenite	Oliver Sst Member	1824	1799	21
Calcarenite w/clst & sst	Cartier	1845	1820	187
Calcarenites, calcilutites	Prion	2032	2007	485
Int. Calcarenite & calcilutite w/minor chert	Hibernia	2517	2492	157
Qtzose sandstones	Grebe (Equiv)	2674	2649	67
Int. calcilutites & clst	Johnson	2741	2716	62
Calcareous claystone	Wangarlu	2803	2778	71
Claystone	Upper Jamieson	2874	2849	73
Argillaceous calcilutite	Lower Jamieson	2947	2922	47
Claystone	Darwin	2994	2969	6
1	2	3	4	5
Claystone	Echuca Shoals	3000	2975	53
	Flamingo	3053	3028	214
	Frigate	3267	3242	11
Sandstone w/int. clst	Elang	3278	3253	73
Sandstone w/minor clst	Plover	3351	3326	56+

Logging

- Suite 3
 - PI-AS-GR-CAL-AMS 3444.4 - 2760m
 - LDL-CNL-GR-AMS 3444.4 - 2760m
 - AMS-GPIT 3444.4 - 2760m
 - MDT-GR 3394.4 - 3301m
 - UBI-GR 3408 - 2760m
 - USI-GR 2745 - 426m
- Suite 4
 - HSD 3315 - 3300m
 - CBL-VDL-CCL-GR 3280 - 3150m
 - MWD-DPR-GR (MD) 3445 - 2780m
 - MWD-DPR-GR (TVD) 3445 - 2780m
 - DST-CPLT 3315 - 3300m

Cores

- Conventional cores;

Three conventional cores were cut in the Elang and Plover Formations. They were cut from 3303 to 3383m, a total of 80m with 99.4% recovery.

- No Sidewall cores (CST) were conducted.
- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- Repeat Formation Tests (MDT);

30 MDT pre-tests measurements attempted between 3114 - 3394.4m with 9 were good tests, 12 were tights, 4 were supercharged and 5 were lost seals.

- Drill Steam Tests (DST):

1 DST was undertaken, resulting in a flow 1422 dtb/d of oil (API of oil is n/a) and 90 mscf/d of gas over the interval 3300 - 3315m.

Remarks : Oil Discovery.

22. Jura-1/ST1

General

- Concession : Zone of Cooperation, Area A, Block 95-19, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-19) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Exploration
- Location : Latitude 09° 49' 50.931" South
Longitude 127° 37' 35.589" East
Graticular Block ????
- Water Depth : 361.4 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 2598 metres (Formation target: Plover Fm)
- Duration : 17th Jul 1999 (Spudded) – 10th Aug 1999 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No Returns	Sea Bed	383.4	361.4	647.4
	Oliver	1031	1008.8	85.8
	Cartier	1117	1094.6	244.2
1	2	3	4	5
No Returns	Prion/Hibernia	1362	1338.8	194.9
Argillaceous calcilutite & calcareous claystone	Johnson	1557	1533.7	147.9
	Upper Wangarlu	1705	1681.6	267.9
Calc. clst, clst & rare calcil.	Jamieson	1973	1949.5	397
Calc. clst, arg. calcil. & calcil.	Darwin	2370	2346.5	50.4
Clst, silic., clst & calc. clst	Echuca Shoals	2420.5	2396.9	50.6
Claystone & calcareous clst	Flamingo	2471	2447.5	8
Calcilutite	Frigate	2479	2455.5	15
Clst, arg. siltst, & min arg. sst	Laminaria/Elang	2494	2470.5	39
Sandstone, clst & slst	Plover	2533	2509.5	65+

Logging

- Suite 1 XMAC-ZDL-CN-SL-SP-CAL 2595 - 1650m
- SWC-GR 2591 - 2367m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
50 CST were shot over the interval 2591 - 2367m with 2 bullets were empty and 48 were recovered.
- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **No Repeat Formation Tests (MDT) were conducted.**
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Dry Hole.

23. Kakatua North-1A

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 50' 39.710" South
Longitude 126° 28' 05.060" East
Graticular Block ????
- Water Depth : 94 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3290 metres (Formation target : Elang & Plover Fm)
- Duration : 21st Jan 1997 (Spudded) – 20th Feb 1997 (Rig Released)
- Well Status : Producing.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
Calcarenite w/minor clst	Undiff to Oliver	119	94	931
Calcarenites	Prion	1040	1025	448.5
Calcarinite becoming a cacisilutite	Hibernia	1498.5	1473.5	409.5
Sandstone	Grebe	1908	1883	99.5
Argillaceous carbonates	Johnson	2007.5	1982.5	229
Calcareous claystones	Turnstone	2236.5	2211.5	133.5
Clst grading to calc. clst	Fenelon	2370	2345	127
Marl grading to calc.clst	Gibson	2497	2472	119
Calcareous claystones	Woolaston	2616	2591	43
Claystone	Jamienson	2659	2634	231
	Darwin	2890	2865	83
	Echuca Shoals	2973	2948	40
Silty claystone grading to calcareous siltstone	Upper Flamingo	3013	2988	118.5
1	2	3	4	5
Silty claystone grading to calcareous siltstone	Upper Flamingo	3013	2988	118.5
Interbedded sandstone, siltstone & claystone	Elang	3131.5	3106.5	112.5
	Plover	3244	3219	71+

Logging

- Suite 1 GR-AS-CAL-DLL-AMS-SP 2288.5 - 100m
- Suite 2 AIT-AS-GR-AMS 3124.5 - 913m

	OBDT	3124.5 - 2280m
	FMI-GR	3124.1 - 2786m
	CNL-LDL-NGS	3106.5 - 2786m
	VSP	3120.0 - 900m
	GR-MSCT	2965.1 - 2902.4m
- Suite 3	PI-AS-GR-CAL-AMS	3303.2 - 3123.0m
	CNL-LDL-NGS	3295.0 - 3123.0m
	MDT-GR-AMS	3267.0 - 3132.5m
	MDT-SAMPLING	3267.0 - 3132.5m
	FMI-GR-AMS	3304.6 - 3123m
	VSP	3305.0 - 3123m
	CST	3304.2 - 3123m

Cores

- Conventional cores;

One conventional core was cut from 3163 - 3182m, a total of 19m with 97.4% recovery.

- Sidewall cores (CST);

21 CST were shot over the interval 3270.4 - 3126.5m with 2 were empty and 19 were recovered.

- Mechanical Sidewall Cores (MSCT);

9 MSCT were taken over the interval 2902.4 - 2965.1m with 2 were rejected and 7 were recovered.

Testing

- Repeat Formation Tests (MDT);

26 MDT pre-tests measurements attempted between 3267 - 3132.5m with 14 were good tests, 8 were dry tests and 3 were supercharged.

- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Oil Well.

24. Kakatua-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 51' 15.170" South
Longitude 126° 28' 11.510" East
Graticular Block ????
- Water Depth : 94 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3290 metres (Formation target : U. Flamingo & Montara)
- Duration : 23th Nov 1994 (Spudded) – 22nd Dec 1994 (Rig Released)
- Well Status : Producing.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	116	94	329
No returns	Oliver	445	423	607
No returns	Prion Limestone	1052	1030	247
Calclutite	Hibernia	1305	1283	581
Calclutite	Grebo SST "Eq"	1906	1884	49
Calclutite	Dense Calclutite	1935	1913	38
Calcareous clyst., clyst.	Johnson	1972	1950	260
Calcareous clyst., clyst.	Borde (U. Wgl.)	2232	2210	90
Calcareous clst & clst	Fenelon (U. Wgl.)	2385	2363	120
Calcareous clst & clst	Gibson (U. Wgl.)	2475	2453	120
Calcareous clst & clst	Woolaston (U. Wgl)	2595	2573	44.5
Calcareous clst & clst	Jamienson (L. Wgl)	2639.5	2617.5	305.5
Claystone (clst)	Darwin Radiolarite	2945	2923	30
Claystone (clst)	Echuca Shoals	2975	2953	47
Claystone (clst)	Upper Flamingo	3022	3000	125
Claystone (clst)	Lower Flamingo	3147	3125	3
Sandstone & minor clst	Montara	3150	3128	86
Sandstone & minor clst	Plover	3236	3214	n/a

Logging

- Suite 1	DLL-MSFL-AS-GR-AMS-SP	2880 - 116m
	CSI-VSP	2875 - 700m
- Suite 2	DLL-MSFL-AS-GR-AMS-SP	3287 - 2870m
	LDL-CNL-GR-AMS	3292 - 2870m
	MDT-GR	3267.5 - 2915m
	CSI-(ZERO OFFSET)VSP	3292.0 - 2870m
	MSCT-GR	3238.5 - 3151.2m
	AMS-GPIT-CST	3287.0 - 2870.0m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
60 CST were shot over the interval 3278 - 2895m with 14 were empty and 46 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
32 MSCT were taken over the interval 3171.5 - 3180.5m with 3 were lost and 29 were recovered.

