GLOBEX FAR EAST

T/27P

BARRAMUNDI-1

PROPOSAL TO DRILL AND DRILLING PROGRAMME

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for GLOBEX Far East

CONTENTS

TABLES

FIGURES

APPENDICES

ENCLOSURES

1. SUMMARY

T/27-P is located in Bass Strait (**Fig. 1**).

Globex Far East is the Operator of the permit.

Interests in T/27-P are as follows:

Globex Far East	80.00% (Operator)
Seven Seas Petroleum Australia	20.00%

The permit covers an area of approximately 1,800,000 acres.

The mandatory work programme are set out below:

TABLE 1
T/27-P WORK PROGRAMME

Permit Year	Work Obligation	Actual Work	Notes
1 Effective date 15 September 1994 to 15/9/1995	data review, seismic reprocessing, mapping and interpretation	satisfied	
2 to 15/9/1996	a) Seismic Survey (1000 km) b) 100 sq km 3-D seismic survey.	a) satisfied	4 Sep 1996 2nd year 100 sq km seismic survey obligation moved to the 3rd year.
3 to 15/9/1997	Two Exploration Wells		15 Jly 1997 completion of 3rd year obligations extended by six months to 14 March 1998 and Term extended to 15 March 2001
4 to 15/9/1998	Review of data, seismic processing, mapping and interpretation		13 Jly 1998 completion of 3rd year obligations extended by twelve months to 14 March 1999 and Term extended to 15 March 2002
5 to 15/9/1999	100 sq km seismic survey		
6 to 9/2/2000	one well		

Barramundi 1 will test the hydrocarbon potential of the Eastern View Group, 38-83 Ma, from 1,332 m RT to TD at 3027.4 m RT.

The anticipated reserve size is 368 Mmbbl as calculated by Exploration Partners for GLOBEX.

The Barramundi 1 well will be drilled out of the 340 mm ($13^3/_8$") casing shoe set at approximately 865m RT with a 311 mm (12¼") bit. Drilling will be controlled from just above the Eastern View Group at 1,280 m RT. to approximately 1,340 m RT. The reservoir will either be drilled ahead or cored depending on hydrocarbon/reservoir indications.

The well will be drilled to a TD of approximately 3027.4 m RT and then logged. While drilling ahead, all sandstones of Eastern View Group will be carefully analysed for hydrocarbon presence.

The Barramundi-1 well progress, drilling time/depth plot is shown in Figure 7.

2. WELL DATA: PROPOSED BARRAMUNDI 1

2.1 WELL SUMMARY SHEET

Well Name	:	Barramundi 1
Designation	:	Exploration
Permit	:	T/27P
Basin	:	Bass
Operator	:	GLOBEX Far East
Permittees	:	GLOBEX Far East 80 % Seven Seas Petroleun Australia 20 %
Location (provisional)	:	Latitude .....39.66167 deg South Longitude .....145.73413 deg East Easting .....X = 391,412 Northing .....Y = 5,609,012 AMG Zone .....55 South
Seismic Reference	:	Line BB96-50 SP 1940
Water Depth	:	70 m
Elevations	:	Rotary Table ("RT") to Mean Sea Level ("MSL") - 27.4 m
Spud Date	:	January, 1999
Estimated Drilling Time	:	26 days (dry hole)
Drilling Contractor	:	Schlumberger - Sedco Forex
Rig	:	*"Sedco 702"*
Rig Type	:	Semi-submersible
Primary Objective	:	Eastern View Group Sandstone
Depth to Primary Objective	:	1527.4 m RT (1,500 m subsea ("SS"))
Estimated Total Depth ("TD")	:	3027.4 m RT (3000 m SS)

3. GEOLOGY

3.1 GEOLOGICAL PROGNOSIS OF THE AREA

The location of the Bass Basin, wells and tenements and the location of the Barramundi feature is shown in Figure 1. The Bass Basin is located directly north of Tasmania and south of Victoria. The basin was formed as a result of rifting between Australia and Antarctica (95-80 MA). Subsequent compression in the Oligocene-Miocene (38-12.5 MA) led to modification of pre existing traps and formation of new ones. The structural history of the Basin has been described by Etheridge et al (1984, 1985 and 1987) and more recently using aeromagnetic data by Gunn et al (1996a, b and 1997) Figure 2 shows the generalised tectonic elements of Bass Strait.

The two major depocentres are the Pelican Trough and the Cormorant Trough (Fig 2). The Pelican Trough appears to be producing predominantly gas while the Cormorant Trough produced gas saturated oil and wet gas. Yolla-1 located to the south of the Cormorant Trough as well as Cormorant-1 and King-1, located on a structural inversion near the centre of the Trough, all recovered oil and gas from sands near the top of the Eastern View Group. Deeper reservoir of wet gas were located in Yolla-1 from 2,800 m -2850 in a number of sands. Cormorant-1 encountered good hydrocarbon shows from four intervals in the range 2000 m to 2,500 m RT. King-1 well located about 2 km from Cormorant-1 was only drilled to 2223 m RT and did not encounter similar shows to Cormorant-1 . The recently completed White Ibis-1 well located on the western flank of the trough produced gas from four intervals from 2001,5 to 2140 m.). The Barramundi structure is located on the north eastern flank of the Cormorant Trough.

3.1.1 Geochemistry

Geochemical work on hydrocarbons from Cormorant-1 (Oterdoom 1981) concludes *that the Eastern View Coal Measures contain excellent source rocks for gas. However* ***a considerable oil potential exists from 1,800 m.*** *and even at 3,000 m.(TD) the Eastern View Coal Measures were not post mature.*

Summons (1996) studying oils from Yolla-1 and Cormorant-1 with state-of -the-art-techniques concluded that:

1) Hydrocarbons from both wells had a common source.

2) The Bass Basin oils have a geochemical signature consistent with a predominant input from vascular plants. The plant biomarkers for the Gippsland and Bass Basins are very similar as can be seen in comparisons with Tuna-1 and Snapper-4 and -5 oils.

3) It is likely that the Bass Basin oils have their **source in the Paleocene and Eocene section** (upper L. balmei to middle N. asperus)of the Eastern view Coal Measures. These rocks have a high potential to generate petroleum. AGSO's work on coal-sourced oils (eg Boreham and Powell. 1994) from the Cooper, Eromanga and Bowen basins shows petroleum can be produced from coal as well as carbonaceous sediments.

3.1.2 Stratigraphy

The pre-Eocene (Upper L. balmei) stratigraphy of the Basin has been described by

Williamson et al 1985. The overall stratigraphy is as shown in Figure 3. It was provided by Palynologist and Explorationist Alan Partridge and embodies the most recent data available. The predicted stratigraphy with predicted depths in Barramundi-1 are shown on the well schematic, Figure 4 and listed below:

TABLE 2
BARRAMUNDI 1 PROGNOSED FORMATION TOPS

Formation	Age (Ma)	Depth Time	Depth (m RT) RT = 27.40 m	Depth (m SS)	Thickness (m)
Undiff. Pliocene and Torquay Group	35-Recent		97.4	-70.0	1220.0
Top Volcanoclastics	~ 25	0.75 sec	911.4	-884	
base prominent limestones	~ 29	0.91 sec	1002.4	-975	
Addiscott Sandstone:	36-35	1.07 sec	1,127.4	- 1,100	5
Demons Bluff Formation	40-36.5	1.07 sec	1,132.4	-1,105	205
Eastern View Group	85-39	1.23 sec	1,337.4	- 1,310	
Konkon Formation	40 - 39	1.23 sec	1,337.4	- 1,310	190
Anomaly Horizon	41 - 40	1.335 sec	1,527.4	-1,500	?150
Easter View Coal Measures	85 - 41		1,677.4	- 1,650	? 1,350+
Total Depth			3027.4	-3000	

3.1.2.1 Torquay Group.

This group can be subdivided into several formations as shown on Figure 3. Following the unnamed soft unconsolidated Pliocene and middle to late Miocene mud and calcareous silt sequence is the **Puebla Formation**, which consists predominantly of soft bioclastic limestones and clayey marls. Below this is the **Jan Juk Marl** that is predominantly marls and calcareous mudstones with scattered thin (~2-4 m.) high velocity limestone streaks. The underlying **Angahook Formation** is much the same as the Jan Juk Marl and is unlikely to be recognised in the well from cuttings. Below the Jan Juk Marl/Angahook Formation is a thin (5 m.) glauconitic marine sandstone the **Addiscot Formation**. This important basin wide and rather anomalous sand is readily recognisable in Cormorant-1 and King-1 where it produces a distinct gamma ray low typical of a sandstone. It is recognisable in almost every well in the basin except Yolla-1 where it is far harder to recognise, possibly because of erosion or non deposition from on Yolla high. Thickness of the Torquay Group varies from about 450 m. at the margins of the basin to over 1,000 m. in the Cormorant-1.- King-1 area. It is prognosed to be about 1,300 M. at Barramundi-1. Igneous rocks are common throughout the Basin in this sequence and occur in two stratigraphic positions, (1) in the mid Miocene and (2) near the Oligocene-Miocene boundary. They occur most commonly as tuffaceous extrusives which can be mapped over considerable distances with confidence on the seismic but can be difficult to recognise in the cuttings. The top of this interval is expected to be at about 875 m SS. They are almost inevitably soft and clayey but can be recognised in the cuttings by fine sand sized dark brown-grey and black minerals. Alternatively the igneous rocks are intrusives. These are difficult to identify with confidence on the seismic as they may appear as a prominent short strong black, or

quite weak and almost insignificant. While the intrusives may be hard and slow drilling, in most cases they are highly altered and breakup readily when intersected in drilling. They may be recognisable in the cuttings as chips of igneous rock rather than the grains which characterise the tuffs and volcanoclastics. No interval of probable intrusives in the Torquay Group, at the proposed well location, has been recognised.

3.1.2.2 Demons Bluff.

This formation immediately underlies the thin but prominent and consistent Addiscot Sandstone. The Demons Bluff is a sequence of fine grained distal pro delta marine mudstone and siltstone highly organic and extensively burrowed. It was probably deposited in water depths of 100 m. or so. It forms the seal for hydrocarbons of the Eastern View Group and its lateral equivalent in the Gippsland Basin , the Lakes Entrance Formation provides the seal to the major Oil and Gas fields of that basin. The Lakes Entrance Formation was however deposited as a marine ooze in deeper distinctly marine conditions. The thickness is 178 m. in Cormorant-1, 196 m. in King-1 and 145 m. in Yolla-1. From these figures plus the regional thickness variation suggested from the seismic the thickness will probably be about 150 m. in Barramundi-1.

3.1.2.3 Eastern View Group.

3.1.2.3.1 Konkon Sandstone/Boonah Sandstone.

At the top of the Eastern View Group is an upper and lower shoreface - beach sand, well developed in Konkon -1 and regarded as an offshore equivalent of the onshore Boonah Sandstone. It is commonly referred to as the Konkon Sandstone offshore. It is commonly glauconitic at the top but grades downwards to clean quartz sandstone with excellent reservoir characteristics There may be several sands with intervening shales which are non carbonaceous. The Konkon /Boonah sand interval contains the oil of Yolla-1, Cormorant-1 and residual column of King-1. The unit is rather loosely and ambiguously defined but does not include the coal seams or carbonaceous siltstones of the underlying Eastern View Coal Measures. Thickness is variable but rarely exceeds 100 m. Environmentally it constitutes beach, upper and lower shoreface environments seaward of the terrestrial coaly sequence of the Eastern View Coal Measures. The Demons Bluff is the pro delta sequence seaward of the Konkon Sandstone.

3.1.2.3.2 Eastern View Coal Measures.

This sequence consists of sandstones, shales, siltstones, commonly carbonaceous and coals. These were deposited in fluvial, deltaic and lacustrine environments with minor local marine incursions. As progradation was into an essentially land locked basin the marine incursions were rare and short lived. However there was sufficient fetch within the basin to develop beaches and winnow the detritus to form clean beaches.

This group is thickest in the centre of the Pelican and Cormorant Troughs (Fig 2). The greatest thickness penetrated is 2,500 m in Pelican 5 but even there the Otway Group was not reached and the section was condensed as compared to other wells in the basin. Maximum thickness is probably in the order of 5,000 m. While the primary target is near the top of this Group at the Anomaly Horizon, adjacent wells Cormorant-1 and Yolla-1 intersected wet gas in several deeper intervals. Each was beneath continuous shale sections of 15-25 m. Several such potential seals were present in both of these wells. Similar potential seals will almost certainly be present in Barramundi-1 and each

will have the potential to retain significant hydrocarbon columns.

Cormorant-1 at 3,000 m. was in basal M. diversus rocks and Yolla-1 at TD was in Upper L balmei rocks (Fig 3). There is no possibility of Barramundi-1 drilling rocks older than earliest L. balmei, such as the Late Cretaceous/early Paleocene "Lower" Eastern View Group, sometimes informally referred to as the Furneaux Group, or the even older Lower Cretaceous Otway Group. Consequently there will be no discussion of these section as it has no bearing on Barramundi-1.

3.1.3 Regional variation as evident from seismic

Enclosure 1 is a composite of four seismic lines from Cormorant-1 eastwards to the Barramundi -1 location then south to Yolla-1. The interpreted horizons are :

Blue	Top of volcanics.
Brown	Base prominent seismic reflector believed to be carbonate.
Yellow	Addiscott Sandstone/Top Demons Bluff.
Green	Top Eastern View Group.
Red	Amplitude Anomaly Horizon (over Barramundi only).
Pink	"Middle Eastern View" - about base P. asperopolus/top M. diversus age.
Orange	"Deep Eastern View Group". Not shown on all sections.

The top volcanics horizon (blue) is notably rough as it traces around and between various volcanic centres. The brown horizon is easily mapped as it is both prominent and persistent and exhibits none of the roughness of the blue horizon. The interval blue to brown though very variable thins toward the Cormorant high and the Yolla area.

The reflector at the top of the Demons Bluff (yellow) is almost certainly created by the contrast caused by the basin wide Addiscott Sandstone. The Demons Bluff-(yellow) - G horizon (brown) thins from the Cormorant High to Barramundi but is relatively constant to beyond Yolla, except on the Yolla high where it is noticeably thinner.

The Eastern View Group (green) to Addiscott/top Demons Bluff (yellow) has it's greatest time thickness on the Cormorant High, thins a little to Barramundi then continues to thin to the end of line BB96-50 after which it is relatively constant to Yolla-1.

Within the Eastern View there is just one reflector shown, the base P. asperopolus/top M. diversus. The section thins noticeably from Barramundi to the eastern end of line BB96-50 but thickens a little to just prior to Yolla-1 where it thins markedly onto the Yolla High.

3.1.4 Structure

The generalised tectonics are shown in Figure 1. Enclosure 2 shows the time structure at the top of the Eastern View Group over the Barramundi structure. Enclosure 3 shows the depth structure at the Amplitude Animality Horizon over the same structure. These Enclosures show the complex fault closure and it's various compartments. No maps were made of horizons below the Anomaly Horizon following the BB96 seismic survey and reprocessing of older lines despite their greater resolution at depth of the new and reprocessed lines.

3.2 OBJECTIVES OF THE WELL

To test a large fault bounded structure north of Yolla-1 and east of Cormorant-1 and King-1.

Enclosure 4 of seismic line BB96-50 is a seismic line through the wellsite, Enclosure 5 is of line BB96-8 a dip line 250m south east of the proposed well site and Enclosure 6 is of seismic line BB96-9, a strike line 500 m. north east of the well site.

The primary target is the Anomaly Horizon at about 1,400 m. SS. This is anticipated to be a clean sand with excellent reservoir characteristics and holding oil, probably gas saturated, possibly with a minor gas cap.

The secondary targets will be below the primary target and be beneath any of the thicker shale intervals of 15 m. or more. Several such traps are anticipated between 1,700 m. and TD. Gas and condensate, or light oil, reservoirs were intersected in this interval in Yolla-1 (2,800+), Cormorant-1 (2000 to 2450 m.) and the recent White Ibis-1 well (2000 to 2140 m.).

3.2.1 Estimated hydrocarbons-in-place.

The estimated hydrocarbons-in-place for the anomaly horizon were produced by Exploration Consultants, Dallas in April 1997 for Globex Far East and are quoted below. Figure 5 (Isochron) and Figure 6 (Time Structure) show the Barramundi structure at the Anomaly Horizon and the six interpreted trap compartments of the structure. These are defined by the limits of the identified anomaly and are shown on Enclosure 7. Note that all measurements are in imperial units.

Barramundi Prospect Reserve Estimate.

Area under closure:	14,300 acres
Structural relief:	300 feet
Pay Thickness:	100 feet
Avg. Porosity:	128%
Recovery Factor:	250 bbls/ac-ft

14,300 ac. X 100 ft X 250 bbls/ac-ft = 368 million bbls

No maps were made of any horizons below the Anomaly Horizon so no estimates of reserves below the Anomaly Horizon were made.

3.3 REFERENCES

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4. DRILLING PROGRAMME

4.1 REFERENCE MANUALS

- GLOBEX /Sedco - Emergency Response Manual
- GLOBEX Oil Spill Contingency Manual
- Sedco - Safety Manual
- Sedco - Well Control Manual
- Sedco- Well Operations Procedures Manual
- Petroleum Submerged Lands Act ("PSLA") - Schedule, Specific Requirements as to Offshore Petroleum Exploration and Production -1997
- GLOBEX Bridging Document

Reference Wells

- Cormorant-1 is located 20 km to the west of Barramundi-1 and Yolla-1 located 30 km to the south of it.

Refer **Section 9** (and **Table 11**) for offset well data/correlation.

4.2 POSSIBLE DRILLING HAZARDS

4.2.1 Mooring

Water depth is approximately 70 m.

A site survey will be conducted prior to drilling. Currents are expected to be less than 2 knots. Rig heading will be contingent on the weather pattern for the period from the actual date of arrival on location.

4.2.2 Shallow Gas

No shallow gas has been reported in offset wells and is not anticipated on this location. A shallow seismic survey will be conducted during the Site Survey prior to drilling.

4.2.3 Lost Circulation

Lost circulation is not anticipated based on offset well data. However sufficient quantities of LCM will be kept on board the rig as a contingency.

4.2.4 Abnormal Pressure

Pore pressures are expected to exhibit a normal gradient.

Actual mud weight required will be dictated by hole conditions and drilling pressure indicators.

4.2.5 Hole Deviation

Offset well data indicates that excessive hole deviation is unlikely. Adequate tools will be on hand to enable corrective assemblies to be run to control angle build-up should it be necessary.

4.2.6 Differential Sticking

Hydrostatic overbalance through the lower sandstone sections may increase the possibility of differential sticking. Mud weight should be kept as low as possible. Wiper trips will be made more frequently through hole sections with long sandstone sections.

4.2.7 Dangerous Gases

No dangerous gases, including hydrogen sulphide and carbon dioxide, have been encountered in offset wells, however continuous monitoring will be performed through the mud logging systems and corrosion coupons in the drill string to detect any H_2S or CO_2 levels in the mud.

4.3 HOLE AND CASING SIZES/DEPTHS

Refer **Tables 4, 5** and **6** for specific drilling details in regard to pressure testing, cementing and drilling fluids.

4.3.1 Structural Pipe

A 914 mm (36") hole will be drilled to ± 145 m RT for setting of 762 mm (30") structural pipe. The actual depth will be determined by pipe measurements.

4.3.2 Conductor Pipe

508 mm (20") conductor pipe will not be run.

4.3.3 Surface

445 mm (17½") surface hole will be drilled to +/- 875 m RT for setting of 340 mm ($13^3/_8$") surface casing - approximately 35m above the interpreted volcanoclastics sesmic horizon.

4.3.4 Production

311 mm (12¼") hole will be drilled to TD at 3027.4 m RT. 244 mm ($9^5/_8$") casing will be run if required for production testing.

4.4 CASING DESIGN

TABLE 3
WELL CASING DESIGN

					Design Loads				
Hole Size mm (ins)	**Casing Size mm (ins)**	**Setting Depth m RT**	**Joint**	**Specifications**	**Est BHP kpa (psi)**	**Burst kpa (psi)**	**Collapse kpa (psi)**	**Tension dkn (lbs)**	**Safety Factor**
914 (36)	762 (30)	142	Housing Cross-over Jt Intermediate Shoe Joint	Dril-Quip 30" Type SS-10 with 1.5" wall extension with 30" HD 90 Box Down 30" x 1" wall, Grade X52, Dril-Quip HD90 pin x SF-60 Box. 30" x 1" wall, Grade X52, Dril-Quip SF-60 pin x Box 30" x 1" wall, Grade X52, Dril-Quip SF-60 pin Up x 20" Float Shoe B = 3090 psi. C = 19501 psi. T = 1068650	na	na	na	na	na
445 (17½)	340 ($13^3/_8$)	865	Housing Cross-over All pipe	Dril-Quip 18¾" Type SS-10 with 0.625" wall extension with 20" HD 90 Box Down. HD 90 Pin x 340mm (13 3/8") 68 ppf, L80, BTC Pin 68 lb/ft, K55, BTC, Range 3	1290	1682	842	406850	2.93 2.32 2.36
311 (12¼)	244 ($9^5/_8$)	3000	All pipe	47 lb/ft, L80, BTC, Range 3	4475	3917	na	618751	1.75 1.76

Design Parameters

Condition	Design SF
Estimated Bottomhole Pressure ("BHP") Estimated BHP in hole section based on maximum anticipated mud weight.	
Burst Pressure (i) - 340 mm casing - gas column from est. BHP in next hole section in equilibrium with fracture pressure at shoe. Sea water in annulus.	1.10
Burst Pressure (ii) - 244 mm casing - well shut in with gas column from est. BHP in next hole section. Sea water in annulus.	1.10
Collapse - Partial evacuation of the casing due to a 1.0 sg loss zone at TD of next hole section. Drilling fluid in annulus, or Hydrostatic of cement in annulus (sea water on inside of casing whichever is higher	1.00
Tension - String weight plus plug bumping pressure.	1.60

For design purposes the fracture pressure at the 13 3/8" casing shoe has been assumed as 1.6 sg MWE

4.5 FORMATION PRESSURE CONTROL

4.5.1 Wellhead

Dril-Quip SS 10 Marine Wellhead System consisting of a 762 mm (30") conductor housing and a 476 mm (18¾") 68,950 kpa (10,000 psi) high pressure housing.

4.5.2 Blow Out Prevention Equipment

A 476 mm (18¾") 68,950 kpa (10,000 psi) blow out preventer ("BOP") will be run after landing the high pressure housing.

BOP equipment details are provided in the Well Control Procedures Manual.

4.5.3 Pressure Testing

Refer to **Table 4** for test pressures. BOP test procedures are provided in the Well Operations Procedures Manual (Sedco).

4.5.4 Formation Leak-off Tests

Formation leak-off tests ("LOT") will be carried out after drilling out the 340 mm ($13^3/_8$") surface casing and 244 mm ($9^5/_8$") intermediate casing (if run).

The procedure is set out in the Offshore Drilling Operations Manual. The tests will be taken to leak-off point.

4.6 DETAILED DRILLING PROGRAMME

Operational procedures and practices are detailed in the Well Operations Manuals.

4.6.1 Drilling Chronology

1. Position rig on location and run anchors.
2. Run TGB if required.
3. Drill 914 mm (36") hole to 145 m.
4. Run and cement 762 mm (30") conductor at 142 m with PGB.
5. Drill 445 mm (17½") hole to 875m RT
6. Run and cement 340 mm ($13^3/_8$") casing at 865m RT. Casing will be run with the high pressure housing.
7. Run and test BOP.
8. Drill out casing. LOT.
9. Drill 311 mm (12¼") hole to 3027.4 m RT.
10. Run wireline logs.
11. Run production test or plug and abandon as required.
12. Pull anchors.

4.6.2 Pressure Testing

TABLE 4
WELL PRESSURE TESTING SUMMARY

	TEST PRESSURE kpa (psi)						
Function	**Casing/ Pack-off**	**Pipe Rams**	**Shear Rams**	**Annulars**	**Mud Manifold/ Standpipe**	**Choke Manifold, Inside BOPs**	**Choke/ Kill Lines**
BOP on test stump	-	68,950 (10,000)	68,950 (10,000)	24,000 (3,500)	34,500 (5,000)	34,500 (5,000)	-
508 mm x 340 mm Casing Set							
(i) Plug bump	13,800 (2,000)						
(ii) Running BOP							34,500 (5,000)
(iii) BOP installed		34,500 (5,000)	34,500 (5,000)	24,000 (3,500)	34,500 (5,000)	34,500 (5,000)	34,500 (5,000)
(iv) Interim test		24,000 (3,500)	13,800 (2,000)	24,000 (3,500)	24,000 (3,500)	24,000 (3,500)	24,000 (3,500)
244 mm Casing Set*							
(i) Plug bump	20,500 (3,000)						
(ii) Pack-off	36,200 (5,250)						
(iii) Drill-out		34,500 (5,000)	34,500 (5,000)	24,000 (3,500)	34,500 (5,000)	34,500 (5,000)	34,500 (5,000)
(iv) Interim test		34,500 (5,000)	-	24,000 (3,500)	34,500 (5,000)	34,500 (5,000)	34,500 (5,000)

Notes:
* If Run
Pressure tests shall be preceded by a low pressure test of 2100 kpa (300 psi).
Pressure tests shall be held for 5 minutes (low pressure) and 15 minutes (high pressure).
The Interim BOP test shall not exceed 14 days between tests. The BOP shall also be pressure tested to the above values prior to any production testing or following any repair where the BOP is disconnected from the wellhead.

4.7 CEMENTING PROGRAMME

TABLE 5
WELL CEMENTING PROGRAMME

			CEMENTING DETAILS						
Hole Size mm (ins)	**Casing Size mm (ins)**	**Setting Depth m RT**	**Type**	**Weight SG**	**Water Reqt. cum/t (gps)**	**Yield cum/t(cuft/sx)**	**Additives ***	**Cement Volume**	**Comments**
914 (36)	762 (30)	142	Class G	1.90	0.443 (5.0)	0.762 (1.15)	1.0% $CaCl_2$ (BWOC)	Cement to seabed. 200% excess Approx. (600 sx)	Displace through drill pipe. Stinger to leave 5 m cement inside casing.
445 (17½)	340 ($13^3/_8$)	865	Class G	1.54 - Lead	0.97 (10.97)	1.29 (1.96)	2.5% PHG (BWOW)	Cement to seabed 20% excess Approx. (1000 sx)	Run float collar two joints above float shoe. Thread-lock shoe track. Centralisers - tba Two plug SSR (PDC drillable).
			Class G	1.90 - Tail	0.433 (5.0)	0.762 (1.15)	TBA	TOC 150 m above shoe 20% excess Approx. (600 sx)	
311 (12¼)	244 ($9^5/_8$)	As required	Class G	1.90	0.433 (5.0)	0.762 (1.15)	TBA		As above

* Cement formulations and additives, including thickening times, will be advised from laboratory tests.

Note:
Cement volumes are estimates and will be re-calculated on site.

4.8 DRILLING FLUIDS PROGRAMME

TABLE 6
DRILLING FLUIDS PROGRAMME

Hole Size mm (ins)	Depth m	Mud Weight SG	Viscosity sec/qt	PV/YP cp/lb/100 sqft	Fluid Loss cc	Mud Type	Comments
914 (36)	145	1.03 - 1.05	100	-/60 to 90	-	Sea water/50 bbl high viscosity sweeps every 5-10 m	Use pre-hydrated bentonite flocculated with lime for sweeps - viscosity 100 sec/qt. Displace hole to high viscosity un-flocculated mud prior to running casing.
445 (17½)	875	1.08	44 - 52	-/60 to 90	-	Seawater with high viscosity sweeps	Displace hole to high viscosity un-flocculated mud prior to running casing with 8% KCL pill across the exposed Wangarlu.
311 (12¼)	3027.4	1.08	46 - 54	20/23	8.0	KCL/PHPA	6% KCL, 1.5 ppb PHPA Drill out with 1.08 sg and maintain to section TD

Notes:

The above parameters are provided as a guide. Refer to the mud company's Drilling Fluids Programme for full details. A Mud Engineer will be on site to run the mud systems and provide technical advice.

A Corrosion Control Programme should be run in accordance with the Drilling Fluids Programme.

Run solids control equipment to restrict solids build-up to less than 5% in the 311 mm hole.

4.9 DEVIATION CONTROL

4.9.1 Objectives

Maximum rate of change of angle to be less than 1½° per 30 m.
A maximum deviation of 5° for the well.

4.9.2 Surveys

914 mm (36") hole: Run Totco at TD. Bulls-eye angle on guide base should not exceed 1° before cementing.

445 mm (17½") hole: Single shot surveys every 300 m maximum or bit trip.

311 mm (12¼") hole: Single shot surveys every 300 m maximum or bit trip.

Survey intervals may be amended depending on hole conditions.

A Magnetic Multi-shot or Gyro Survey may be run at casing points if a dipmeter is not run in the logging suite.

BHAs will be discussed and agreed between the GLOBEX Drilling Supervisor and the KDC Drilling Manager.

4.10 TEST/SUSPENSION/ABANDONMENT PROGRAMME

If significant hydrocarbon shows are encountered and a decision to test or suspend the well made, an appropriate programme will be issued.

If testing is not warranted, a plug and abandonment programme will be advised after final logs have been examined.

The plug and abandonment programme will be in accordance with the requirements of the PSLA Schedule, Specific Requirements as to Offshore Petroleum Exploration and Production, (1997).

4.11 REPORTING

4.11.1 General

The well is a tight hole, and communications to joint venture participants will only take place through GLOBEX's office.

4.11.2 Reporting Requirements

Drilling Reports

The following reports will be forwarded from the rig to:

Kelly Down Consultants Pty Ltd, Sydney: Attention - Project Manager

(1) Daily Reports - by email by 0615 hours EST:

- daily drilling report;
- daily mud properties consumption report (mud contractor);
- bulk report. **cc: Materials and Logistics Supervisor**

(2) Other Daily Reports - by email:

- drilling status report at 1430 hours EST;
- register of personnel - each day after the last helicopter flight. **cc: Materials and Logistics Supervisor**

(3) Specific Reports - shortly after the event by fax:

- rig positioning;
- accident or lost time;
- casing and cementing;
- LOTs;
- coring and testing;
- rig inspection report.

(4) Other Reports - weekly by mail:

- tour sheets;
- materials movements and consumption;
- copies of field tickets/memos/faxes.

(5) At the completion of the well:

- completed drilling forms (e.g. bit records etc.);
- final inventories and movements;
- adequate notes and reports on any event, problem or operation specific to the well.

Geological Reports

The following reports will be forwarded from the rig to:
GLOBEX: **Attention -**

- daily report - by email by 0700 hours EST;
- daily geological report;
- mud logging report;

cc: Kelly Down Consultants Pty Ltd, Sydney: Attention - Project Manager

5. FORMATION EVALUATION

5.1 WELLSITE GEOLOGIST RESPONSIBILITIES

The Wellsite Geologist is responsible for geological supervision at the wellsite and for formation evaluation. He will supervise the mud logging unit, the mud loggers, the electric logging (including velocity survey) and will select coring and testing intervals as per this programme. All service tickets for these contractors require his approval, in addition to the approval of the GLOBEX Drilling Supervisor. The Wellsite Geologist reports to the GLOBEX Senior Operations Geologist. Prior to drilling, the Wellsite Geologist will be briefed by the GLOBEX Senior Operations Geologist on all aspects of this Drilling Programme.