Testing:

- **Repeat Formation Tests (MDT);**
22 MDT pre-tests measurements attempted between 881.5 - 1078.5m with 12 were good tests, 8 were tight/supercharged and 2 were lost seals.
- **Drill Steam Tests (DST);**
1 DST was undertaken, resulting in a flow 5445 bbl/d of oil and 219 mscf/d of gas (API of oil: n/a) over the interval 3160 to 3184m.

Remarks : Commercial Oil Well.

25. Kelp Deep-1/ST1

General

- Concession : Zone of Cooperation, Area A, Block 95-18, Timor Sea
- Supervisor/Operator : Mobile Pty. Ltd./Shell Development Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Exploration
- Location : Latitude 10° 10' 05.406" South
Longitude 127° 06' 40.544" East
Graticular Block ????
- Water Depth : 222 metres
- Elevation (RKB-MISLW) : 22.0 metres
- Total Depth : 5122 metres (Formation target: Hyland Bay Fm)
- Duration : 19th Apr 1997 (Spudded) – 4th Jan 1998 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Baracouta	244	220	170.5
Calcilutite	Ovliver	414.5	392.5	609.6
Calcareous clst & clst	Cartier	1024.1	1002.1	277.9
Calcareous clst w/minor int. calcil. & arg.calcil.	Prion	1302	1280	134
Calc. clst int.w/, grading to minor arg.calcil, calcis	Hibernia	1436	1414	148
Arg. calcilutite, calcis. w/int. calc. clst & marl	Grebe	1584	1562	76
Arg.calcil. & calcisiltite int. w/ grading to marl	Johnson	1660	1638	82
Marl grading to & int.w/ sudor. arg. calcisiltite	Turnstone	1742	1720	69.2
Calcareous, siliciclastick mudrck and marl	Upper Wangarlu	1811.2	1789.2	132.3
Clst becoming dolomitic	Lower Wangarlu	1943.5	1921.5	173
Calcareous calystone	Bathurst Radilarite	2116.5	2094.5	24
Claystone	Darwin	2140.5	2118.5	1.9
Glau. sandst & silty sst	Flamingo	2142.4	2120.4	72.1
Glauconitic sandstone	Frigate	2214.5	2192.5	10.9
Sandstone & silty clst	Elang	2225.4	2203.4	18.1
Sandstone	Plover	2243.5	2221.5	309.9
Sandstone & claystone	Malita	2553.4	2531.4	62.4
Interbedded sandstone & clst w/ minor siltstone	Cape Londonderry	2615.8	2593.5	831.4
Micaceous and non-calcareous claystone	Mt. Goodwin	3447.2	3425.2	827.8
	Hyland Bay:	4275	4253	847
Limestone	- Dombey Lst Mbr	4275	4253	214.8
Claystone & silty clst	- Cape Hay Mbr	4489.8	4467.8	392.6
	- Pearce Mbr:	4882.4	4860.4	239.6
Limestone & arg. limest.	- upper Pearce lst	4882.4	4860.4	123.3
Clst, arg. lst & limestone	- middle Pearce shl	5005.7	4983.7	69.5
Limestone	- lower Pearce lst	5075.2	5053.2	46.8

Logging

- Suite 1	MLL/DLL/MAC/ZDL/CN/GR	2127 - 220m
	MDLL/MLL/MAC/DSL/ZDL/CN (SLAM)	3990 - 2122m
- Suite 2	STAR	3972 - 2800m
- Suite 3	DLL/MLL/MAC/GR/ZDL/CN/SG/CAL (SLAM)	4622 - 3809m
	STAR	4622 - 3809m
	VSP	4600 - n/a m
	MRIL	4600 - 3809m
	FMT	4609 - 3847m
	RCORE	4604 - 4576m
	SWC	4659 - 3850m
	CBL/CCL/GR	4453 - 3600m
	MAC/DLL/ZDL/CN/SL (SLAM)	5122 - 4669m
	GR	5080 - 4669m
	CBIL/GR	5097 - 4669m

Cores

- **No conventional cores were cut.**

- **Sidewall cores (CST);**

50 CST were shot over the interval 3854.0 - 4658.5m with 22 cores recovered (44%).

- **Mechanical Sidewall Cores (MSCT);**

4 MSCT were taken over the interval 4584.0 - 4603.5m with 2 cores recovered (50%).

Testing

- **Repeat Formation Tests (MDT);**

51 MDT pre-tests measurements attempted through the Mt. Goodwin and Hyland Bay formations, with 4 were good tests; 1 was building; 30 were tight; 15 were seal failures; and 1 was segregated sample.

- **Drill Steam Tests (DST):**

Kelp Deep-1

5 DST were conducted over five intervals in the Hyland Bay Formation (from 4275.5 to 5100.0m), resulting in a combined flow rate of approximately 9.35 mmscf/d of gas. The gas is dry with methane predominant ($C_1= 80\%$).

Kelp Deep-1/ST1

1 DST was conducted over one interval in the upper Dombey Limestone (from 4363.0 - 4409.0m), resulting in a flow 0.03 mmscf/d of gas.

Remarks : Non-Commercial Gas Discovery.

26. Kelp-1

General

- Concession : Zone of Cooperation, Area A, Block 91-04, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-4) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 10° 06' 16.072" South
Longitude 126° 59' 34.957" East
Graticular Block 143-E2
- Water Depth : 324 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 2712 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 17th Feb 1994 (Spudded) – 25th Mar 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Undifferentiated	346	324	514
Calcarenite, calcilutite	Oliver??	860	838	255
Clastone	Cartier	1115	1093	315
Claystone, calcilutite	Hibernia	1430	1408	356
Marl, calcilutite, clayst.	Johnson	1786	1764	117
Calcilutite, minor clayst.	Bathurst Island	1903	1881	66
Claystone, siltstone	Wangarlu	1969	1947	82
Claystone, marl, calcilut	Radilarian/Darwin	2051	2029	18
Sandstone, siltstone	Flamingo	2069	2047	92.5
Claystone, sandstone	Laminaria/Montana	2161.5	2139.5	61.5
Sandstone, sltst, clyst.	Plover	2223	2201	217.5
Calcilutite, clyst, sndst.	Sahul	2440.5	2418.5	271.5

Logging

- Suite 1	DLL-BHC-LDL-GR-CAL	2050 - 855m
	CST-GR	1992 - 882m
- Suite 2	DLL-MSFL-AS-GR-CAL	2710 - 2040m
	LDL-CNL-FMS-GR	2703 - 2040m
	VSP(CSI)	2700.0 - 400m
	MDT-GR	2631.5 - 2072m
	MSCT-GR	2422 - 2080m
	CST-GR	2707 - 2056m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
120 CST were shot over two intervals (1992 - 882m and 2707 - 2056m) with 8 were lost and 112 were recovered (93.3%).
- **Mechanical Sidewall Cores;**
8 MSCT were taken over the interval 2422 - 2080 m with 1 lost and 7 cores recovered.

Testing

- **Repeat Formation Tests (MDT);**
22 MDT pre-tests measurements attempted over the interval 2072 - 2631.5m with 20 were good tests (no gas was recovered), 1 was supercharged and 1 failed due to tight formation.
- **No Drill Steam Tests (DST) Were Conducted.**

Remarks : Dry hole.

27.