All sample collection is the responsibility of the Wellsite Geologist who will ensure that the contracted mud logging company correctly gathers, labels and ships the samples as per instructions.

Cuttings gas, mud gas and salinity will be closely monitored over zones of interest. Additional samples may be collected at any time at the discretion of the Wellsite Geologist. All shows will be fully evaluated whilst drilling.

Whilst drilling, the Wellsite Geologist will monitor the mud logging and drilling operations in order to compile the daily geological report. A daily morning report will be sent to GLOBEX's office by 0730 (EST) via email and will summarise geological progress and parameters listed below for the previous 24 hours to 0600 (EST). This report will be made by the Wellsite Geologist and will include:

- lithologic description;
- drilling rate;
- gas detector readings and show report;
- formation and/or lithological boundaries;
- correlation points;
- any other pertinent information; and
- up-to-date mud logging sheets (faxed).

Depths should be reported in metric units. Pipe size, mud weights and other operations parameters will be reported in (conventional) imperial units.

5.2 MUD LOGGING

The mud loggers will be under the supervision of the Wellsite Geologist.

A computerised mud logging unit will be on board with video displays on the rig floor, in the GLOBEX Drilling Supervisor's office and Wellsite Geologist's office. Mud loggers will provide drilling assistance and geological samples and analysis services as required.

Mud logging services will provide continuous 24 hour surveillance of drilling operations including:

- **Gas Monitoring**:
  - total gas;
  - cuttings gas; and
  - chromatographic analysis.

- **Mechanical indicators**:
  - depth;
  - pump stroke rate, pressure;
  - mud pit level;
  - ROP; and
  - drilling parameters (RPM, WOB, torque, etc).

It is anticipated that mud logging services will commence at the 508 mm (20") conductor shoe (at 300 m) and continue until TD.

Four sets (2 for Government, 1 for Globex, 1 for destructive analysis (eg palynology, geochemistry and vitrinite reflectance) of washed, dried and bagged samples (minimum 200 gms in accordance with Government regulations) to be collected at 10 m. intervals to 50m above the predicted top of the Demons Bluff (1050 m SS, 1077.4 m RT)

From 1077.4 m. RT to TD samples to be collected at 5 m intervals.

Additionally "bulk " samples of 500 g composited over each 10 m., "*lightly*" washed to remove only the excess mud, **air** dried and bagged in synthetic cloth bags. **No cotton bags** to be used as they rot and disintegrate; **No polypropylene bags** as they disintegrate in sunlight (UV). These are for geochemistry, micropaleontology, fission track analysis etc as may be needed.

A comprehensive 1:500 scale mud log will be maintained at all times from commencement of drilling to TD. All instrument charts, annotated for depth in metres, are to be submitted prior to release of the mud logging unit.

Gas detectors and chromatographs are to be calibrated with standard check gas blends once per day. Total gas detectors are to be calibrated so that 1% methane in air will produce a chart deflection of 50 units (1 unit is equivalent to 200 parts per million ("ppm") methane equivalents in air). Total gas readings are to be recorded and annotated on the mud log in total gas units and the chromatograph gas readings annotated in parts per million. Calcium carbide lag checks will be run once per shift or every 100 m, whichever occurs first (or at the discretion of the Wellsite Geologist), and total gas units and lag (actual and calculated) are to be recorded on the mud log.

Drill rate will be recorded in minutes/metre on a non-linear scale to best show significant changes in rate and to minimise scale changes. The logger is responsible for resolving any discrepancies in measured depth.

Leak-off tests, pit losses/gains, tight-hole and other geologically significant data will be

recorded on the mud log.

Mud and mud filtrate salinity will be measured from any significant hydrocarbon show. As a reference, salinity checks should be made as soon after a significant drilling break as possible (i.e. **before** the sample from the break is at surface).

The mud loggers will be responsible for the collection, logging and description of drill cuttings samples. A copy of the updated mud log will be available every morning in time for the morning report. A copy may be required for the afternoon report while drilling in zones of interest.

Routine microscopic and fluoroscopic examination of ditch cuttings for hydrocarbon shows will be undertaken.

Digital data are to be backed up on a regular basis such that, in the event of a system failure, a minimum of data would have to be re-entered. Each morning the computer based files will be updated and a copy handed to the Wellsite Geologist for transmission to GLOBEX's office.

At the conclusion of the well, a complete set of edited data is to be written to 3½" floppy disks using an agreed format and handed to the Wellsite Geologist.

5.3 CORING AND CORE ANALYSIS

Note: Pipe is to be strapped and pipe measurements checked against mud loggers' tally prior to coring, testing or logging operations.

Coring is programmed but will depend upon suitable hydrocarbon shows. In the event coring takes place and if shows are encountered and they persist to the bottom of the first core, then additional cores may be necessary.

Due to the generally unconsolidated nature of some of the sands and the possibility of poor recovery and deep fluid invasion, special coring and handling procedures will be implemented to ensure good recovery for future analysis.

A core barrel with fibreglass inner barrels will be available on site and a low invasion face-discharge core-head will be utilised for any coring operations.

If a core is cut, the following handling procedures should be followed:

After cutting and retrieval, the fibreglass sleeve should be laid on the catwalk, measured, oriented (using standard procedures, i.e. red line on the right and white line on the left pointing downwards) and cut into 1 m length pieces. Depths should be annotated at the top and bottom of each 1 m length piece as well as the 1 m marks along the core. Core chips can be cut at the core ends and tested for fluorescence and cut immediately. A core description should be prepared using the core chips. Without delay, caps should be placed on the open ends and further sealed with tape. Waxing of caps is not recommended. Experience has shown that cracks usually develop after the wax has cooled down.

The core should be delivered for analysis as soon as possible. If the core is unconsolidated, special analytical techniques might be required to ensure adequate and meaningful results.

5.4 WIRELINE LOGGING

The following logging programme will be conducted upon reaching TD.

TABLE 7
LOGGING PROGRAMME

Suit No.	Hole Size (mm)	Depth Interval (m RT)	Run No.	Logging Suite
1	445 ($17^1/_2$")	875 - 145 m	0	No riser, no logs
2	311 ($12^1/_2$")	3027.4 - 875	1 2 3 4 5 6	DLL-MSFL- GR-SP-PE-LDL-CNL-NGT SHDT-G -BHC (with full wave form sonic) BHC-GR continued to surface inside casing VELOCITY SHOOT RFT - GR CST-GR (1 Gun 52 shot preferable) (2nd Gun Optional)

It should be noted that the programme as outlined above is flexible, and modifications may be made dependent upon well bore conditions, engineering constraints, geological aspects and changes in the objectives of the well.

Presentation

- All log data to be presented at 1:200 and 1:500 vertical scales according to GLOBEX's standard electric logging presentation format as per **Table 7**.

Log Data Transmission

- Facsimile
  All log data should be faxed to GLOBEX's office as soon as possible. who will, in turn, re-fax the log data to joint venturers if required.

- Modem
  If modem is operational at time of logging, log data should be transmitted to:
  - GLOBEX's office and
  - wireline logging contractor's office.

GLOBEX's office will re-transmit the log data to joint venturers on request, and the wireline logging contractor's office will supply prints as soon as practicable to GLOBEX's office for distribution to joint venturers.

5.4.1 Standard Electric Logging Presentation Format

The following log presentation style will be adopted for the final presentation of all logs unless otherwise agreed.

TABLE 8
SUMMARY OF LOG PRESENTATION

Curve	Scale	Track	Back-ups	Coding
Gamma-Ray	0 : 150 API	T1	Wrap	Light Line
Laterolog - Deep	0.2 : 2,000 Log	T23	None	Light Dash
LLD-Backup	2,000 : 20,000 Log	T2	None	Heavy Dash
Laterolog - Shallow	0.2 : 2,000 Log	T23	None	Light Spot
LLS-Backup	2,000 : 20,000 Log	T2	None	Heavy Spot
Micro-SFL	0.2 : 2,000 Log	T23	None	Light Line
Micro-Normal	10 : 0	T1	None	Light Spot
Micro-inverse	10 : 0	T1	None	Light Dash
Deviation	0 : 5 deg	T1	Shift	Light Spot
Relative bearing	-0.40 : 360 deg	T1	Wrap	Light Dash
Azimuth	-0.40 : 360 deg	T1	Wrap	Light Line
ILD	0.2 : 2,000 Log	T23	None	Light Dash
ILD-Backup	2,000 : 20,000 Log	T23	None	Heavy Dash
SFLU	0.2 : 2,000 Log	T23	None	Light Spot
SFLU-Backup	2,000 : 20,000 Log	T23	None	Heavy Dash
SP	-0.50 : 50 mv	T1	Wrap	Light Spot
Caliper	6 : 16 in	T1	Shift	Light Dash
Bit Size	6 : 16 in	T1	None	Heavy Line
Density	1.85 : 2.85	T23	Shift	Light Line
Density Correction	-0.25 : 0.25	T3	None	Light Spot
PE	0 : 10	T23	None	Heavy Gap
Neutron	0.45 : -0.15	T23	Shift	Light Dash
Delta T	140 : 40 msec/ft	T23	Shift	Light Line
Delta T (long)	140 : 40 msec/ft	T23	None	Light Dash
CBL	0 : 10 mv	T2	None	Light Line
CBL-Backup	0 : 10 mv	T2	None	Light Dash
Tension	0 : 4,000 lb	Depth Track	None	Light Spot

5.4.2 Sidewall Cores

Sidewall cores ("SWC") will be taken over selected intervals for the following reasons:

- palaeontological analysis; (~35 shots)
- show evaluation; or
- visual assessment of reservoir/seal quality. (~17 shots)

One 52 shot run to be made. 17 shots for sampling hydrocarbon show sands etc; 35 for palynology located in shales or finest grained intervals at about 50 m spacing throughout the Eastern View Section. Coals to be avoided as they separate easily from cuttings with little ambiguity.

The cores will be described by the Wellsite Geologist directly after the samples have been acquired. SWC should be placed in SWC jars with foil-lined caps; direct contact with wax-coated cap liners should be avoided. SWCs of hydrocarbon-bearing reservoir units should be kept sealed and in a cool location prior to transport.

The sidewall coring equipment should be on location prior to logging, and all explosives will be kept in a designated safe container. Minimum required personnel should be on the catwalk/rig floor when armed core guns are run or pulled. All radio transmitters and electric welding units are to be de-energised while arming or disarming core guns and while the core gun is within the top 60 m of the hole.

5.4.3 Wireline Formation Tests

RFTs will be run if hydrocarbons are suspected in any of the reservoir sandstone intervals, and if hole conditions permit. The purpose of these tests is to measure formation pressure, establish hydrocarbon and water gradients, and obtain a preliminary indication of permeability and formation fluids. An RFT may be used to evaluate zones too thin for production tests.

A range of chamber sizes should be available (1-6 gal), the combination to be used dependent upon the zone to be tested and available should segregated samples be taken.

Fluids recovered from the upper chamber should be analysed on site, while fluids from the lower chamber should be kept sealed and delivered for analysis as soon as possible.

The Wellsite Geologist will recommend RFT intervals to the GLOBEX Senior Operations Geologist for approval.

5.4.4 Velocity Survey

As anticipated. the 17 $^1/_2$" hole will only be to about 870 m. RT. Section would thus be all be in the Torquay Group. Consequently no checkshot survey is required in this section. For the 12$^1/_4$" hole section to TD logging run, the geophone for shots should be located at:

(1) About 500 m.
(2) 1,000 m just below limestone reflector if it can be identified.
(3) Top Demons Bluff.
(4) Top Eastern View C. M.
(5) Top of Anomaly Horizon.
(6) At velocity breaks picked from the sonic or other logs such as continuous thick coals (over 25 m, but not anticipated); alternatively shots should be located at not more than 400 m intervals approximately evenly spaced.
(7) If thick basalt-gabbro intervals are intersected similar to in Yolla-1 (2563-2651) shots should be taken at top and bottom of the interval.
(8) At TD.

5.5 TESTING

No firm tests are programmed for the well. Tests will be run depending on evaluation of shows encountered while drilling, coring and subsequent log analysis and RFT results.

Tests will be run after consultation with GLOBEX's Senior Operations Geologist. Test tools will be available on short notice should they be required.

A separate programme will be issued should cased hole testing operations be required.

6. SAMPLING

6.1 CUTTINGS

Table 9 sets out the cuttings sampling programme for the well.

TABLE 9
CUTTINGS SAMPLING

Type	Weight	Interval Spacing (m)	Interval (m)	No. of Sets
Washed and dried (lithology)	200 g bags	10 5	860-950 950-3022	4* 4*
Lightly washed (almost unwashed), air-dried (biostratigraphy and geochemistry).	500 g bags	10 10	860-950 950-3022	1 1

* 1 set for Mineral Resources, Tasmania.
1 set for Australian Geological Survey Organisation ("AGSO").
1 set for GLOBEX.
1 set for destructive analysis as required.

6.2 FLUIDS

The packaging of samples is to be in suitably sized cardboard cartons clearly marked identifying the boxes contents. The samples shall be packed in such a way as to not damage both the contents and the labelling on the boxes.

6.2.1 Crude Oil

Recovered crude oil samples will be collected in 3 x 5 litre cans and prepared for analysis off site. Preliminary determination of the API gravity and pour point of the oil will be made at the wellsite.

The samples should be labelled with the well name, date, drill stem test ("DST") number, DST interval, formation, sampling point and surface temperature, time and at what stage of the DST the sample was collected. A note should also be made about the flow as to slugging or stability etc.

6.2.2 Gas

Between 500 and 1000 ml of gas are required for analysis. A minimum of two samples per test should be collected under pressure in an evacuated steel cylinder at stabilised flowing conditions.

The cylinder should be labelled with well name, date, DST number, DST interval, formation, the pressure and location at which the sample was collected, the time and at what stage of the DST procedure the sample was taken, and surface temperature.

A note should also be made about the flow as to slugging or stability etc. A sample of any gas to surface will be analysed at the wellsite using the chromatograph in the mud logging unit. Avoid saturating the detector by diluting with air.

6.2.3 Water

Formation water samples are to be collected in one litre plastic bottles.

Other water samples such as well completion fluids, cementing fluids, well stimulation back-flow fluids and production test fluids all require a one litre plastic bottle sample for optimum laboratory results.

6.2.4 Mud

500 ml mud samples will be taken every 3 m whilst hydrocarbon shows within the reservoir section are being recorded either on the chromatograph or in cuttings fluorescence. Additional mud sampling at other times is at the discretion of the Wellsite Geologist.

RMF should be recorded on any mud sample while drilling in shows.

Store samples in a cool place and ship as soon as possible for analysis.

7. SAMPLE SHIPMENT

All cores and cutting samples, once properly labelled and packed, should be dispatched from the rig as soon as possible.

All samples requiring urgent analysis should be dispatched immediately to the company that will perform such analysis via work boat. All other samples should be dispatched as soon as possible in a shipping container via work boat.

All shipments must be properly addressed, documented, and manifested with the materials coordinator on board the rig. Shipments which do not require urgent analysis should be delivered to GLOBEX's office from which point final delivery to laboratory or joint venturers will be made.

Washed and dried samples will be retained at the wellsite until the end of the well when the Samplex tray set and one set of 100g washed and dried samples will be despatched to GLOBEX's office.

The second and third sets of the washed and dried samples shall be shipped to:

Mineral Resouces Tasmania
Core and Cutting Library
30 Gordons Hill Road,
Rosny Park, Tasmania, 7018.
Telephone: (03) 6233 8326 Attention: Ms Carol Bacon/Mr Tony Brown.