Krill-1

General

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 44' 54.520" South
Longitude 126° 12' 06.740" East
Graticular Block ????
- Water Depth : 268 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3640 metres (Formation target : Elang & Plover Fm)

- Duration : 30rd Jun 1997 (Spudded) – 27th Jul 1997 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
Calcarenites	Barracouta/Oliver	293	268	1360
Calcarenites	Cartier	1729	1628	35
Int. calcarenite, calcilutite &	Prion	1764	1663	464
1	2	3	4	5
minor claystone				
Calcarenite w/minor int. claystone & sandstone	Hibernia	2229	2127	164
calcarenites & claystone	Grebe	2393.5	2291	94
Claystone grading to calcar. clst & arg. clst	Johnson	2487	2385	228
Int. calcar. clst, arg. calci. & marl grading to clst	Wangarlu	2715	2613	314.5
Claystone becoming calcareous with depth	Jamieson	3030	2927.5	188.5
Claystone	Darwin	3219	3116	28
Claystone	Echua Shoals	3247	3144	23
Silty claystone	Flamingo	3270	3167	182
Int. argillaceous siltstone	Frigate	3452	3349	24
Sandstone w/int. clst	Elang	3476	3373	123
Sandstone	Plover	3599	3496	41+

Logging

- Suite 1	GR-AS-MSFL-DLL-SP	2550.5 - 293m
	CHECKSHOT SURVEY	2540.0 - 390m
- Suite 2	OBDT-AIT-AS-GR-AMS	3646 - 2538.5m
	FMS-LDL-CNL-GR-AMS	3646 - 3050.0m
	MDT-GR	3615 - 3477m
	VSP	3640 - 2440m
	MSCT-GR	3625 - 3264m
	CST-GR	3601 - 2561m

Cores

- Conventional cores;

Two conventional cores were cut in the Elang and Plover Formations. They were cut from 3486.0 to 3541.6m, a total of 56.53m with 98.6% recovery.

- Sidewall cores (CST);

30 CST were shot over the interval 3601 - 2561m with 1 was lost, 1 was empty, 2 were misfire and 26 were recovered.

- Mechanical Sidewall Cores (MSCT);

32 MSCT were taken over the interval 3625.1 - 3264m with 1 was empty and 31 were recovered.

Testing

- Repeat Formation Tests (MDT);

26 MDT pre-tests measurements attempted between 3477.0 - 3615.0m with 8 were good tests, 17 were tight and 1 lost seal.

- No Drill Steam Tests (DST) were conducted.

Remarks : Abandoned Oil Well.

28. Kuda Tasi-1

General

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-1) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 32' 17.178" South
Longitude 126° 09' 26.033" East
Graticular Block ???
- Water Depth : 430 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3510 metres (Formation target : Laminaria Fm)
- Duration : 7th Mar 2001 (Spudded) – 23th Mar 2001 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Sea Bed/Barracouta	455	430	n/a
	Oliver	n/a	n/a	n/a
	Cartier	1845	1820	285
	Prion	2130	2105	391
	Hibernia	2521	2496	229
Arg. calcilu. grd. to calca. clst	Johnson	2750	2725	69
Arg. calcilu. interb. calca. clst	Bathurst Island Gp	2819	2794	158
Claystone & calca. claystone	Jamieson	2977	2952	142
Argillaceous (arg.) calcilitite	Darwin	3119	3094	11
Hard claystone	Echuca Shoals	3130	3105	73
Claystone & minor arg. siltst.	Flamingo	3203	3178	201
Claystone interb.w/ arg. siltst.	Frigate	3404	3379	24.5
Sandstone & argillaceous sandstone w/minor siltstone & claystone	Laminaria	3428.5	3403.5	85.8
Sandstone & arg. sandstone	Plover	3514.3	3489.3	20.7

Logging

- Suite 1 PEX-HRLS-HNGT 3526.0 – 0455.0
- MDT-GR 3512.0 – 3430.0
- GR-FMI-DSI 3523.0 – 3400.8
- MDT-GR 3496.0 – 3431.0
- Dual CSAT 3517.0 – 0452.0
- CST-GR 3516.0 – 2969.5

Cores

- **No Conventional cores were cut.**
- **Sidewall cores (CST);**
60 CST were shot over the interval 2969.5 – 3516.0m with 3 bullets were empty, 2 lost bullets, 12 misfires and 43 were recovered.
- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **Repeat Formation Tests (MDT);**
52 MDT pre-tests measurements attempted over two intervals between 3512.0 to 3430.0m and 3496.0 – 3431.0m with 31 valid pretests, 12 oil samples and 2 water samples were collected.

- No Drill Steam Tests (DST) were conducted.

Remarks : Oil Discovery.

29. Layang-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 10° 51' 01.535" South
Longitude 126° 25' 21.781" East
Graticular Block ????
- Water Depth : 101.5 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3353 metres (Formation target : Elang & Plover Fm)
- Duration : 29th Jul 1997 (Spudded) – 22nd Aug 1997 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calacarenite	Barracouta/Oliver	126	101	950
Int. Sst, clst & calcar.	Oliver Sst Member	1076	1051	21
Int. calcarenite, calc. clst and minor siltstone	Prion	1097	1072	450.5
Calcarenite & minor int. calcareous claystone	Hibernia	1547.5	1522.5	404.5
Calcareous w/int. calcis.	Johnson	1952	1927	287
Calcareous claystone grading to marl & calcil.	Turnstone	2239	2214	173
Calc. clst grading to marl	Fenelon	2412	2387	107
Marl	Gibson	2519	2494	116
Marl	Woolaston	2635	2610	39
Claystone	Jamienson	2674	2649	258
Silaceous claystone	Darwin	2932	2907	77
Carbonaceous claystone	Echuca Shoals	3009	2984	46
Silty claystones	Flamingo	3055	3030	139
Sandstone w/int. clst	Elang	3194	3169	111
Sandstone w/minor clst	Plover	3305	3280	48+

Logging

- Suite 1 SGR-AS-MSFL-DLL-AMS-SP-GPIT 2335.0 - 123m
- Suite 2 OBDT-AIT-AS-GR-AMS-CAL 2972.5 - 2327m
- Suite 3 MSFL-AS-DLL-GR-AMS 3358 - 3094m
- FMI-LDL-CNL-GR-AMS 3358 - 3094m
- VSP 3355 - 1245m
- MDT-GR 3323 - 3194.3m
- CST-GR 3355 - 3208.4m

Cores

- Conventional cores;

Two conventional cores were cut in the Elang and Plover Formations. They were cut from 3204.0 to 3232.0m, a total of 28.13m with 98.4% recovery.

- Sidewall cores (CST);

42 CST were shot over the interval 3355.0 - 3208.4m with 15 were empty, 17 were misfired and 10 were recovered.

- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **Repeat Formation Tests (MDT);**

14 MDT pre-tests measurements attempted between 3323.0 - 3194.3m with 8 were good tests and 6 were tight.

- **No Drill Steam Tests (DST) were conducted.**

Remarks : Residual HC Column.

30. Mandar-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd./Petroz (Timor Sea) Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 35' 53.390" South
Longitude 126° 47' 40.850" East
Graticular Block ???
- Water Depth : 70 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3172 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 23th Feb 1994 (Spudded) – 26th Mar 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No returns	Barracouta	92	70	
Calcarenite, calcilutite	Oliver	284	262	635
Calcarenite	Cartier	919	897	77
Calcarenite, calcilutite	Hibernia	996	974	879
and calcareous clyst.	Hibernia	996	974	879
calcisiltite, marl, clayst.	Johnson	1875	1853	288
Calcareous claystone	Borde	2163	2141	64
Calcareous claystone	Fenelon	2227	2205	95.5
Argillaceous calcilutite, calcareous claystone	Gibson	2322.5	2300.5	44.5
Argillaceous calcilutite	Woolaston	2367	2345	31.5
Claystone, calcareous	Lower Wangarlu	2398.5	2376.5	336.5
Claystone	Upper Darwin	2735	2713	27
Claystone, calcareous	Lower Darwin	2762	2740	78
1	2	3	4	5
Claystone, silstone	Upper Flamingo	2840	2818	51.5
Claystone, sandstone	Montara	2891.5	2869.5	68.5
sandstone, claystone	Plover	2960	2938	212+

Logging

- Suite 1 DLL-MSFL-GR-SP-GPIT-CAL-AMS 1793 - 547m
CSI-VSP 1780 - 400m
CST-GR 1786 - 547m
AMS-GPIT-CST 1761 - 120m
- Suite 2 DLL-MSFL-SDT-GR-CAL-SP 3011 - 1789m

	RFT-HP-GR	2998.4 - 1789m
	AMS	2980.0 - 1789m
- Suite 3	FMS-LDL-CNL-CAL-GR-AMS	3171 - 1789m
	MSCT-GR	3065 - 2736m
	RFT-HP-GR	3132.5 - 2977.5m
	VSP-CSI	3160.0 - 1500.0m
	DLL-MSFL-SDT-GR-CAL-SP	3171 - 2725m
	CST-GR	3171 - 1789m
	MSCT	3171 - 1789m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
120 CST were shot over the interval 3170 - 567 m with 8 were lost and 112 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
18 MSCT were taken over the interval 3065 - 2736 m with 100% recovery.

Testing

- **Repeat Formation Tests (MDT);**
66 MDT pre-tests measurements attempted over the interval 2885 - 3069m with 22 were good tests, 11 failed due to seal failures, 8 were supercharged and 25 failed due to tight formation.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Residual HC column.

31. Minotaur-1

General

- Concession : Zone of Cooperation, Area A, Block 91-11, Timor Sea
- Supervisor/Operator : Marathon Petroleum Timor Gap West, Ltd.
- Contractor/Rig : Atwood Oceanics/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 44' 50.969" South
Longitude 126° 58' 29.144" East
Graticular Block 328-D5
- Water Depth : 72 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3406 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 5th May 1994 (Spudded) – 17th Jul 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	94	72	313
Calcarenite, calcar.sdst	Oliver	407	385	412
Calcarenite, calcilitite and calcareous clyst.	Hibernia	819	797	864
calcisiltite, marl, clayst.	Johnson	1683	1661	527
Marl, calcilitite	Borde	2210	2188	67
Marl, Claystone	Upper Wangarlu	2277	2255	285

Claystone, Calcar.clyst.	Lower Wangarlu	2562	2562	550
Siliceous claystone, siliceous calcilutite.	Upper Darwin	3112	3090	18
Silty claystone	Lower Darwin	3130	3108	68.5
Argillaceous siltstone, claystone	Flamingo	3198.5	3108	102.5
Sandstone, claystone	Plover	3301	3279	105

Logging

- Suite 1 DLL-MSFL-AS (as LSS)-GR-SP-CAL-AMS 3405 - 3107m
 LDL-CNL-GR 3406 - 3107m

Cores

- No conventional cores were cut.
- No sidewall cores (CST) were conducted.
- No Mechanical cores (MCST) were conducted.

Testing

- No Repeat Formation Tests (MDT) were conducted.
- No Drill Steam Tests (DST) were conducted.

Remarks : Non-Commercial Gas/Condensate Well.

32 Mistral-1

General

- Concession : Zone of Cooperation, Area A, Block 91-13, Timor Sea
- Supervisor/Operator : Phillips Petroleum Company ZOC.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 11° 03' 27.08" South
 Longitude 126° 47' 30.62" East
 Graticular Block 410-C4
- Water Depth : 76 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3231 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 9th Jan 1994 (Spudded) – 14th Feb 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Most no returns		98	76	659
Calcarenite, calcilutite	Oliver			
Claystone, calcilutite	Hibernia	757	735	1290
Marl, calcilutite	Johnson	1388	1366	574
Marl, claystone	Upper Wangarlu	1962	1940	456
Calcareous, claystone	Lower Wangarlu	2418	2396	494
Claystone	Upper Darwin	2912	2890	95
Carbonac. claystone	Lower Darwin	3007	2985	18
Claystone, siltstone	Upper Flamingo	3025	3003	63
Sandstone minor sltst	Plover	3088	3066	143+

Logging

- Suite 1 GR-DLL-SLS-MSFL-GPIT-AMS-SP 600 - 1532m

- Suite 2	GR-DLL-AS-GPIT-AMS-SP	1513.5 - 3046m
- Suite 3	GR-DLL-SLS-MSFL-AMS-SP	3237.0 - 3032m
	LDL-CNL-NGS-AMS	3237 - 3032m
	FMS-GR-AMS	3237 - 3032m
	DSI-GR-AMS	3229.5 - 3025m
	CSI	3233.0 - 102m
	RFT-GR-AMS	3214 - 3103m
	MSCT-GR	3221 - 3080m
	CST-GR	3037 - 3037m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
30 CST were shot over the interval 3037 - 3237m with 4 were lost and 26 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
17 MSCT were taken over the interval 3080 - 3221 m with 1 lost and 16 cores recovered.

Testing

- **Repeat Formation Tests (MDT);**
36 MDT pre-tests were attempted over the interval 3108 - 3124m with 9 were good tests, 12 were tight, 2 were supercharged and 9 were lost seal, and 4 segregated samples were collected.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Non-Commercial Gas/Condensate discovery.

33. Nabarlek-1

General

- Concession : Zone of Cooperation, Area A, Block 91-14, Timor Sea
- Supervisor/Operator : Enterprise Oil Exploration Timor Gap (14) Limited
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 10° 57' 09.311" South
Longitude 127° 30' 06.110" East
Graticular Block ???
- Water Depth : 68 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3157 metres (Formation target : Plover Fm)
- Duration : 28th Mar 1994 (Spudded) – 10th May 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	90	68	387
Calcil. w/int. calcar. & calcis., sst below 746m	Oliver	477	455	288
Calcarenite w/minor calcis., calcil. & marl	Hibernia	765	743	543
No returns	Grebe Member	1308	1286	87
Calcarenite w/int. calcil., marl & clst & occ. sst	Johnson	1395	1373	421
Calcareous clst & marl	Borde/up. Wangarlu	1816	1794	368.5

Claystone	Lower Wangarlu	2185	2162.5	849.5
Clst w/int. calcilutite	Radiolirite Member	3035	3012	36
Calcareous clatstone	Darwin	3071	3048	14
Glaconitic claystone	Flamingo Gp	3084	3062	5
Sandstone	Plover	3090	3067	67+

Logging

- Suite 1	AMS-GR (Through casing)	0092 - 2970m
	GR-DLL-DSI-MSFL-AMS-SP	2884 - 2970m
	CSI (VSP)	0092 - 2931m
- Suite 2	GR-DLL-DSI-MSFL-AMS-SP	2850 - 3154m
	LDT-CNL-NGS-AMS	3081.5 - 3155m
	CSI (VSP)	0092.0 - 3155m
	MDT-GR	2090.5 - 3148m
	MDT-GR	3092 - 3148m
	MSCT-GR	3092 - 3103m
	CST-GR	3084 - 3149m

Cores

- **No Conventional cores were conducted.**
- **Sidewall cores (CST);**
21 CST were shot over the interval 3084 - 3149m with 3 were empty, 3 were misfire and 15 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
8 MSCT were taken over the interval 3092 - 3103m with 2 cores recovered (25%).

Testing

- **Repeat Formation Tests (MDT);**
14 MDT pre-tests measurements attempted over the interval 2090.5 - 3148m with 11 were good tests, 2 were tight and 1 seal failure.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Dry Hole.

34.

Naga-1

General

- Concession : Zone of Cooperation, Area A, Block 91-11, Timor Sea
- Operator : Marathon Petroleum Timor Gap West, Ltd
- Contractor/Rig : Atwood Oceanics/Atwood Oceanics "Falcon" (semisub)
- Well type : Exploration
- Location : Latitude 10° 38' 24.242" South
Longitude 126° 52' 17.810" East
Graticular Block 302-C4
- Water Depth : 74.4 metres
- Elevation (RKB-MISLW) : 22.5 metres
- Total Depth : 3137 metres (Formation target : Plover Fm & Flamingo Gp)
- Duration : 28th Feb 1993 (Spudded) – 5th Apr 1993 (Rig Released)
- Well Status : Permanently plugged & abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Sea Bed/Barracouta	96.9	74.4	249.1
Calcarenite & dolomit	Oliver	346	323.5	549
Calcarenite, calci., & clst	Hibernia	895	872.5	832
Calcilutite, clst and marl	Johnson	1727	1704.5	397

Claystone & calcilutite	Borde	2124	2101.5	59
Claystone, marl & calci.	Upper Wangarlu	2183	2160.5	188
Claystone & calcilutite	Lower Wangarlu	2371	2348.5	402
Claystone & calcilutite	Darwin Radiolaite	2773	2750.5	16
Claystone & calcilutite	Darwin Glauconitic	2789	2766.5	45.5
Claystone & siltstone	Flamingo Gp	2834.5	2812	11
Sandstone, slst & clst	Plover	2845.5	2823	291.5+

Logging

- Suite 1A	Temperature log-GR	297 - 100m
- Suite 1	DLL-AS-GR-SP-CAL-AMS (GR to sea floor) Checkshots (20 levels)	1100.5 - 313m 313 - 100m 1089 - 225m
- Suite 2	DLL-MSFL-AS-NGT-SP-CAL-AMS-LDL-CNL NGT (logged through casing) FMS/SHDT-GR VSP (C-SAT) (83 levels) CST	3132.3 - 1167.7m 1167.7 - 1070.0m 3136.5 - 1167.7m 3125 - 1069m 3134 - 1545m

Cores

- **Conventional cores;**
One conventional core was cut over the interval 2904 - 2918.5m, a total of 18.5m with 100% recovery.
- **Sidewall cores (CST);**
60 CST were shot over the interval 1545 - 3134m with 1 lost bullet, 4 were empty and 55 were recovered (91.7%).
- **No Mechanical Sidewall Cores (MSCT) were conducted.**

Testing

- **No Repeat Formation Tests (MDT) were conducted**
- **No Drill Stem Tests (DST) were conducted.**

Remarks : Residual HC column.