All other material will be labelled and shipped to:

GLOBEX Far East
Memorial Plaza II, 820 Gessner, Suite 1680, Houston, Texas, 77024
Telephone:: 713 463 7710, Fax: 713 463 7722, Email: xxxxxxxxx@xxx.xxx
Attention: Mr Tom Burgett, Exploration Manager

8. DATA DISTRIBUTION

Originals of all logs and magnetic tapes will be retained by GLOBEX. Log tapes and films

are to be hand carried to GLOBEX's office by the Wellsite Geologist. Originals of mud log data sheets, charts and floppy disks will be given to the Wellsite Geologist for delivery to GLOBEX's office.

TABLE 10
DATA DISTRIBUTION LIST

REPORT/DATA	MEDIUM TYPE	RIG	GLOBEX			MRT
REPORTS						
Well Proposal	PAPER	4	5	3	3	3
Daily Reports	PAPER	1	1	1	1	1
Weekly Reports	PAPER	1	1	1	1	1
Mud logging Final Report	PAPER		2	1	1	2
Well Completion Report	PAPER		2	1	2	2
LOGS (* UPON REQUEST)						
Data Transmission	MODEM		1	*	*	*
Field E-Log (each run main scale)	FAX	2	1	1	1#	1
Final E-Log (each run all scales)	PAPER		2	2	1	2
Final E-Log (each run all scales)	SEPIA		1	1	1	1
Final Edited E-log Data (LAS OR LIS)	Exabyte ( ) 9 Track ( ) 3½" Disk ( )		( ) ( ) (*)	( ) ( ) (*)	( ) ( ) 1	( ) ( ) (*)
SAMPLES **Amt (g) Interval**						
Cuttings100 5m/3 m			1			1
Samplex trays			1			
Paleo (unwashed) 100 x 5m/3 m			1			
Oil 5 litre cans			2			
Water 1 litre plastic bottle			2			
Mud 500 ml plastic bottle			2			
Core			$^{2}/_{3}$			$^{1}/_{3}$

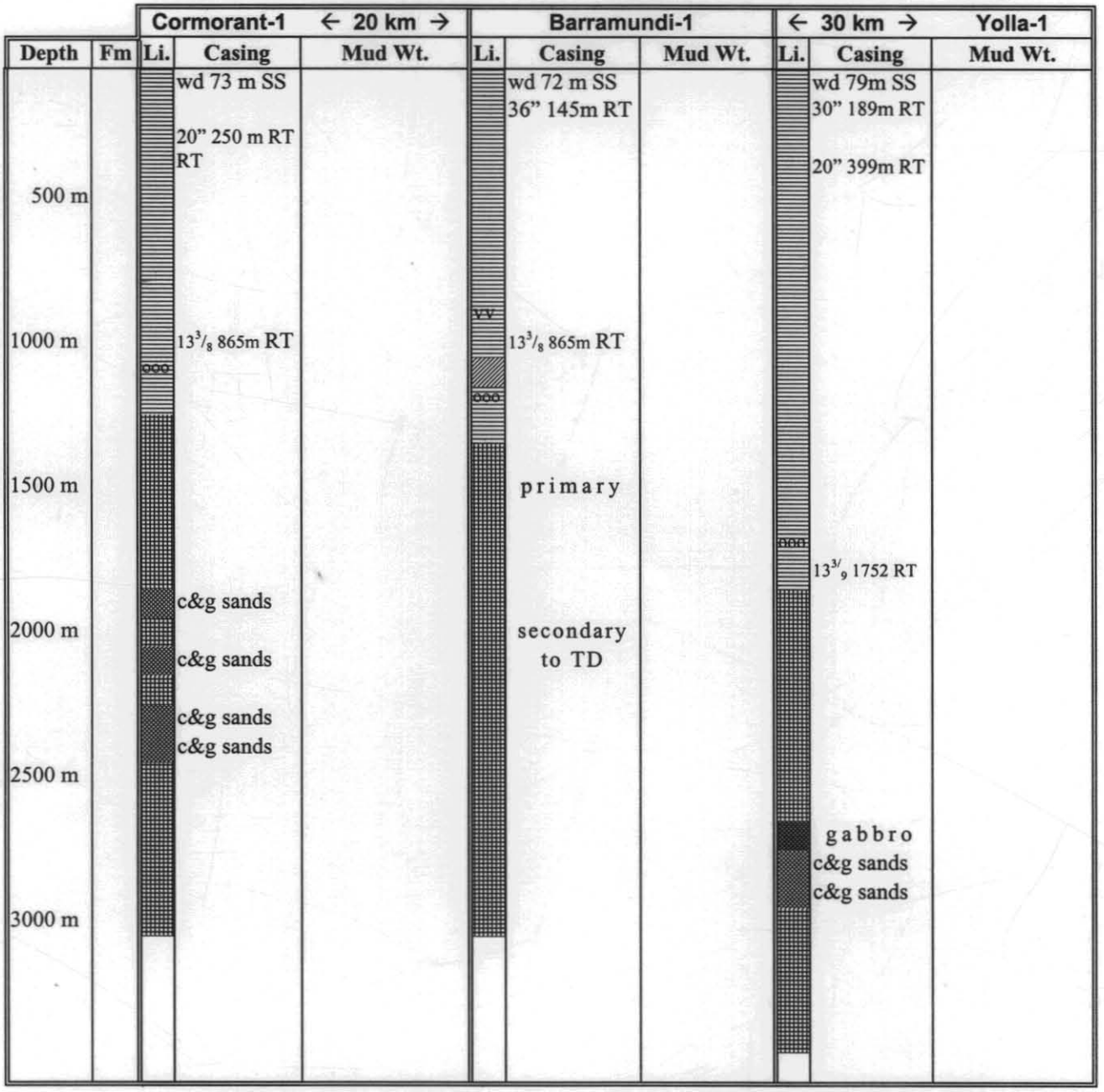
Note: Representative cuttings, cores, sidewall cores and fluid samples will be delivered for analysis to the designated service companies as soon as possible; their addresses are found in **Appendix A.**

9. OFFSET WELL DATA/CORRELATION

5 cm

TABLE 11

OFFSET WELL/DATA CORRELATION



10. OIL SPILL CONTINGENCY PLAN

The GLOBEX Oil Spill Contingency Plan ("OSCP") provides guidelines for use by field and office personnel to:

- notify the relevant authorities and groups of an oil spill;
- contain and manage the spill; and
- clean up the oil spill if necessary.

The OSCP shall be kept on board the rig for reference by all personnel.

FIGURES

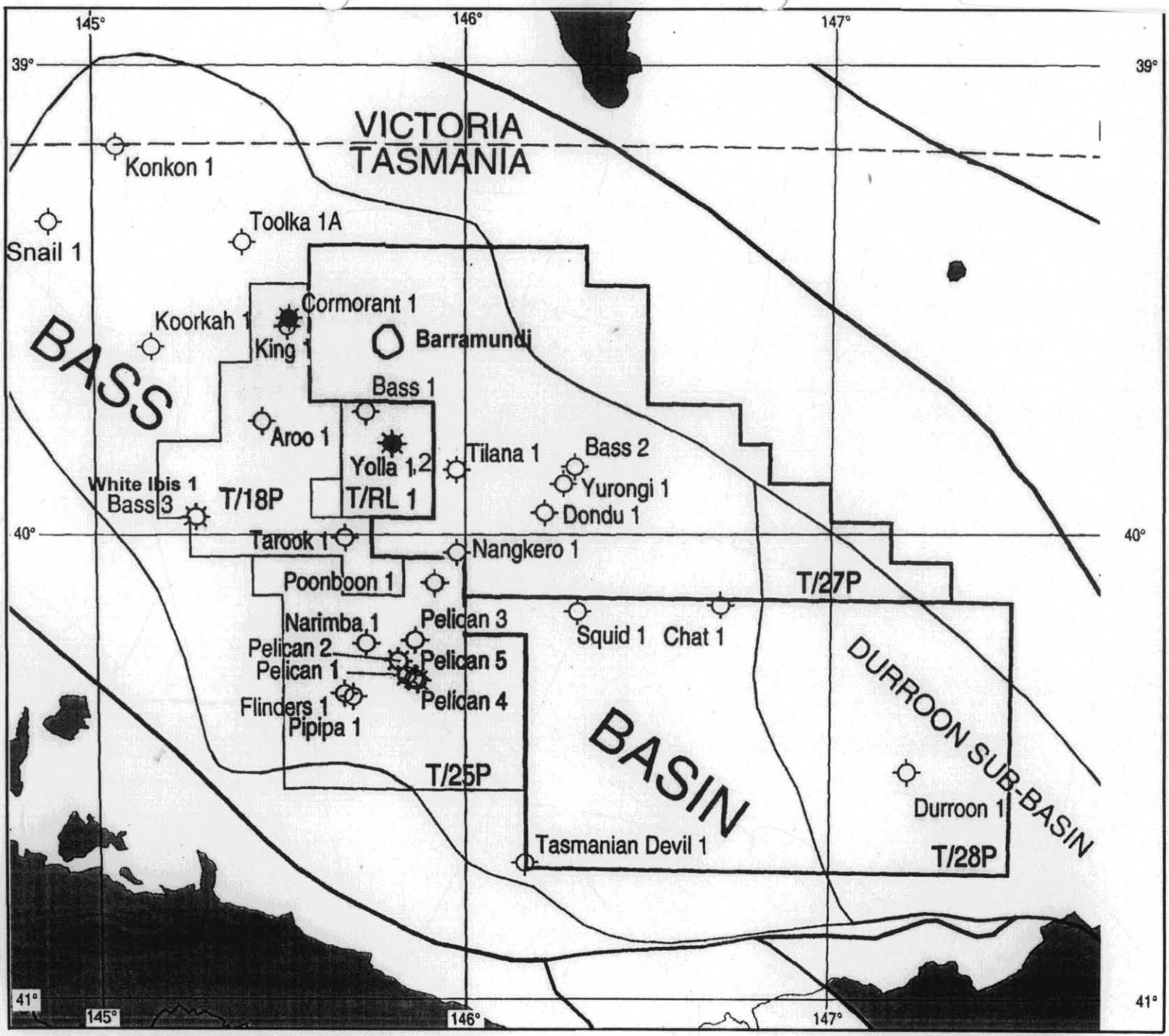
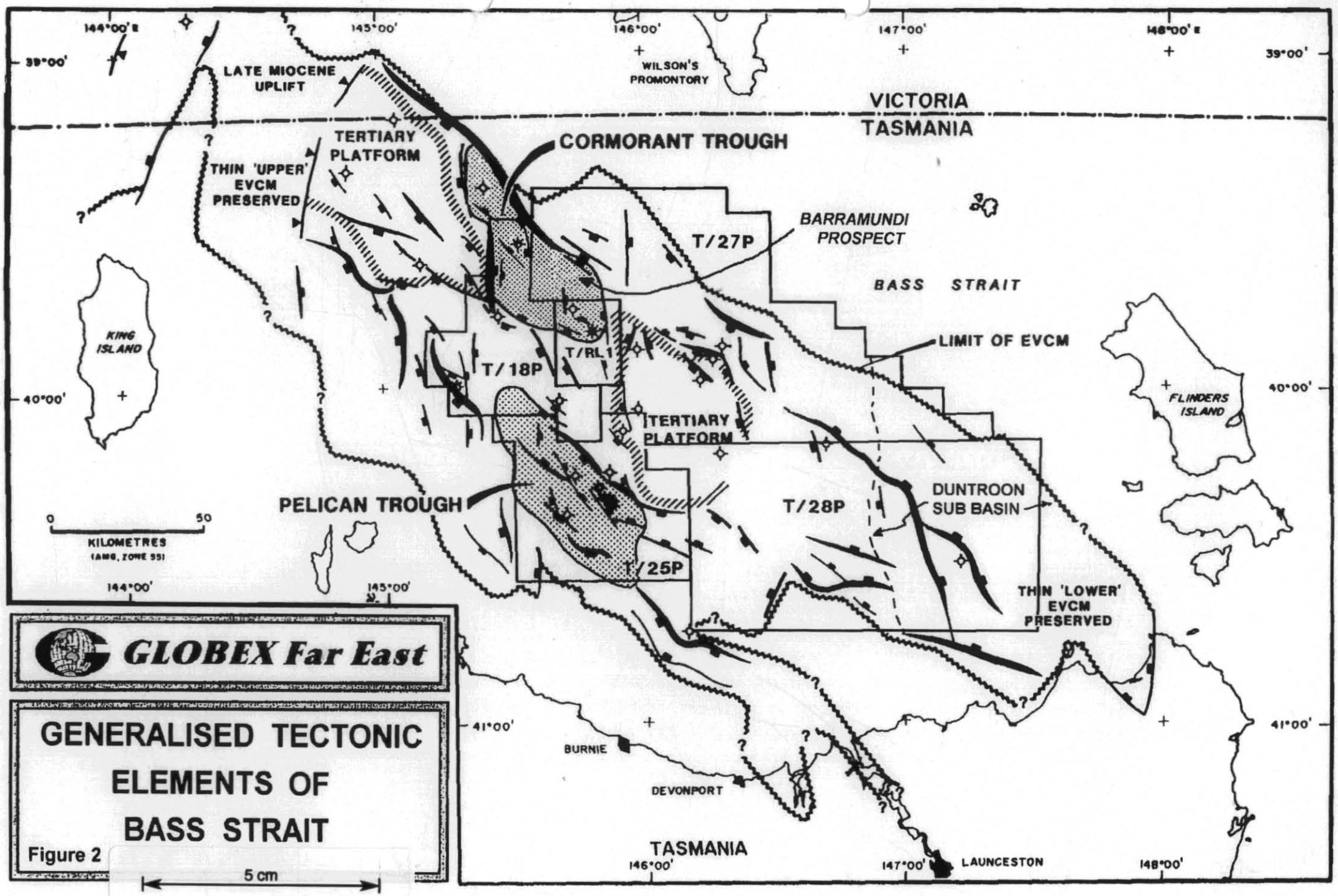


Figure 1 Locality map of Bass Strait showing leases and Proposed Barramundi -1 Location



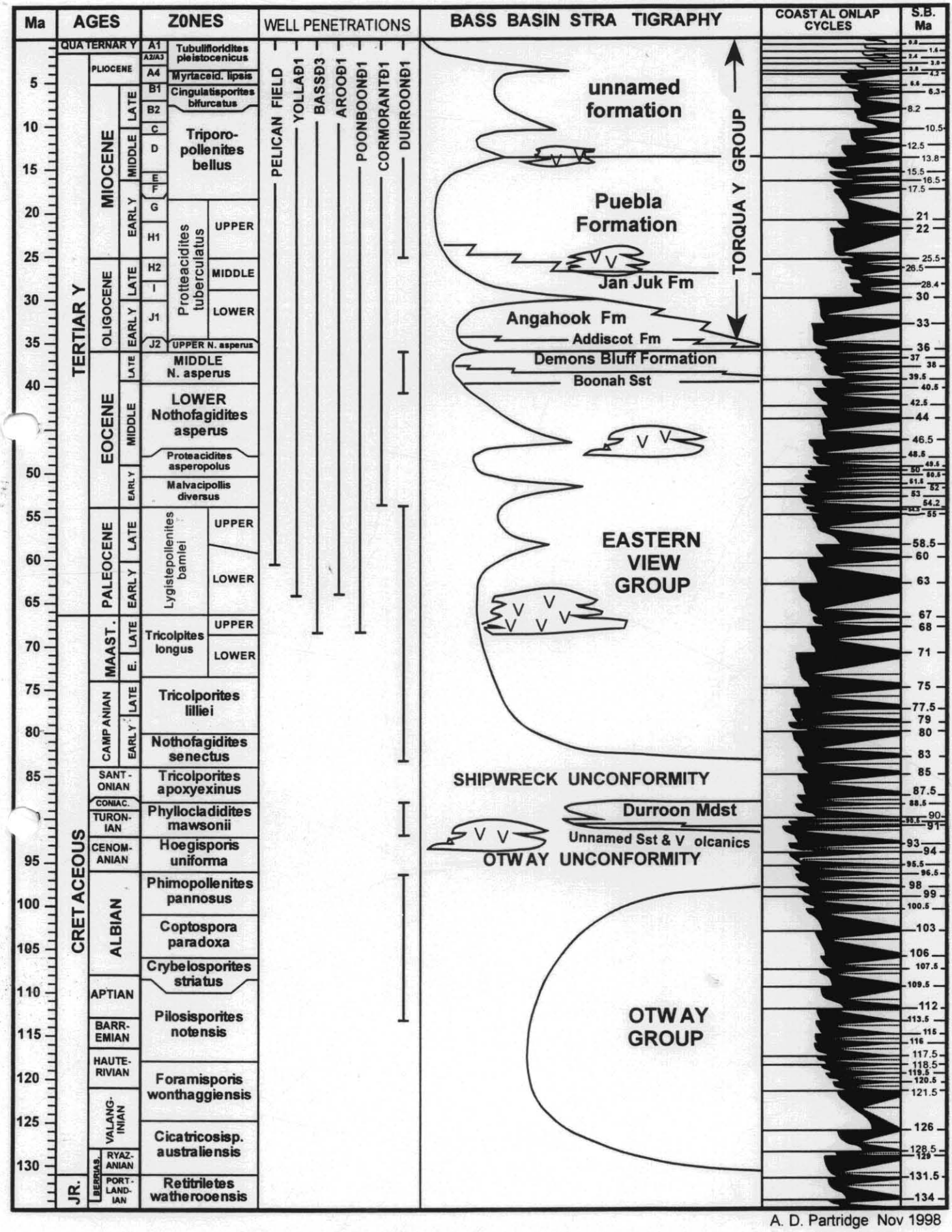
GLOBEX Far East

GENERALISED TECTONIC ELEMENTS OF BASS STRAIT

Figure 2

5 cm

543036



A. D. Partridge Nov 1998

Figure 3. Stratigraphy of the Bass Basin.