35. Sandang-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Appraisal
- Location : Latitude 10° 55' 32.948" South
Longitude 126° 30' 32.019" East
Graticular Block ????
- Water Depth : 87 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3300 metres (Formation target : Elang/Montara & Plover Fm)
- Duration : 14st Aug 1995 (Supdded) - 12th Sep 1995 (Rig Released)
- Well Status : Plugged and Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
-	Sea bed	109	87	-
Bioclastic calcarenite	Undifferentiated	372	350	263
	Oliver	882	860	510

No Returns	Prion Limestone	1212	1190	330
	Hibernia	1651	1629	439
	Grebe	1704	1682	53
	Johnson	2070	2048	366
Calcareous claystone	Borde	2183.5	2161.5	113.5
Calcareous claystone	Fenelon	2366	2344	182.5
Calcareous clst. & marl	Gibson	2506	2484	140
Marl, arg. calcilutite	Woolaston	2542.5	2520.5	36.5
Claystone	Jamieson	2926.5	2904.5	384
Siliceous claystone	Darwin	2965.5	2943.5	39
Claystone	Echuca Shoals	3018	2996	52.5
Silty claystone	Upper Flamingo	3252	3230	234
Glauconitic sandstone	Elang/Montara	3273	3251	21
Sandstone	Plover	3300	3278	27+

Logging

- Suite 1	SDT-DLL-GR-AMS-SP	2109 - 109m
	AMS-GPIT	2109 - 109m
	CSI-VSP	1650 - 109m
- Suite 2	SDT-DLL-CAL-GR-AMS-SP	2793 - 2103m
	AMS-VDL	2793 - 2103m
	CSI-VSP	2790 - 1652m
- Suite 3	GR-DLL-SDT-MSFL-AMS-SP	3302 - 2784m
	AMS	3302 - 2870m
	FMI-LDL-CNL-MLT-GR-AMS	3302 - 2784m
	FMI-CYBDIP	3302 - 2784m
	FMI (IMAGES)	3302 - 2784m
	MDT (PRETEST RECORD)	3294.6 - 3240m
	CSAT-VSP	2950.0 - 2730m

Cores

- No Conventional cores were conducted.
- No Sidewall cores (CST) were conducted.
- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- Repeat Formation Tests (MDT);
30 MDT pre-tests measurements attempted between the interval 3294.4 - 3235m with 7 were good tests, 11 were tight, 6 were lost seals, 5 were tool checks and 1 was aborted.
- No Drill Steam Tests (DST) were conducted.

Remarks : Residual HC Column.

36. Sikatan-1

General

- Concession : Zone of Cooperation, Area A, Block 91-08, Timor Sea
- Supervisor/Operator : Sagasco Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Exploration
- Location : Latitude 10° 15' 07.297" South
Longitude 127° 49' 32.801" East
Graticular Block ????
- Water Depth : 75.5 metres
- Elevation (RKB-

- MISLW) : 22 metres
- Total Depth : 3100 metres (Formation target : Plover Formation)
- Duration : 30th Okt 1994 (Spudded) – 16th Dec 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcarenite	Delambre Fm Equiv	97.5	75.5	527.5
Calcarenite	Un-named limestone	628	606	310
Calcarenite, calcilutite	Hibernia Fm	938	916	910
Marl interbed. claystone	Vee	1848	1825.9	230
Claystone	Wangarlu	2078	2055.6	697
Calcilutite, marl, clst	Radiolarite Unit	2775	2752	17
Claystone	Darwin Shale	2792	2769.2	3
Sandstone & claystone	Flamingo Group	2795	2772.2	91
Sst. interbed. Clst & slst	Upper Plover	2886	2863.2	164
Sst minor clst & slst	Lower Plover	3050	3027.2	50

Logging

- Suite 1 DLL-MSFL-GR-SP 1678 - 98m
CSAT n/a
- Suite 2 GR-DLL-MSFL-SLS-AMS 3100 - 1640m
FMS-LDL-CNL-NGS-AMS 3100 - 2764m
MSCT 3090 - 2808m
RFT 2797.0 - 3073.5m
CST 3077.9 - 2792.6m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
30 CST were shot over the interval 3077.9 - 2792.6m with 4 were empty and 26 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
9 MSCT were taken over the interval 3090 - 2808m with 4 were lost and 5 were recovered.

Testing

- **Repeat Formation Tests (MDT);**
13 MDT pre-tests measurements attempted between 2797 - 3051m with 10 were valid, which water recovery.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Dry Hole.

37. Sunset West-1

General

- Concession : Zone of Cooperation, Area A, Block 95-19, Timor Sea
- Supervisor/Operator : Woodside Petroleum (Timor Sea-19) Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Appraisal
- Location : Latitude 09° 38' 06.806" South
Longitude 127° 53' 57.840" East
Graticular Block ????
- Water Depth : 311 metres
- Elevation (RKB-

- MISLW) : 22 metres
- Total Depth : 2505 metres (Formation target: Plover Fm)
- Duration : 14th Apr 1998 (Spudded) – 22nd May 1998 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcsiltite & silty clst	Alaria/Barracouta	333	311	163.5
Calcarenite & calcsiltite	Oliver	496.5	474.5	511
Arg.calcsiltite & calcilutite, calc., arg. siltstone, calc. claystone, and clst	Cartier	1007.5	985.5	194.5
Argillaceous calcilutite	Prion	1202	1180	127.5
Arg. calcilutite & calcis.	Hibernia	1329.5	1307.5	142
Calcilutite	Johnson	1471.8	1449.8	83.3
Argillaceous calcilutite	Turnstone	1554.8	1532.8	84.2
Argillaceous calcilutite, calcilutite & calc. clst	Up. Wangarlu (undifferentiated)	1639	1617	166
Calcareeous clst, clst, dolomite & silty clst	Jamieson	1805	1783	322
Argillaceous calcilutite and minor claystone	Darwin	2127	2105	31.5
Claystone	Echuca Shoals	2158.5	2136.5	7.5
Claystone & siltstone	Laminaria	2166	2144	27.8
Sandstone, argillaceous siltstone and claystone	Plover	2193.8	2171.8	311.2

Logging

- Suite 1	DLL-MLL-XMAC-SP-SL-TTRM	1684 - 366m
	SWC-GR	1660 - 342m
- Suite 2	DLL-MLL-XMAC-SP-SL-TTRM	2504 - 1530m
	ZDL-CN-MRIL-GR-TTRM	2504 - 2100.0m
	ZDL-CN-GR-TTRM	2280 - 1678.5m
	RCI-GR	Aborted
	MLR-VSP	2500.0 - 790m
	FMT-GR	2195.5 - 2494m
	RCOR-GR	2441 - 2426m
	RCOR-GR	2263 - 2269m
	STTAR-GR	Aborted
	HEXDIP-CBIL-GR	2504.0 - 2260.0m
	RCI-GR	2195.5 - 2478.0m
	SWC-GR	2492.0 - 1793.7m

Cores

- Conventional cores;

Three conventional cores were cut in the Laminaria and Plover Formations. They were cut from 2187.0 to 2309.2m, a total of 122.2m with 83.3% recovery.

- Sidewall cores (CST);

100 CST were attempted in two runs. They were shot from 383.0 to 2492.0m with 75 were recovered, 3 were misfire, 14 were lost bullets, 8 were empty and 13 were less than 15 mm in length.

- Mechanical Sidewall Cores (MSCT);

11 MSCT were taken over two intervals (2441 - 2426m and 2263 - 2269m) with 6 cores recovered.

Testing

- **Repeat Formation Tests (MDT);**
31 MDT pre-tests measurements attempted between 2195.5 - 2494m with 18 were good tests, 5 were supercharged, 4 were tight, 1 was still building and 2 were not stable, and no samples were collected.
- **Drill Steam Tests (DST);**
2 DST were conducted over two intervals in the Plover Formation (from 2189 to 2331m), resulting in a combined flow rate of approximately 30.3 mmscf/d of gas and 63.2 bb/mmccf of CGR (condensate gas ratio).