5 cm

BARRAMUNDI # 1

543037

Latitude: 39.66167 deg South Longitude: 145.73412 deg East

UTM ZONE: 55 South X = 391,412 Y = 5,609,012

RT = 27 m

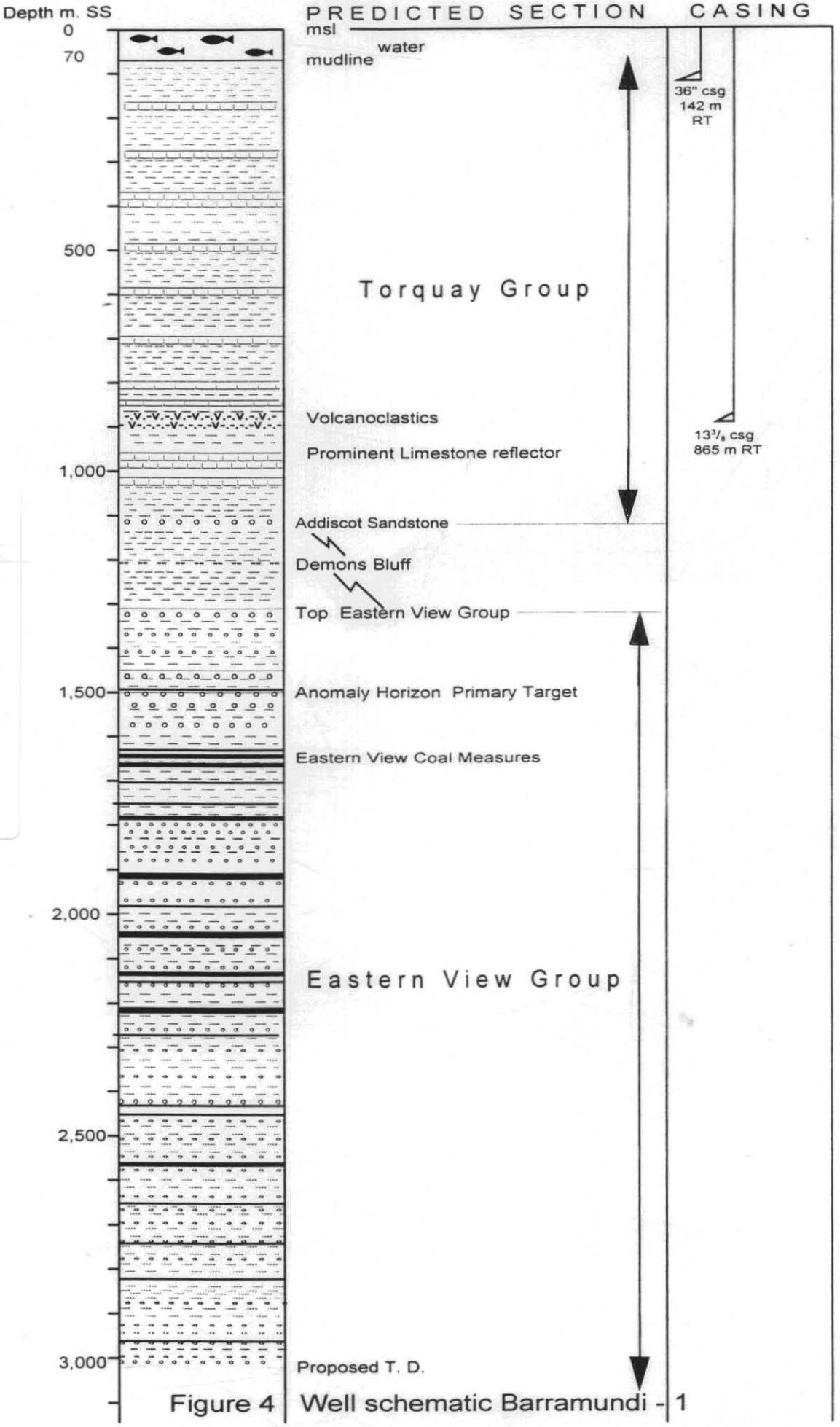


Figure 4 Well schematic Barramundi - 1

543038

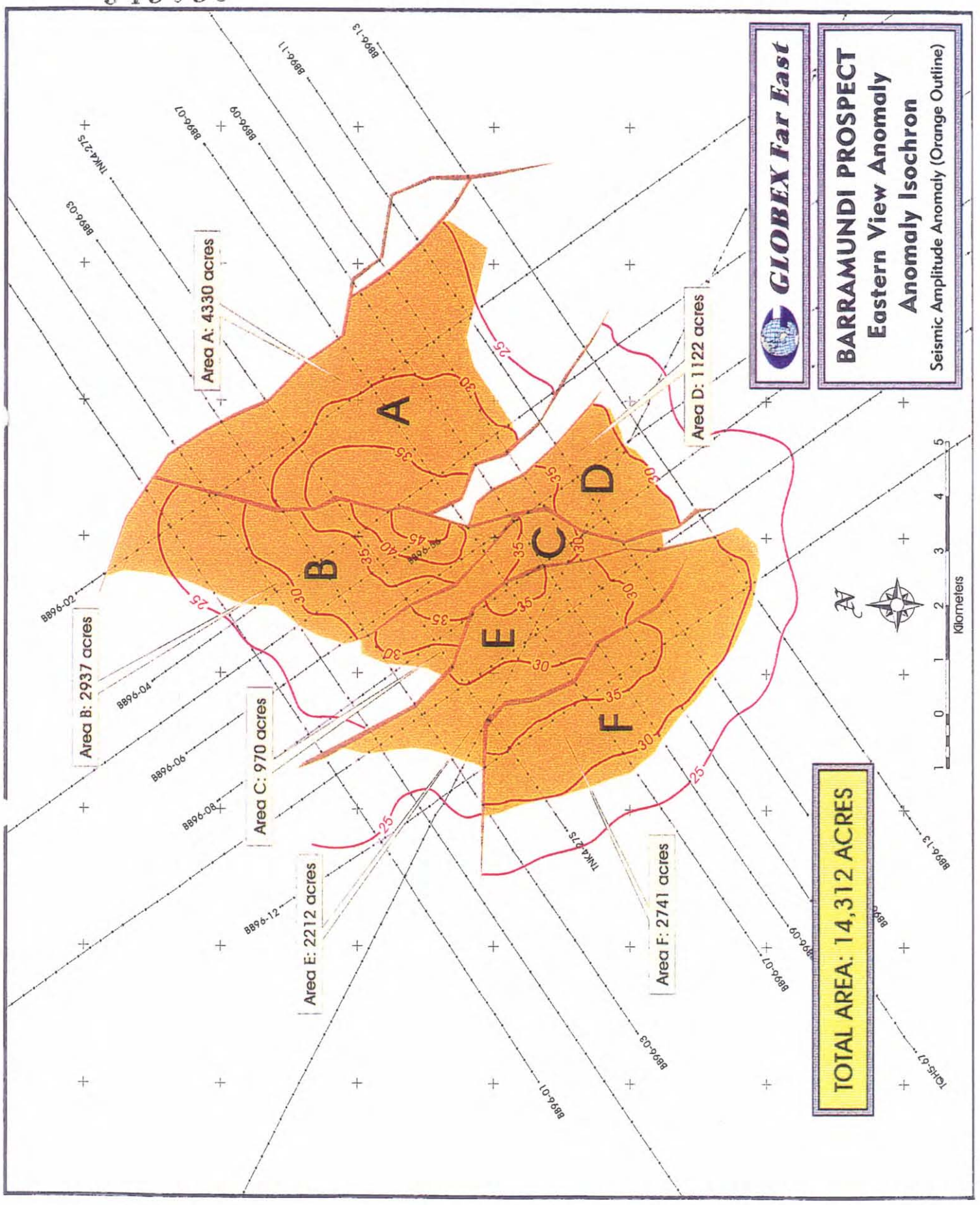


Figure 5 Barramundi Prospect Eastern View Anomaly Isochron showing compartments of structure.

5 cm

543089

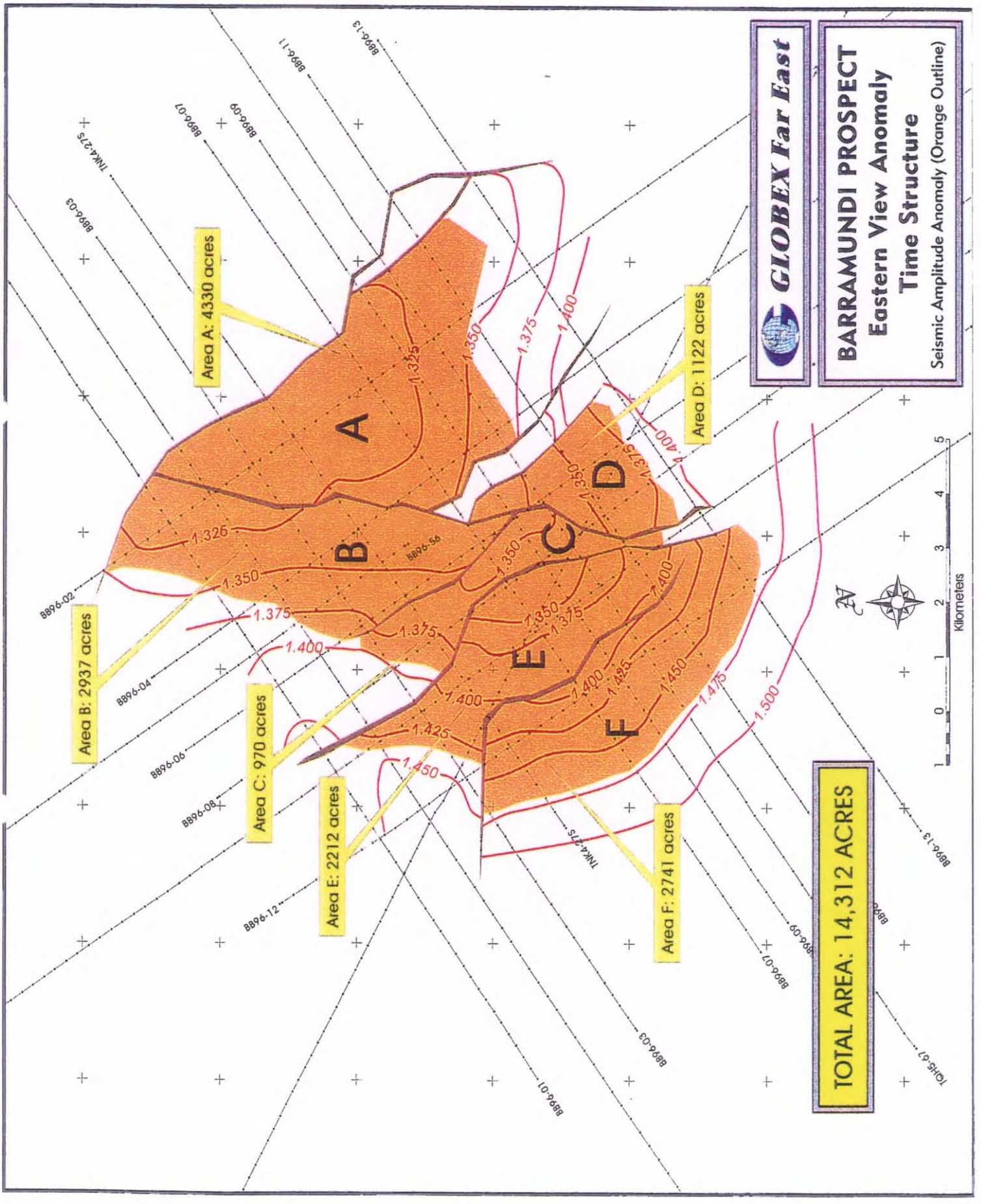


Figure 6 Barramundi Prospect Eastern View Anomaly Time Structure showing compartments of structure.

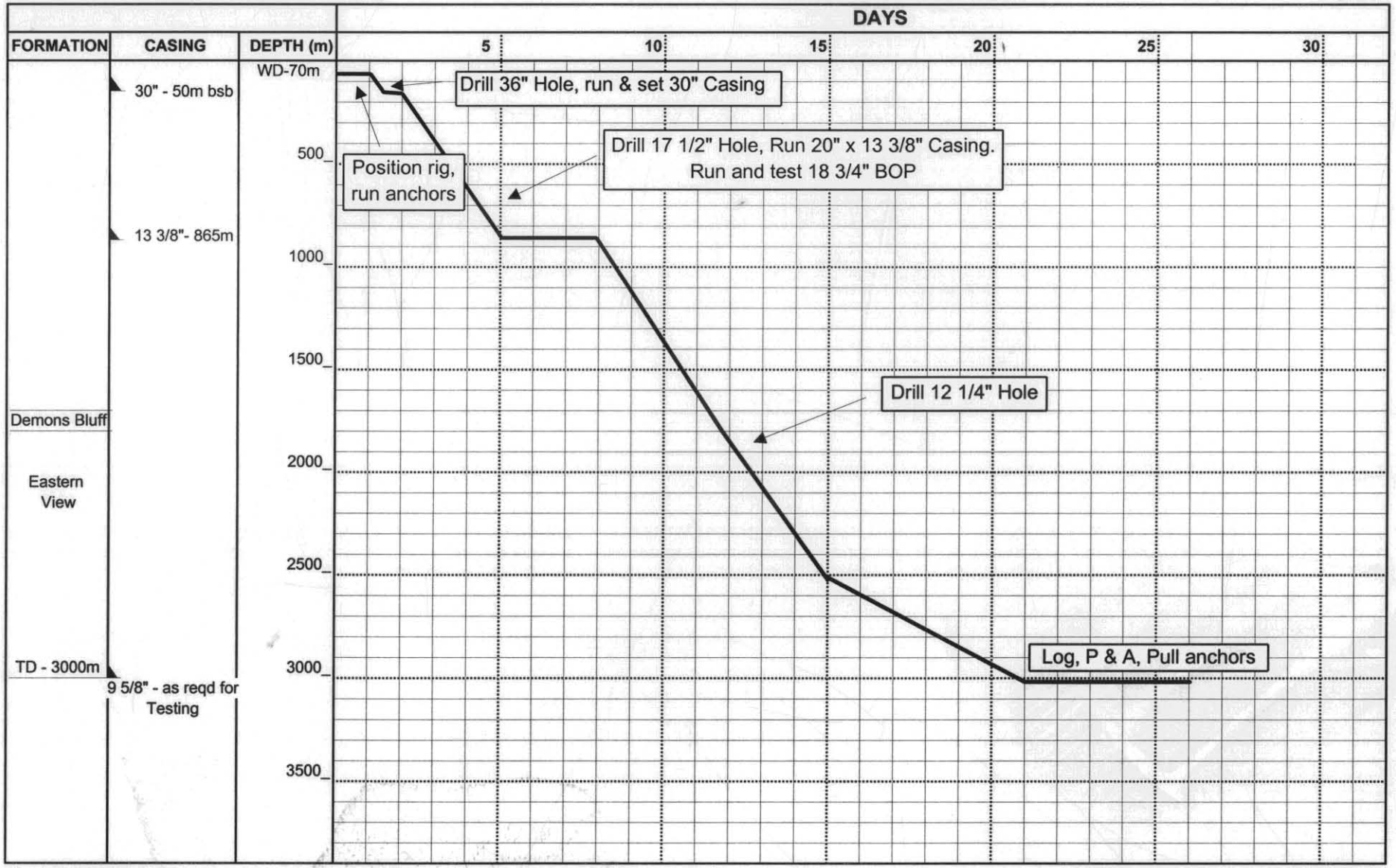
5 cm

5 cm

GLOBEX Far East

BARRAMUNDI-1 (T-27-P)

TIME/DEPTH CURVE **Fig.7**



Barra-td.xls/gr/28-10-98

Prepared by Kelly Down Consultants P/L

5430410

APPENDICES

APPENDIX A

OPERATOR/PROJECT MANAGER CONTACTS

Company/Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
GLOBEX Far East **Memorial City Plaza 11** **820 Gessner** **Houston, Texas 77024** **Contacts:** Richard P. Crist *- Vice President - Exploration* Thomas L. Burgett *- Exploration Manager*	1-713 463 7710	1-713 463 7722	1-409 321 1475	
Kelly Down Consultants Pty Ltd Level 4, 621 Pacific Highway St Leonards NSW 2065 **Contacts:** Jim Slater *- Drilling Manager* Geoff Rowlands *- Project Manager*	02 9901 3422	02 9901 3635	02 9452 2780 02 9906 4725	0412 446 440 0417 682 839
GLOBEX Supply Base c/- Toll Energy, 654, Footscray Road West Melbourne **Contacts:** *- Materials & Logistics Supervisor*				

APPENDIX B

543043

JOINT VENTURE CONTACTS

Company/Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
Seven Seas Petroleum Australia.				

* Facsimile number for receiving Daily Reports

APPENDIX B (cont'd)
GOVERNMENT CONTACTS

Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
Mineral Resources Tasmania	03 6233 8333	03 6233 8338		
30 Gordons Hill Road,				
Rosny Park, Tasmania, 7018				
PO Box 56, Rosny Park, Tasmania, 7018				
Contact: Ms. Carol Bacon	03 6233 8326		03 6239 1409	
- Managing Geologist				
Alternate Mr Anthony Brown	03 6233 8343			
- Director of Mines				

APPENDIX C

SERVICE COMPANIES

Service/Company/Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
Drilling Rig Schlumberger Australia Pty Ltd (Sedco Forex) Level 5, Capitol Centre, 256 St.Georges Terrace, Perth, WA 6000 Don Munroe - District Manager Dave Wright - Rig Manager *"Sedco 702" - Marisat* GLOBEX - Rig	08 9420 4800	08 9322 3110		
Rig Positioning Racal Survey 4 Ledgar House Balcatta WA 6021 Bart van der Groen - Sales Co-ordinator Derek Evans-Consultant - "Bird-dog"	08 9344 7166	08 9344 8783	 08 9384 6956 08 9384 6956	
Supply Vessels: Swire Pacific Offshore Pty Ltd Queensgate Centre Cnr. William and Newman Streets Fremantle WA 6160 Sam Pullan - General Manager	08 9430 5434	08 9430 7849		
Helicopters: Lloyd Helicopters Pty Ltd 45 Greenhill Road Wayville SA 5034 Ian McBeath - Marketing Director Melbourne Base - Base Manager - Deputy Base Manager	08 8373 0700	08 8373 3366		
Cementing: Halliburton Australia Pty Ltd Mike Vennes - Base Manager	08 9455 5200	08 9455 5300		
Drilling Fluids: Baroid Australia Pty Ltd No 5 Pitino Court, Osborne Park WA 6017 Dick Allen - Manager Peter McNaughton - Area Engineer Ed Schleifer - District Manager	08 9 446 6666 03 9621 3311	08 9446 1197 03 9621 3367		

APPENDIX C (cont'd)
SERVICE COMPANIES

Service/Company/Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
ROV:				
Electric Logging: Schlumberger Seaco Inc				
Mud Logging: Geoservices Overseas S.A. Unit 8, Farrall Road Midvale WA 6056				
Coring:				
Weather Forecasting: Weathernews Pty Ltd 31 Bishop Street Jolimont WA 6014 David Duncalf - Senior Meteorologist	08 9387 7955	08 9387 6686	08 9385 8384	
Drilling Tools:				
Directional Drilling:				
Casing Running:				
Well Testing:				

APPENDIX C (cont'd)
SERVICE COMPANIES

Service/Company/Address/Contact	Office Tel.	Office Fax.	Home Tel.	Mobile
Wellheads: Dril-Quip 132, Sheffield Road, Welshpool, WA 6106 Keith Petley - Projects-Sales	08 9458 5700	08 9458 5595		0412 913 025
Casing (30") DQ Holdings Pty Ltd 134 Sheffield Road Welshpool WA 6106 Keith Petley - Projects-Sales	08 9458 5700	08 9458 5595		0412 913 025
Fuel: The Shell Company of Australia Ltd 22 Bracks Street North Fremantle WA 6843 Ted Johns - National Trade Manager	09 432 1222	09 432 1234		
Supply Base: Toll Energy 654 Footscray Road West Melbourne, Vic, 3003 Phil Dent - Manager	03 9688 8325	03 9688 8340		0418 359 526
Palynology: Mr Alan Partridge, Biostrata Pty Ltd, 302 Waiora Road, Macleod, Vic., 3085.	03 9479 1517	03 9457 3888	03 9457 3888	none
Petrography: Kewdale WA 6105				
Core and Fluid Analysis/Geochem				

APPENDIX D

Drilling Rig, Vessels and Helicopter Details

543048

SEDCO 702

Semi-Submersible Drilling Unit

Vessel Specifications	**Design**	MODU (CSDU) Earl & Wright SEDCO 700
	Service Date	April 1973 - Major enhancement/refit 1992
	Classification	ABS Class - +A1 (E) (M) CSDU +PAS
	Registry/Flag	Liberia
	Length	295 ft
	Width	245 ft
	Main Deck Height	130 ft from keel to top of main deck
	Transit Draft	19 ft
	Operating Draft	85 ft
	Variable Load	
	Transit	1,500 st at 21 ft Draft
	Operating	3,325 st at 80 ft Draft
	Transit Speed	7 knots at transit draft
	Crew Quarters	104 certified berths available along with hospital facilities for 4 persons
	Rated Drilling Depth	25,000 ft
	Operating Water Depth	Currently equipped for 1,500 ft

Mooring System	**Anchors**	8 - Stevpris, 12 mt Each anchor combined with 4,300 ft of 3 inch chain
	Windlasses	Baylor, 1,000 kips hold, 500 kips stall
	Thrusters	4 - Pleuger/Baylor, each rated 1600 horsepower
	Environmental Capability	Operating : Wind : 70 knots Waves : 70 ft at 11.7 seconds Current : 2.4 knots Survival Wind : 100 knots Waves : 110 ft at 18.8 seconds Current : 2.4 knots

Storage Capacities	**Sack Material**	3,000 sacks
	Bulk Mud & Cement	15,400 cu.ft
	Liquid Mud	2,185 bbl
	Drill Water	8,700 bbl
	Potable Water	1,325 bbl
	Fuel	3,315 bbl
	Base Oil	3,315 bbl
	Brine	2,900 bbl

SEDCO 702 Semi-Submersible Drilling Unit

543049

Rig Equipment

Drawworks	Oilwell E-3000, input horsepower : 2,000
Derrick/Mast Capacity	Lee C Moore 185 ft rated 1000 kips static hook load
Main Power	3 - EMD 12-645E9; 2,875 hp each
Emergency Power	1 - Detroit Diesel 16V-71, rated at 350 kW Generator : Delco, 480 V, 60 HZ, 437 kVA, 350 kW
Power Conversion	SCR System : Baylor Rated at : 2,500 amps and 600 volts
Mud Pumps	3 - Oilwell A1700-PT, input horsepower : 1,600 each
High Performance Shale Shakers	3 - Thule VSM 100 3 - Brandt scalping shakers
Topdrive	Varco TDS 4S
Heave Compensator	Rucker; 400 kips, 18 ft stroke
Deck Cranes	2 - National OS-435 Rated : 55 st at 30 ft and 13 st at 120 ft max radius
Rotary Table	Oilwell; 49-1/2 inch with independent drive
Riser Tensioners	8 - Rucker; Capacity : 80 kips each, 50 ft line travel
Cementing Unit	Dowell Schlumberger; 15,000 psi with recirculating mixer
Burner Booms	None
Subsea TV System	Hydro Products WC-125 for 1,500 ft water depth
Communications	Marisat 'A' 1 - VHF Sailor radios RT2047 Inmarsat terminal 1 - Fax machine, Canon FAX270S 2 - Sailor SSB radios; one 600 watts PCP and one 250 watts PCP

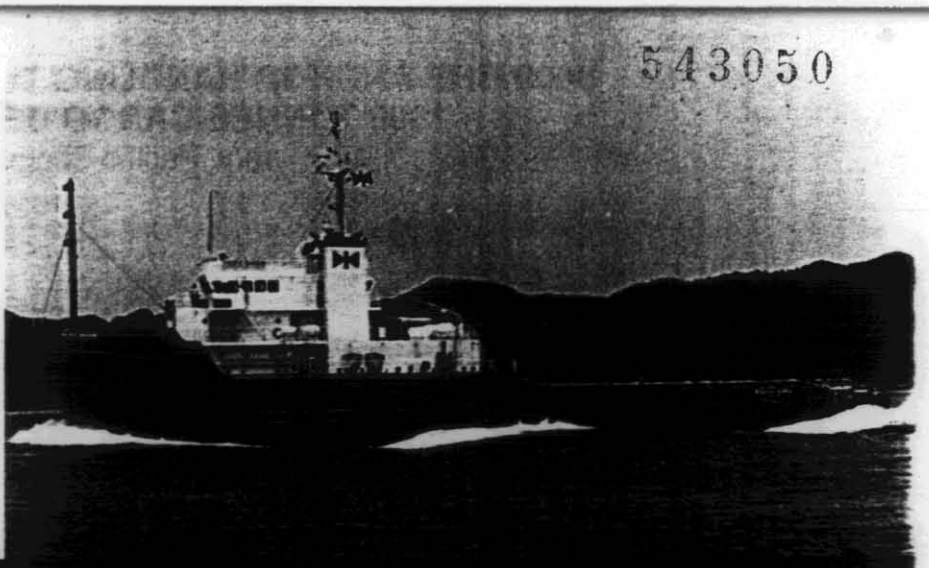
Blowout Preventer Equipment

Diverter	Hughes Regan KFDS-3, 47 inch, Pressure rating : 500 psi
Slip Joint	Hughes Regan, size : 26 inch OD by 20 inch ID, Stroke : 55 ft
Riser	Hughes Regan FD-8, integral riser Size : 21 inch, Length : 1,500 ft
Lower Marine Package	Two, NL spherical Size : 18-3/4 inch, Pressure rating : 5,000 psi, H2S Trim LMRP Connector : Cameron Collet
Blowout Preventers	Two, CIW Type U double Size : 18-3/4 inch, Pressure rating : 10,000 psi, H2S Trim Wellhead Connector : Cameron Collet
Choke Manifold	Cameron 3 inch, 10,000 psi, H2S Trim
BOP Control System	Koomey hydraulic Accumulator capacity : 1,500 gal.

Swire Pacific Offshore

SWIRE PACIFIC OFFSHORE

MARINE SERVICES TO THE OFFSHORE INDUSTRY



M.V. "PACIFIC SHOGUN"

9000 BHP Anchor Handling Tug Supply Vessel 1800 Tonnes Cargo Deadweight

BUILT:
Teraoka Shipyard Co Ltd., May 1982

FLAG:
Panama

CLASSIFICATION:
LS + A1 (Tug Supply Vessel) (E) + AMS Ice Class "C"

DIMENSIONS:

Length, overall:	64.00 m (210')	Breadth, moulded:	15.02 m (49' 3")
Depth, moulded:	6.50 m (21' 4")	Draft (Summer):	5.50 m (18')
GRT:	1797 tons	NRT:	539 tons

MACHINERY:

Main engines:	4 x 2250 BHP Yanmar 8Z280 diesel engines, total 9000 BHP, driving 2 x controllable pitch propellers in fixed Kort Nozzles
Bow thruster:	Kamome controllable pitch driven by Yanmar 600 BHP diesel engine developing 7 tonnes thrust
Electrical generators:	3 x 320 kw, 440V, 60 hz alternators driven by Yanmar S165UT diesel engines

SPEED AND CONSUMPTION:

Speed at 100% MCR:	14.5 kts
Speed at 85% MCR:	13.5 kts
Con at max. output:	Abt. 28 tonnes/day (4 engines) Abt. 14 tonnes/day (2 engines)
Con at econ MCR:	Abt 8.5 tonnes/day (2 engines)
Endurance:	4 Engines 10,500 nm at 13.5 kts. 2 Engines 17,000 nm at 12.5 kts.

TOWING AND ANCHOR HANDLING:

Bollard Pull:	110 tonnes at 110% MCR 10,000 BHP
Winch:	Nitchitsu Three drum electro-hydraulic waterfall winch, enclosed.
Pull Rating:	Low Gear: 200/100/40 tonnes x 6/12/18 m/min High Gear: 32/16 tonnes x 30/60 m/min
Brake Capacity:	300 tonnes
Drum Capacity:	1 x 1250 m x 64 mm wire rope 2 x 600 m x 72 mm wire rope
Chain Gypsies:	4 x 3" Rig Chain rated at 100 tonnes Pneumatic controls at local station & wheelhouse. Remote quick release device for all drums at wheelhouse.
Spare Tow Wire:	1 x 1200 x 64 mm wire powered storage reel.
Pennant Wire:	Drum capacity 1800 m x 64 mm wire rope
Stern Roller:	4.00 m x 2.0 m dia. (13' 1" x 6' 7") 210 tonnes SWL
Stern Gate:	Fitted in transom bulwark in way of stern roller
Rig chain locker:	Four (4) rig chain lockers, (2 x 84 m^3, 2 x 91 m^3) capable of stowing abt. 1200 metre of 3" rig chain.
Shark Jaw/Tow Pin:	Ulstein AHT 013 SWL 125 tonnes

EXTERNAL FIRE-FIGHTING:
Fitted with 480 m^3/hr x 120 m head fire pump with two monitors (400 l/min x 2 sets) on wheelhouse top. Integral foam and pollution dispersant tanks each 9.7 m^3 (2650 USG), dispersant can be fed through monitors using percentage mixer or through 2 x 6 m booms with direct suction pump. 500 micron droplets.