Remarks : Commercial Gas/Condensate Well.

38. Sunset-1

General

- Concession : Zone of Cooperation, Area A, Block 95-19, Timor Sea
- Supervisor/Operator : Shell Development Australia Pty Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration
- Location : Latitude 09° 38' 36.369" South
Longitude 127° 58' 34.759" East
Graticular Block ????
- Water Depth : 238.5 metres
- Elevation (RKB-MISLW) : 25.0 metres
- Total Depth : 2420 metres (Formation target: Plover Fm)
- Duration : 22nd Sep 1997 (Spudded) – 6th Nov 1997 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Barracouta	264	239	250
	Oliver	523	498	494
No Returns	Cartier	1017	992	127
	Hibernia	1144	1119	299
	Johnson	1443	1418	78
	Vee	1521	1496	235
Claystone	Wangarlu	1756	1731	335
Argillaceous calcilutite	Darwin Radiolarite	2091	2066	31
Claystone	Echuca Shoals	2122	2097	8
Claystone	Elang	2130	2105	25
Interbedded sandstone, claystone & siltstone	Plover	2155	2130	265+

Logging

- Suite 1 GR/DLL/AS/CAL/SP 269.5 - 1759.5m
- Suite 2 PEX (HALS) 1768 - 2418.0m
- CMR/GR 2080 - 2407.0m
- MDT/GR 2157 - 2397.5m
- FMI/NGT 2070 - 2415m
- DSI 1618 - 2415m
- VSP 1000 - 2410m
- MSCT/GR 1790 - 2399m
- Suite 3 CET/CBL/VDL/GR/CCL 1511 - 2367m
- CPLT n/a - 2260m
- CPLT n/a - 2196.5m

Cores**- Conventional cores;**

Seven conventional cores were cut in the Darwin, Echuca Shoals, Elang and Plover Formations. They were cut from 2094.0 to 2249.0m, a total of 124.0m with 96.9% recovery.

- No Sidewall cores (CST) were conducted.**- Mechanical Sidewall Cores (MSCT);**

35 MSCT were taken over the interval 1790 - 2399m with 33 cores recovered (94.3%).

Testing**- Repeat Formation Tests (MDT);**

54 MDT pre-tests measurements attempted between 2157.03 - 2365.58m with 35 were good tests, 9 were dry tests, and 3 samples collected.

- Drill Stem Tests (DST);

2 DST were conducted over five intervals in the Plover Formation (from 2155 to 2241m), resulting in a combined flow rate of approximately 76.8 mmscf/d of gas. The gas composition was predominantly C₁.

Remarks : Commercial Gas/Condensate Well.

39. Squilla-1**General**

- Concession : Zone of Cooperation, Area A, Block 91-01, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)
- Well type : Exploration
- Location : Latitude 10° 46' 44.510" South
Longitude 126° 22' 19.960" East
Graticular Block ???
- Water Depth : 107.5 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3499 metres (Formation target : Flamingo Gp & Plover Fm)
- Duration : 27th Mar 1994 (Spudded) – 4th May 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcarenite	Undiff. Miocene	129.5	107.5	1182.5
Calcarenite & calcilutite w/ minor marl & sandst	Hibernia	1312	1290	859
Calcilutite, argillaceous calcilutite and marl	Johnson	2171	2149	250
Marl & calc. claystone	Upper Wangarlu	2421	1399	345
Claystone	Lower Wangarlu	2766	2766	269
	Upper Darwin	3035	3013	59
	Lower Darwin	3094	9072	43.5
Clst w/ siltstone interb.	Upper Flamingo	3137.5	3115.5	210.5
Sandstone w/claystone and minor siltstone	Montara	3348	3326	85

Sandstone w/minor claystone interbeds	Plover	3433	3411	66+
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Logging

- Suite 1	DLL-MSFL-SDT-GR-SP-CAL-AMS-GPIT	2119 - 125m
- Suite 2	LDL-CNL-FMS-GR	3501 - 2050m
	MDT-GR	3460 - 3351m
	VSP (CSAT)	3500 - 3420m
	MSCT-GR	3394 - 3352m
	VSP (CSAT)	3500 - 1200m
	CST-GR	3455 - 2170m

Cores

- Conventional cores;

Two conventional cores were cut in the Darwin, Montara and Plover Formation. They were cut from 2904 - 3374m, a total of 21m with 97.8% recovery.

- Sidewall cores (CST);

120 CST were shot over the interval 2170 - 3455m with 28 were lost and 92 were recovered.

- Mechanical Sidewall Cores (MSCT);

12 MSCT were taken over the interval 3352.5 - 3378m with 6 lost and 6 cores recovered.

Testing

- Repeat Formation Tests (MDT);

58 MDT pre-tests measurements attempted between 3351 - 3473m with 15 were successful.

- No Drill Steam Tests (DST) were conducted.

Remarks : Residual HC column.

40. Thornton-1

General

- Concession	: Zone of Cooperation, Area A, Block 91-02, Timor Sea
- Supervisor/Operator	: Shell Development Pty Ltd.
- Contractor/Rig	: Diamond Offshore/Ocean Epoch (semisub)
- Well type	: Exploration
- Location	: Latitude 11° 23' 01.710" South Longitude 126° 27' 41.790" East Graticular Block ????
- Water Depth	: 482.5 metres
- Elevation (RKB-MISLW)	: 22.0 metres
- Total Depth	: 3978 metres (Formation target: Elang & Plover Fm)
- Duration	: 27 th Feb 1997 (Spudded) – 17 th Apr 1997 (Rig Released)
- Well Status	: Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Undifferentiated	504.5	482.5	1506.5
Calclutite & arg. calclutite w/minor chert	Hibernia	2011	1979	367
Calclutite	Johnson	2378	2356	136

Calcilutite & arg. calcil.	Vee	2514	2492	323
Claystone w/minor calcareous claystone	Wangarlu	2837	2815	129
Claystone & calc. clst	Darwin	2966	2944	66
Claystone	Echuca Shoals	3032	3010	45
Claystone	Flamingo	3077	3055	111
Interbedded sandstone and claystone	Elang	3188	3166	76
	Plover	3264.5	3242	736+

Logging

- Suite 1	MAC-GR-DLL-MLL-ZDL-CNL-SL	3152 - 1935m
	Check Shot Survey	3125 - 775m
	STAR	3145 - 2500m
- Suite 2	MAC-GR-DLL-MLL-ZDL-CNL-SL	3996 - 3125m
	STAR	3995 - 3126m
	FMT	3962 - 3188m
	Rotary Sidewall Cores	3188 - 3385m
	VSP	3125 - 775m
	VSP	3990 - 2013m
	Percussion Sidewall Cores	3945 - 3148m
	Percussion Sidewall Cores	3977 - 3188m

Cores

- **No conventional cores were cut.**
- **Sidewall cores (CST);**
75 CST were attempted in two runs. Recovery was poor with 41 cores recovered, 15 lost bullets, 18 empty bullets and 1 misfire, over the interval 3935.7 - 3148m.
- **Mechanical Sidewall Cores (MSCT);**
6 MSCT were taken over the interval 3188 - 3385m with 100% recovery.

Testing

- **Repeat Formation Tests (MDT);**
30 MDT pre-tests measurements attempted between 3962 - 3188m with 22 good tests, 6 seal failures and 2 tight.
- **No Drill Steam Tests (DST) were conducted.**

Remarks : Residual HC Column.

41 Trulek-1 General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Exploration/Appraisal
- Location : Latitude 11° 06' 58.120" South
Longitude 126° 35' 50.810" East
Graticular Block ????
- Water Depth : 79 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3265 metres (Formation target: Elang & Plover Fm)
- Duration : 12th Nov 1996 (Spudded) – 30th Nov 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No Returns	Undiff. to Oliver	104	79	663.5
	Prion	797.5	742.5	260.5
	Hibernia	1028	1003	246
	Grebe	1274	1249	80
	Johnson	1354	1329	469
Calc. clst w/int. marls	Turnstone	1823	1798	169
Calc. clst grading to marl	Fenelon	1992	1967	270.5
marl grading to calc. clst	Gibson	2262.5	2237.5	102.5
Calcareous claystone	Woolaston	2365	2340	55
Claystone (clst)	Jamieson	2420	2395	410
	Darwin	2830	2805	80
Carbonaceous clst	Echuca Shoals	2910	2885	34.5
Silty clsts grading to argillaceous siltstone	Upper Flamingo	2944.5	2919.5	127.7
Interbedded sandstone, siltstone & claystone	Elang	3072.2	3047.2	90
	Plover	3162.2	3137.2	102.8+

Logging

- Suite 1	GR-AS-CAL-DLL-AMS-SP	1853.7 - 141m
	CHECKSHOT	920 - 300m
- Suite 2	PI-AS-CAL-GR-AMS	3265 - 1800m
	LDL-CNL-NGS	2700 - 1800m
	MRIL (NUMAR)	3194 - 3059m
	CSAT-VSP	3265 - 850m
	MDT-GR-AMS	3240 - 3073m
	MSCT-GR	3262 - 3137m
	FMI-GR	3252 - 2940m
	FMI-CYBDIP	3409 - 2769.0m
	CST-GR	3252 - 2940.1m

Cores

- Conventional cores;

Two conventional cores were cut in the Elang and Plover Formations. They were cut from 3048.0 to 3132.0m, a total of 84m with 99.9% recovery.

- Sidewall cores (CST);

23 CST were shot over the interval 3252 - 2940m with 2 were lost, 3 were empty and 18 were recovered.

- Mechanical Sidewall Cores (MSCT);

15 MSCT were taken over the interval 3137 - 3162m with 100% recovery.

Testing

- Repeat Formation Tests (MDT);

26 MDT pre-tests measurements attempted between the interval 3073.1 - 3340m with 14 were good tests and 12 were tight.

- No Drill Steam Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

42. Undan-1

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Deep Seas Drilling/Atwood Eagle (semisub)

- Well type : Exploration
- Location : Latitude 11° 02' 34.840" South
Longitude 126° 36' 16.490" East
Graticular Block ????
- Water Depth : 81 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3210 metres (Formation target: Elang & Plover Fm)
- Duration : 15th Jun 1995 (Spudded) – 13th Aug 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
Calcarenite, occ. Interb. Of dol., sst., & claysonet	Undiff. To Oliver	756	734	653
	Prion Limestone	1086	1064	330
No Returns	Hibernia	1326	1304	260
	Grebe	1413	1391	67
	Johnson	1875	1853	462
Calcareous clst., & marl	Borde	2077	2055	175
Calcareous clst., & marl	Fenelon	2276	2254	199
Calcareous clst., & marl	Gibson	2349	2327	73
Calcareous clst., & marl	Woolaston	2405	2383	56
Claystone	Wangarlu	2825	2803	420
Siliceous claystone	Darwin	2854	2832	29
Claystone	Echuca Shoals	2889	2867	35
Silty claystone	Upper Flamingo	2990.5	2968.5	101.5
Sandstone, slst., & clst.	Elang	3092.5	3070.5	102
Sandstone, slst., & clst.	Plover	3216.5	3194.5	124+

Logging

- Suite 1 DLL-SDT-GR-CAL-GPIT-SP-AMS 759 - 103m
AMS-GPIT 795 - 103m
CSI 700 - 200m
- Suite 2 DLL-SDT-CAL-AMS-SP 2551 - 1978m
AMS 2551 - 1978m
AS 1978 - 1800m
- Suite 3 DLL-SDT-MSFL-GR-SP-AMS 3214 - 2500m
FMI-LDL-CNL-GR-AMS 3216 - 2500m
FMI (IMAGES) 3216 - 2914m
VSP 3212 - 2640m
MIRL (NUMAR) 3210 - 2985m
MDT 3213 - 2500m
MSCT 3195 - 2989m
AMS-CST-WFT 3214 - 2914m

Cores

- **Conventional cores;**
Three conventional cores were cut in the Flamingo, Elang and Plover Formation. They were cut from 2996 - 3123m, a total of 124.2m with 97.9% recovery.
- **Sidewall cores (CST);**
60 CST were shot over the interval 3214 - 2914m with 1 was misfire, 2 were lost, 7 were empty and 50 were recovered.
- **Mechanical Sidewall Cores (MSCT);**
21 MSCT were taken over the interval 2989 - 3195m with 100% recovery.

Testing

- Repeat Formation Tests (MDT);

57 MDT pre-tests measurements attempted between 3200 - 2980m with 48 were good tests, 8 were tight/supercharged and 1 was lost seal.

- Drill Steam Tests (DST);

2 DST were conducted over two intervals in the Elang and Plover Formation (from 3016 to 3109m), resulting in a combined flow rate of approximately 4141 bbl/d of oil and 68.4 mscf/d of gas.

Remarks : Commercial Gas/Condensate Well.

43. Undan-2

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean General (semisub)
- Well type : Appraisal
- Location : Latitude 11° 04' 33.830" South
Longitude 126° 34' 20.140" East
Graticular Block ????
- Water Depth : 87 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3407 metres (Formation target: Elang & Plover Fm)
- Duration : 17th Okt 1995 (Spudded) – 23rd Nov 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No returns	Undiff. to Oliver	109	87	641
Calcarenite w/occasional interbeds of claystone	Prion Limestone	750	728	300
	Hibernia	1050	1028	223
Dol. sst with calca., clst.	Grebe	1273	1251	86
Calclutite & marl	Johnson	1359	1337	483
Claystone	Turnstone	1842	1820	186
	Fenelon	2028	2006	246
	Gibson	2274	2252	82
	Woolaston	2356	2334	44
	Jamieson	2400	2378	420
	Darwin	2820	2798	37
Carbonaceous Siltyst & clst	Echuca Shoals	2857	2835	41
1	2	3	4	5
Carbonaceous Siltyst & clst	Upper Flamingo	2898	2876	127
Agr. sandst. & siltstone	Elang	3025	3003	108
Sandstone & siltstone	Plover	3133	3111	276+

Logging

- Suite 1 DLL-MSFL-SDT-GR-AMS-SP 1424 - 82m
AMS-GR 1424 - 82m
CSAT (CHECKSHOT) 1418 - 110m
- Suite 2 DLL-MSFL-SDT-GR-AMS-SP 3409 - 2769m
CSAT-VSP 3409 - 2560m

FMI-LDL-CNL-MLT-SGR-AMS	3409 - 2769m
FMI (IMAGES)	3409 - 2769m
FMI-CYBDIP	3409 - 2769m
MDT (PRETEST)	3380 - 2998m
MDT (PRETEST)	3380 - 2998m
MSCT	3368 - 2807m
AMS-GPIT-CST	3409 - 2769m

Cores

- Conventional cores;

Five conventional cores were cut in the Elang and Plover Formations. They were cut from 3030 to 3164.5m, a total of 130.01m with 96.8% recovery.

- Sidewall cores (CST);

30 CST were shot over the interval 3407.1 - 2813m with 3 were lost, 3 were empty and 24 were recovered.

- Mechanical Sidewall Cores (MSCT);

23 MSCT were taken over the interval 3368 - 2807m with 4 were missing and 19 were recovered.

Testing

- Repeat Formation Tests (MDT);

48 MDT pre-tests measurements attempted between the interval 3026.2 - 3380m with 30 were good tests, 13 were tight, 3 were supercharged and 2 were lost seals.

- Drill Steam Tests (DST);

1 DST was undertaken, resulting in a flow 2062 bbl/d of oil (API of oil is n/a) and 35.5 mmscf/d of gas over the interval 3101 - 3122m.

Remarks : Commercial Gas/Condensate Well.