CAPACITIES:

Deck cargo:	700 tonnes	Fuel:	502 m^3
Clear deck space:	30 m x 12 m = 360m^2	Potable water:	373 m^3
Deck loading:	5.0 t/m^2		
Liquid mud:	332 m^3 (chain lockers x 4, 2000 bbls)		
Cargo deadweight:	1836 tonnes		
Drill/ballast water:	518 m^3		
Optional fuel/drill/pot:	728 m^3		
Cement/Bulk materials:	Smatco pnu-tanks 198 m^3 in 4 x 49.5 m^3 (7000 cu. ft.in 4 x 1750 cu. ft. tanks). Independently piped so that four different grades of bulk materials may be carried loaded or discharged simultaneously		
Refrigerated storage:	15.0 m^3 cooler/180.0 m^3 freezer		

DISCHARGE PUMPS:

Fuel oil:	120 m^3/hr at 60 m	Water:	120 m^3/hr at 60 m
Standby pump:	80 m^3/hr at 60 m		
Bulk materials:	Abt 40 tonnes/hr x 100 m distance x 30 m head (or 70 tonnes/hr total using combined compressors)		
Bulk compressors:	1 x 14 m^3/min at 5.67 kg/cm^2 (500 cfm x 80 psi) 1 standby 10 m^3/min at 5.67 kg/cm^2 (350 cfm x 80psi)		
Liquid mud:	720 BBL/hr, continuous circulation by Mission Magnum pump		

DECK EQUIPMENT:

Windlass:	2 x 17 tonne x 15 m/min electro-hydraulic. Max rating 25 tonnes.
Anchors:	2 x 1740 kg high holding power
Cables:	2 x 605 m x 36 mm (22 shackles x 1.4") chain
Deep water mooring:	2 x 1200 m x 38 mm wire 17/8 tonne x 15/30 m/min
Tugger Winch:	2 x 10 tonne x 15 m/min electro-hydraulic winches for handling deck cargo
Capstans:	2 x 10 tonne x 15 m/min electric capstans at stern

ACCOMMODATION:

Officers:	6 x 1 berth
Charterers:	2 x 4 berth
Crew:	5 x 2 berth
Total:	24 berths

All accommodation fully air-conditioned with duplicated machinery, for redundancy.

ELECTRONICS:

Radar:	2 x Furuno (72/48 mile)
Echo sounder:	Simrad ED 162 with digital readout
Auto Pilot:	Tokyo Keiki with Sperry ES11 gyro compass
SSB Radio:	Sailor R1119/T1127/S1301, 800W, 240 channels, fully synthesised, telex compatible. Furuno FS-1500, 150w, fully synthesised, telex compatible. Simrad RW105 2182 watch receiver.
VHF Radio:	Sailor RT 144B x 2 units
UHF Radio:	Air band: Jotron TR-6102
Anemometer:	Wind direction and speed indicator. Transceiver 4DW
Weather fax:	Furuno Type-D fax
Joystick:	Kamome MACS 100, connecting M.E. + Thruster + Rudders
Satnav:	Navstar 2000
Navtex:	Lo-Kata Navtex Receiver

P.A. system. T.V. & Video.

CALL SIGN: HO 6577

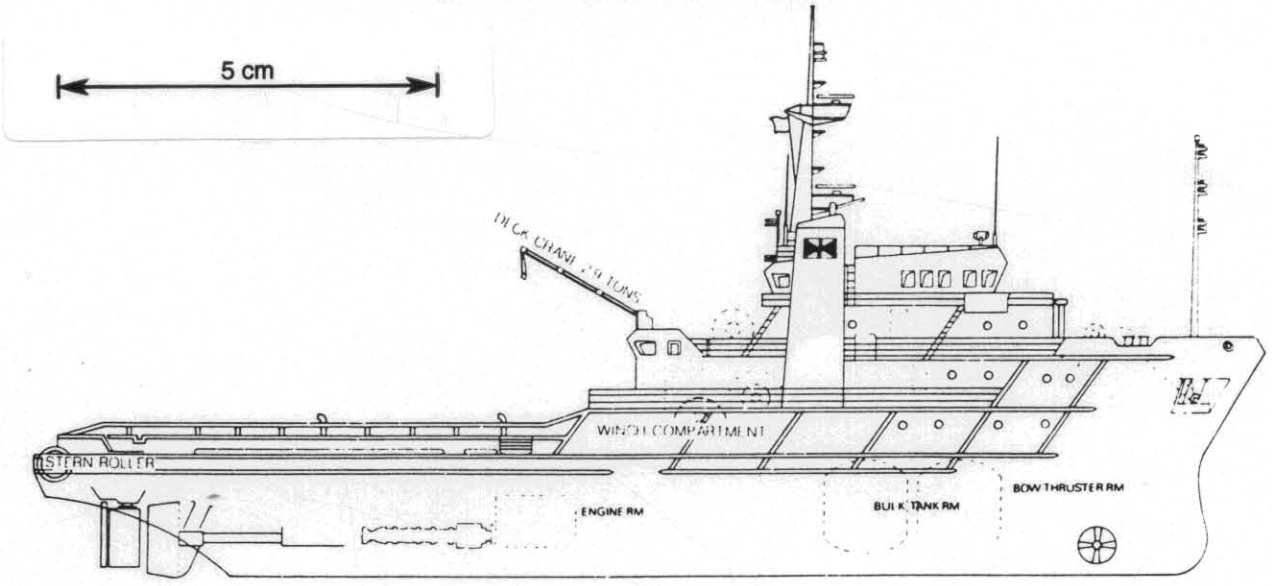
Life Saving:
McCorkill R5 ridged hull rescue boat w/twin 60 HP Yamaha outboard motors; 7 persons (solas) speed light 35 knots laden 28 knots. Bennex rescue basket type BRB2500. Extra lifejackets (50) & lifebuoys (25) for standby duties.

MISCELLANEOUS:
Wood sheathed main deck. Cargo control centre in wheelhouse, with Nitto Seiko liquid cargo flowmeters incorporating printout meters. Meters for ship's fuel consumption. Trailing flap rudders fitted for increased manoeuvrability. Sewage treatment unit for 40 persons. Zodiac inflatable workboat. The standby bulk compressor is modified for a primary role as deck air compressor delivering at 7.5 kg/cm^2 (105 psi). Gas detection system for H2S and combustuble gas. Remote closing system for forced draft intakes.

9000 BHP ANCHOR HANDLING TUG SUPPLY VESSEL
1800 TONNES CARGO DEADWEIGHT

m.v. Pacific Shogun

543051



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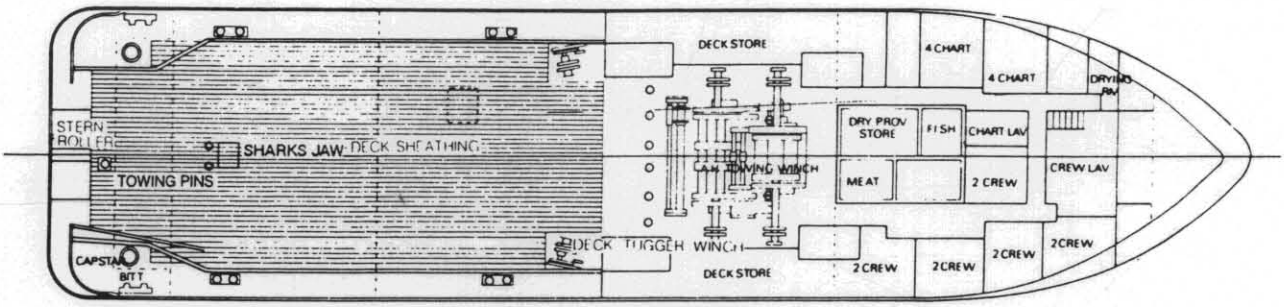
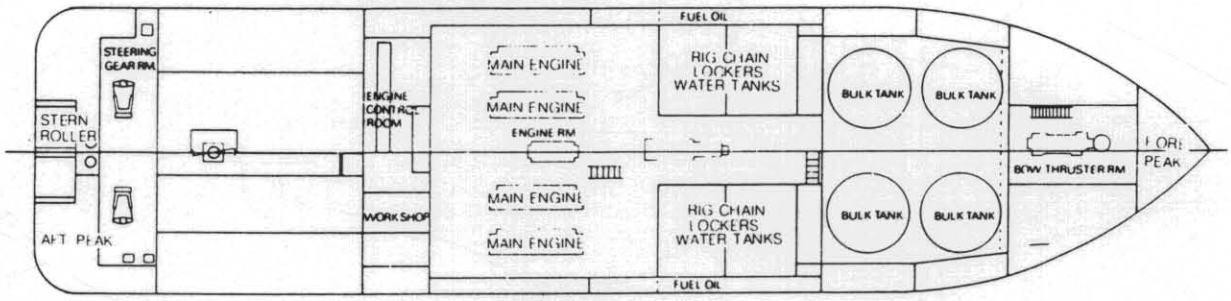
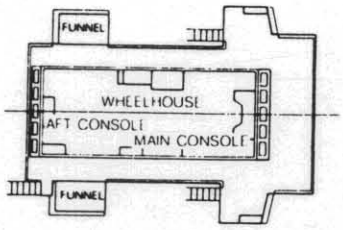


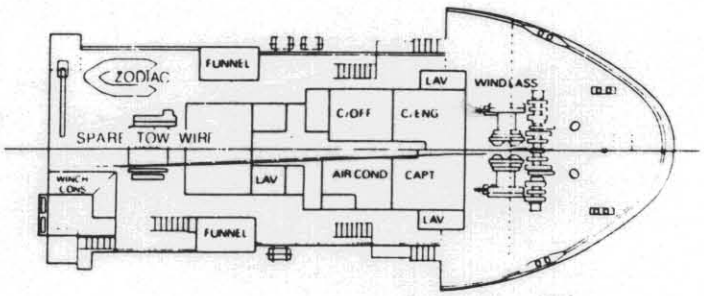
MAIN DECK PLAN



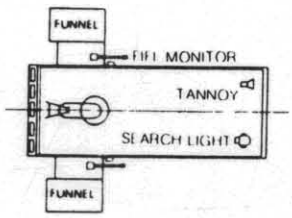
BOTTOM PLAN



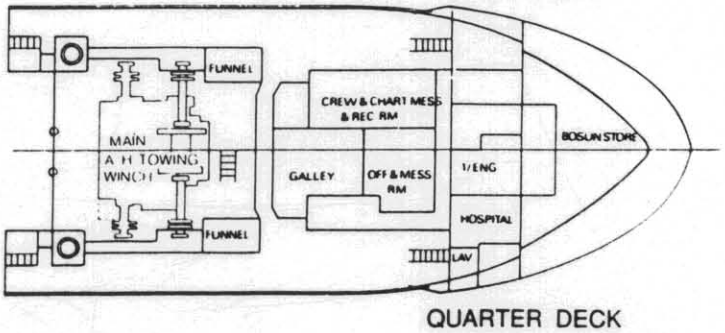
NAV. BRIDGE DECK



FO'C'SLE DECK



COMPASS DECK



QUARTER DECK

Swire Pacific Offshore

SWIRE PACIFIC OFFSHORE

MARINE SERVICES TO THE OFFSHORE INDUSTRY

M.V. "PACIFIC CHALLENGER 1"

9000 BHP Anchor Handling Tug Supply Vessel

BUILT:
lkenbergs Varv Ab, Sweden, 1983
pe VT704 Mk3

FLAG:
Panama

CLASSIFICATION:
DNV + 1A1 + mv Tug Supply (SF) EO

DIMENSIONS:

Length, overall:	64.40 m
Length, b.p.:	56.40 m
Breadth mid:	13.80 m
Depth mid:	6.90 m
Draft (max. loaded draft):	5.80 m
Freeboard:	abt. 1.10 m
GRT(tonnage):	1330 tons
NRT:	399 tons

MACHINERY:

Main Engines:	2 x 4500 BHP B & W ALPHA 16028 L-VO, Total 9000 BHP
Bow Thruster:	2 x 500 BHP developing a total of 11 tonnes thrust.
Generators:	Auxiliary: 2 x 225 Kva Shaft: 2 x 800 Kva 440v, 3 phase, 60 hz
Propellers:	2 x B & W ALPHA CPP
dders:	2 x Ulstein stern thrust. Effect of approx. 10 tonnes lateral thrust by applying individually operated rudders & propellers. Electronially synchronized steering gears can be operated independently in both manual & joy-stick manoeuvring mode.
Steering engines:	2 x TENFJORD

SPEED AND CONSUMPTION:

Max. speed:	15.6 kts At trial sd: 30.5 mt/day At 12 kts: 12.5 mt/day At 10 kts: 10.1 mt/day In port: 0.7 mt/day

TOWING AND ANCHOR HANDLING:

Bollard Pull:	110 tonnes
Winch:	Norwinch low pressure hydraulic, SWL 250 tonnes two drums; anchor handling/towing winches, powered by four hydraulic motors, with a brake load of 350 tons (1st layer), 222 tons (mid layer), 157 tons (top layer). Slack rope speed on 1st layer 0-5m/min at 250 tons 51.5 m/ min, mid layer 0.7-6 m/min at 158 tons 80.6 m/min, top layer 0-10.7 m/min at 112 tons 13.3 m/min. Capacity 1 x 1200 m x 64 mm wire.
Pennant Reel:	2 x 1000 m x 61 mm wire
Space Towing Wire:	1 x 1000 m x 64 mm wire
Shark Jaws:	1 x Ulstein, retractable
Towng Pins:	1 x Ulstein, retractable
Stern Rollers:	2.50 m x 3.60 m
Chain Lockers:	2 x 60 m^3 lockers

CAPACITIES:

Deck cargo:	700 tonnes
Clear deck space:	11 m 38 m = 418 m^2
Deck loading:	5 tonnes/m2
Cargo deadweight:	1860 tonnes (summer)
Displacement:	3214 tonnes (summer)
Fuel oil:	817m^3
Drilling water:	777.5m^3
Potabel water:	250m^3
Oil based mud:	320m^3 (2012 bbls at 2.0)
Brine:	235 m^3 (1478 bbls at 1.5)
Dry bulk tanks:	Smatco pnu tanks 170m^3 in 4 x 42.5 m^3 (6000 cu. ft.)

DISCHARGE PUMPS:
(Manufacturers: Alweiler)

Potable water:	1 x 100 m^3/hr at 70m. head
Drill water:	1 x 100 m^3/hr at 70 m. head
Fuel oil:	1 x 110 m^3/hr at 70 m. head
Oil based mud:	2 x 50 m^3/hr at 21 bar 5 Agitator pumps
Brine:	1 x 50 m^3/hr at 11 bar
Bulk:	Two compressors, type Ingersoll Rand, SSR 2000 Model 15L, seawater cooled. Cap. each comp. 15 cbm - 5.6 bar.

Oil spill combatant equipment for chemical dispersion is fitted.

DECK EQUIPMENT:

Deck crane:	1 x Hydralift 3.5 t at 7 m
Windlass:	Cables 34 mm. diameter 650 m Port, 850 m Stbd. Anchors 2 x 1400 kg.
Tugger winches:	2 x 10 tonnes
Capstans:	2 x 6 tonnes - 1 each side aft.