44. Undan-3

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Bounty (semisub)
- Well type : Appraisal
- Location : Latitude 11° 04' 03.700" South
Longitude 126° 38' 45.600" East
Graticular Block ????
- Water Depth : 78.5 metres
- Elevation (RKB-MISLW) : 25 metres
- Total Depth : 3235 metres (Formation target: Elang & Plover Fm)
- Duration : 26th Nov 1995 (Spudded) – 25th Dec 1995 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Undiff. to Oliver	103.5	78.5	696.5
Fossiliferous calcarenite w/occa. sandst interbs.	Prion Limestone	800	775	285
	Hibernia	1085	1060	210
Calcarenite sandstone	Grebe	1295	1270	85
Argillaceous calcilutite	Johnson	1380	1355	502
Marl grading to calcareous claystone	Turnstone	1882	1857	164
	Fenelon	2046	2021	217
	Gibson	2263	2238	76
	Woolaston	2339	2314	41
Claystone	Jamieson	2380	2355	480
	Darwin	2810	2785	79
	Echuca Shoals	2889	2864	20
Foss. calcarenite w/occ. thin sandst interbeds	Upper Flamingo	2909	2884	85.5
Interbeds sandstone, siltstone & claystone	Elang	2994.5	2969.5	94.5
	Plover	3089	3064	145

Logging

- Suite 1	DLL-MSFL-SDT-GR-AMS-SP	1438 - 98m
	GPIT-AMS	1438 - 98m
	CSAT (CHECKSHOT)	1430 - 130m
- Suite 2	DLL-SDT-GR-AMS-SP	2750 - 1429m
	AMS	2750 - 1429m
	CSAT-VSP-CHECKSHOT	2727 - 1280m
- Suite 3	DLL-MSFL-SDT-GR-AMS-SP	3239 - 2793.5m
	FMI-LDL-CNL-SGR-AMS	3239 - 2793.5m
	FMI (IMAGES)	3239 - 2793.5m
	CSAT-VSP	3235 - 2280.0m
	MDT-GR-AMS (PRETEST)	3211.5 - 2996.22m
	MDT-GR-AMS (SAMPLING)	3211.5 - 2996.22m
	MSCT-GR	3213 - 2996.5m
	AMS-GPIT-CST	3239 - 2793.5m

Cores

- Conventional cores;

Five conventional cores were cut in the Elang and Plover Formations. They were cut from 3000.25 to 3139.0m, a total of 130.01m with 97.2% recovery.

- Sidewall cores (CST);

30 CST were shot over the interval 3207.5 - 2805m with 2 were misfire, 4 were lost, 4 were empty and 20 were recovered.

- Mechanical Sidewall Cores (MSCT);

20 MSCT were taken over the interval 2858 - 3216m with 1 was lost, 3 were empty and 16 were recovered.

Testing

- Repeat Formation Tests (MDT);

44 MDT pre-tests measurements attempted between the interval 2996.2 - 3211.5m with 26 were good tests, 14 were tight, 2 were supercharged and 2 were unstable.

- No Drill Stem Tests (DST) were conducted.

Remarks : Commercial Gas/Condensate Well.

45. Undan-4

General

- Concession : Zone of Cooperation, Area A, Block 91-12, Timor Sea
- Supervisor/Operator : BHP Petroleum Pty. Ltd.
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Appraisal
- Location : Latitude 11° 02' 44.470" South
Longitude 126° 32' 55.230" East
Graticular Block ????
- Water Depth : 91.0 metres
- Elevation (RKB-MISLW) : 22.0 metres
- Total Depth : 3290 metres (Formation target: Flamingo Gp & Elang Fm)
- Duration : 5th May 1996 (Spudded) – 8th Jun 1996 (Rig Released)
- Well Status : Suspended.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
1	2	3	4	5
No returns	Undiff. to Oliver	113.5	91.5	685.5
1	2	3	4	5
No returns	Prion	799	777	311
	Hibernia	?1110	?1088	250
	Grebe	1360	1338	81
Arg. calcisiltite grading to arg. calcareous clst.	Johnson	1441	1419	450.5
Marl grading to calcareous claystone	Turnstone	1891.5	1869.5	216
	Fenelon	2107.5	2085.5	203.5
	Gibson	2311	2289	69
	Woolaston	2381	2358	51.5
Claystone	Jamieson	2431.5	2409.5	369.7
	Darwin	2801.2	2779.2	74.8
	Echuca Shoals	2876	2854	48
Silty claystones grading to argillaceous siltstone	Upper Flamingo	2924	2902	85.5
Interbeds sandstone, siltstone & claystone	Elang	3101.5	3078.5	106.5
	Plover	3205	3183	83+

Logging

- Suite 1	SDT-DLL-CAL-GR-AMS-SP	1507.5 - 148.1m
	AMS	1507.5 - 148.1m
	CSAT (CHECKSHOT)	844.6 - 335.6m
- Suite 2	DLL-SDT-GR-AMS-SP	2778.5 - 1497m
	AMS	2778.5 - 1497m
	CSAT-VSP-CHECKSHOT	2769 - 800m
- Suite 3	DLL-MSFL-SDT-GR-AMS-SP	3293 - 2794m
	MSCT-GR	3205 - 3092m
	LDL-CNL-GR-AMS	3293 - 2794m
	FMI-MSD	3293 - 2794m
	FMI-GR-AMS	3293 - 2794m
	MDT-GR-AMS (PRETEST)	3270 - 3085m
	MDT-GR-AMS-SAMPLING	3135.0 - 3102.8m
	NUMAR	3219.5 - 3085.0m
	CSAT-VSP	3281 - 2730m
	AMS-GPIT-CST	3293 - 2794m

Cores

- Conventional cores;

Three conventional cores were cut in the Flamingo and Elang Formations. They were cut from 3091 to 3145.5m, a total of 35.5m with 93.6% recovery.

- Sidewall cores (CST);

42 CST were shot over the interval 3285 - 2825m with 7 were misfire, 1 was lost, 4 were empty and 30 were recovered.

- Mechanical Sidewall Cores (MSCT);

54 MSCT were taken over the interval 3100.6 - 3205m with 8 were not bought and 46 were bought.

Testing

- Repeat Formation Tests (MDT);

33 MDT pre-tests measurements attempted between the interval 3270 - 3085m with 15 were good tests, 7 were tight, 9 were supercharged and 2 were no seal.

- Drill Steam Tests (DST);

3 DST were conducted over three intervals in the Elang and Plover Formation (from 3100 to 3170m), resulting in a combined flow rate of approximately 542 bbl/d of oil and 11.67 mscf/d of gas.

Remarks : Commercial Gas/Condensate Well.

46. Wallaroo-1/ST1

General

- Concession : Zone of Cooperation, Area A, Block 91-14, Timor Sea
- Supervisor/Operator : Enterprise Oil Exploration Timor Gap (14) Limited
- Contractor/Rig : Diamond Offshore/Ocean Epoch (semisub)
- Well type : Exploration
- Location : Latitude 10° 50' 56.400" South
Longitude 127° 29' 05.900" East
Graticular Block ???
- Water Depth : 75 metres
- Elevation (RKB-MISLW) : 22 metres
- Total Depth : 3084 metres (Formation target : Plover Fm)
- Duration : 5th Mar 1994 (Spudded) – 13th Apr 1994 (Rig Released)
- Well Status : Plugged & Abandoned.

Lithology (Formation Tops)

Lithology	Formation Tops	mRT (m)	mSS (m)	Thickness (m)
No returns	Barracouta	97	75	110
Bioclastic calcarenite	Oliver	207	185	506.5
Calcarenite	Hibernia	713.5	691.5	529.5
Sandstone, calcarenite	Grebe Member	1243	1221	109
Calculutite, calcarenite	Johnson	1352	1330	450
Marl interbeds arg calcil.	Vee	1802	1780	333
Claystone	Wangarlu	2135	2113	790
Arg calcil. & calcar. clst	Radiolirite Member	2925	2903	27.5
Claystone	Darwin Shale	2952.5	2930.5	14.5
Clatstone	Flamingo	2967	2945	7.5
Sandstone & claystone	Plover	2974.5	2952.5	116.5

Logging

Wallaroo-1

- Suite 1 DLL-AS-MSFL-CALS-GR-SP 1598 - 545m
(GR to surface)
- Suite 2 DLL-BHC-MSFL-CALS-GR-SP 2102 - 1581m

Wallaroo-ST1

- Suite 3 DLL-AS-MSFL-CALS-GR-SP 3086.5 - 2931m
(AS-GR 1995 to 2190m)
- LDL-CNL-SGR-CALI 3090 - 2931.0m
- RFT-HP-GR 3070 - 2980.5m
- VSP AND Check Shots 3080 - 725m
- CST-GR 3084 - 2950m
- CST-GR 3064 - 2950m

Cores

- Conventional cores;

One conventional core was cut from a depth of 2968 - 2999m, a total of 31m with 91.1% recovery.

- Sidewall cores (CST);

42 CST were attempted in two runs. They were shot from 2950 to 3084m with 23 were misfire, 1 was lost, 2 were empty and 16 were recovered.

- No Mechanical Sidewall Cores (MSCT) were conducted.

Testing

- Repeat Formation Tests (MDT)

17 MDT pre-tests measurements attempted between the interval 2980.5 - 3070m with 16 were valid and 1 was supercharged.

- No Drill Steam Tests (DST) were conducted.

Remarks : No Shows.