ACCOMMODATION:
- 7 single cabins
- 3 double cabins
- 1 passenger cabin - 6 berths
- 1 large hospital

ELECTRONICS:

Radars:	1 pc. LP FR - 85, 5 cm gyro stabilised 1 pc. LP LP-1011, 3 cm unstabilised 1 pc. Colour Radar Monitor 1 pc. Colour Videoplotter GD 2000 c/w control unit
Gyro:	1 pc. Anschutz
Autopilot:	1 pc. Anschutz
Echo Sounder:	1 pc. Furuno Furuno FE-881
Joystick:	Poscon
Navigation:	1 pc. Shipmate RS 5500 GPS statellite navigator 1 pc. Shipmate RS 4000 Decca navigator 1 pc. Furuno FD-521 VHF ADF direction finder 1 pc. Furuno FAX-208/AN weather facsimile receiver 1 pc. LO-KATA Navtex 2 navtex receiver
Radio Stations:	1 pc. Sailor 400/800 W main station 1 pc. Sailor C-401 VHF duplex with remote control 1 pc. Sailor RT-143 semi-duplex with remote control 1 pc. Sailor R-501 watch receiver 1 pc. Capsat Inmarsat-C transceiver

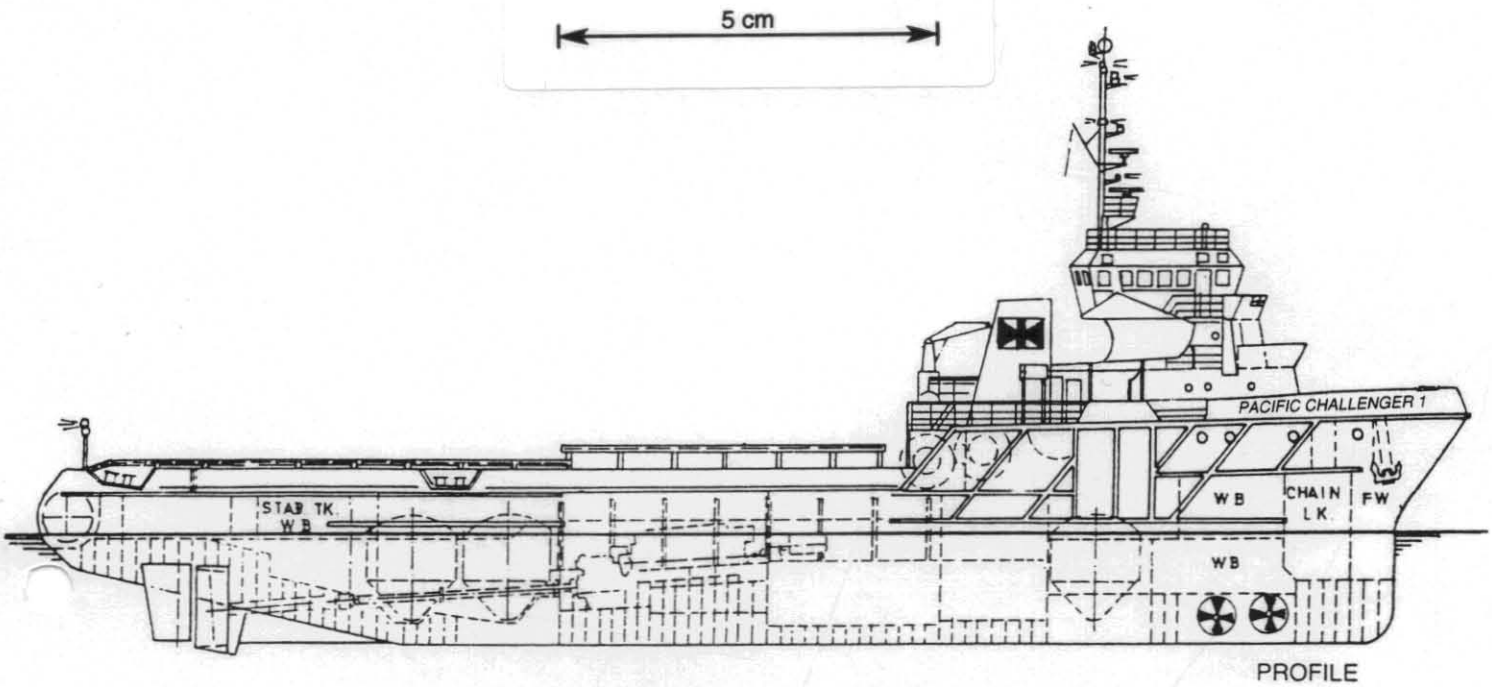
CALL SIGN
HP7670

INMARSAT NO:
435354510

9000 BHP ANCHOR HANDLING TUG SUPPLY VESSEL

m.v. Pacific Challenger 1

543053



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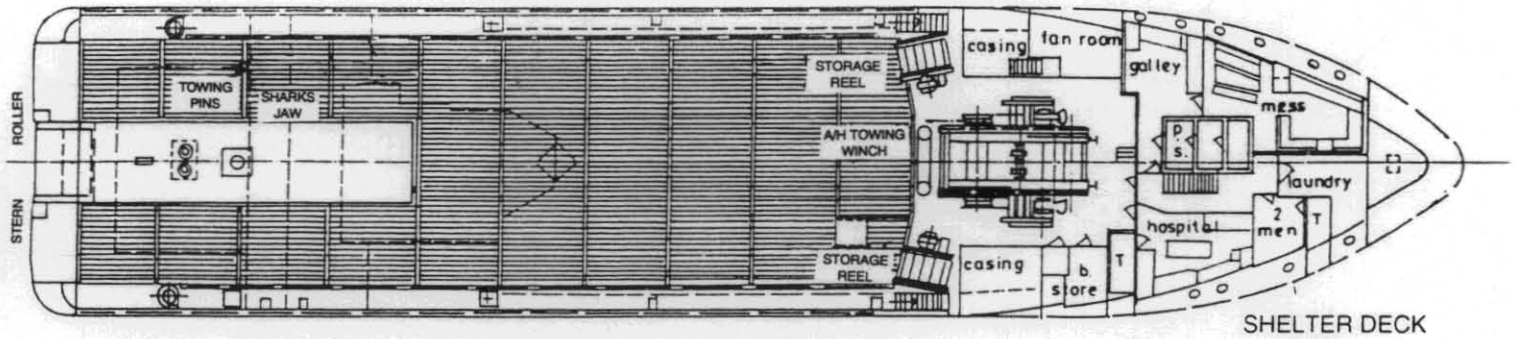

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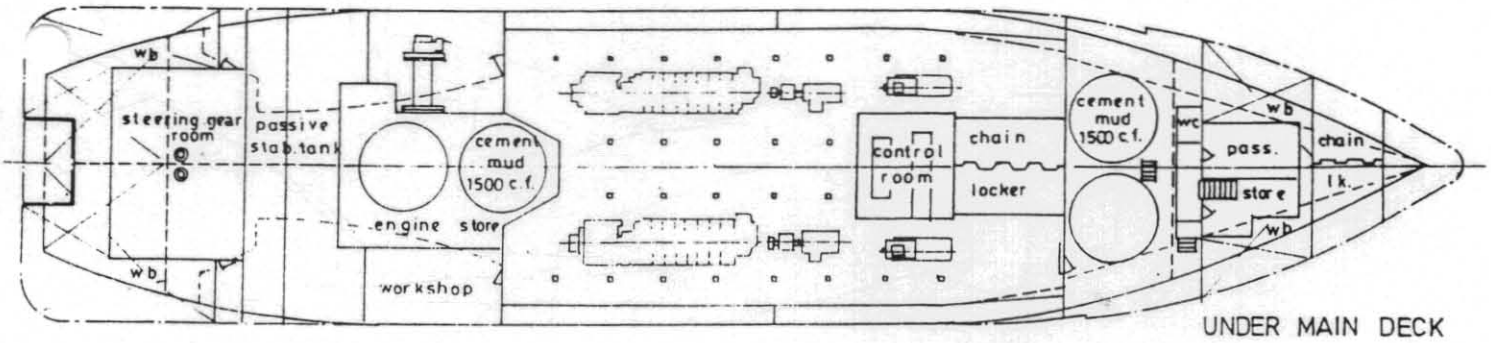
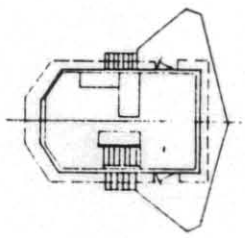
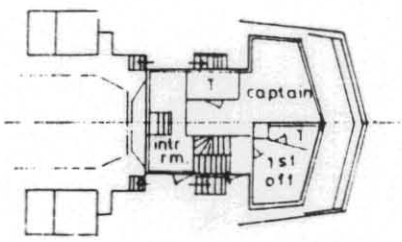


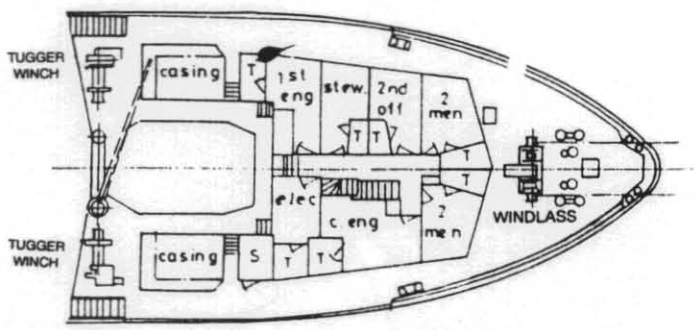
UNDER MAIN DECK



WHEEL HOUSE



BOAT DECK



FORECASTLE DECK

543054

AIRCRAFT SPECIFICATIONS

AIRCRAFT DESCRIPTION

Registration	:	VH-HUC
Model	:	SIKORSKY S-76 A+
Aircraft Serial Number	:	760011
Engine Type / Serial Number	:	ENGINE 1 - S/N TBA ENGINE 2 - S/N TBA
Year of Manufacture	:	1979

RADIO / NAVIGATION EQUIPMENT

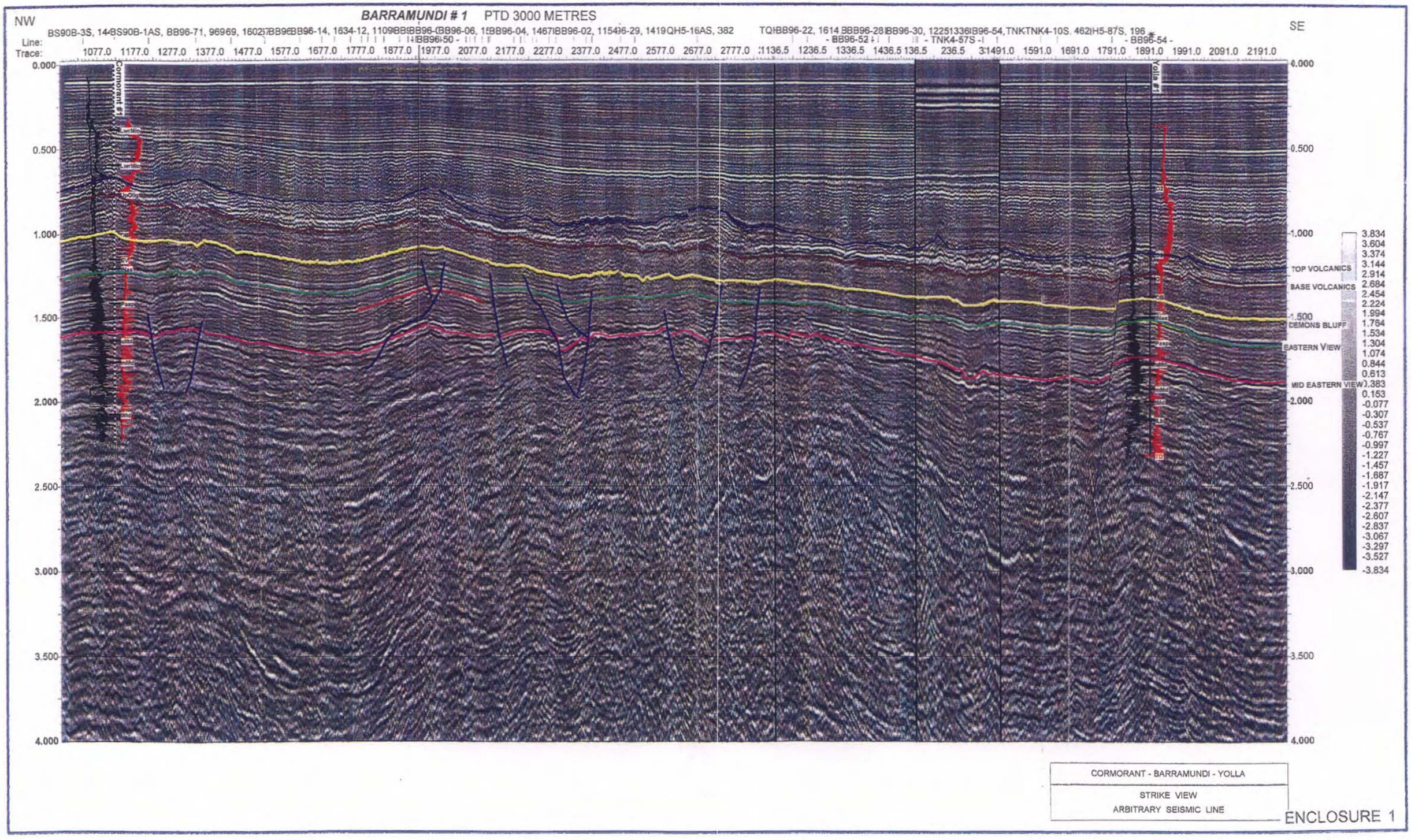
No. 1 VHF Comms Installation	:	COLLINS VHF-20
No. 2 VHF Comms Installation	:	COLLINS VHF-20
No. 1 VHF NAV Installation	:	COLLINS VIR-30
No. 2 VHF NAV Installation	:	COLLINS VIR-30
No. 1 ADF Installation	:	COLLINS ADF-60
No. 2 ADF Installation	:	COLLINS ADF-60
D.M.E. International Installation	:	COLLINS DME-40
HF Radio Installation	:	KHF950
Transponder Mode C Installation	:	COLLINS TDR-90
Audio Control Installation	:	3 X ANDREA A301
Emergency Locator Beacon	:	POINTER 3000-10 (TSO C91a)
Radio Altimeter Installation	:	COLLINS ALT-50
Weather Radar Installation	:	SPERRY PRIMUS 500
VHF Homer Installation	:	BEKKER ZVG-2002
Underwater Locator Beacon	:	DUKANE DK-100
GPS	:	TRIMBLE 2101 (TSO C129)

OTHER EQUIPMENT

Helipilot	:	HAMILTON STANDARD P3
Rescue Hoist	:	PROVISIONS
Cargo Hook	:	FITTED
Dual Controls	:	FITTED
Seating	:	12 PASSENGER UTILITY (DEPENDANT UPON CABIN CONFIGURATION)
Pop-Out Emergency Flotation	:	FITTED
2 x 9 Man Life Rafts	:	FITTED (NOT AUTOMATICALLY DEPLOYABLE)
Landing Light	:	FITTED
R/H Sliding Door	:	FITTED
Aux Fuel Tank	:	PROVISIONS
Cabin Luggage Compartment	:	PROVISIONS
Public Address System	:	P.A. (Orion CO-2300)

CHECKED BY ___Chris Schrapel_____ DATE _21 May, 1998

ENCLOSURES



CORMORANT - BARRAMUNDI - YOLLA

STRIKE VIEW
ARBITRARY SEISMIC LINE

ENCLOSURE 1

5 cm

OR- 453B

5 cm

Proposed Location

Far East

TOP EASTERN VIEW
Time Structure Map
C.I. = 0.020 sec

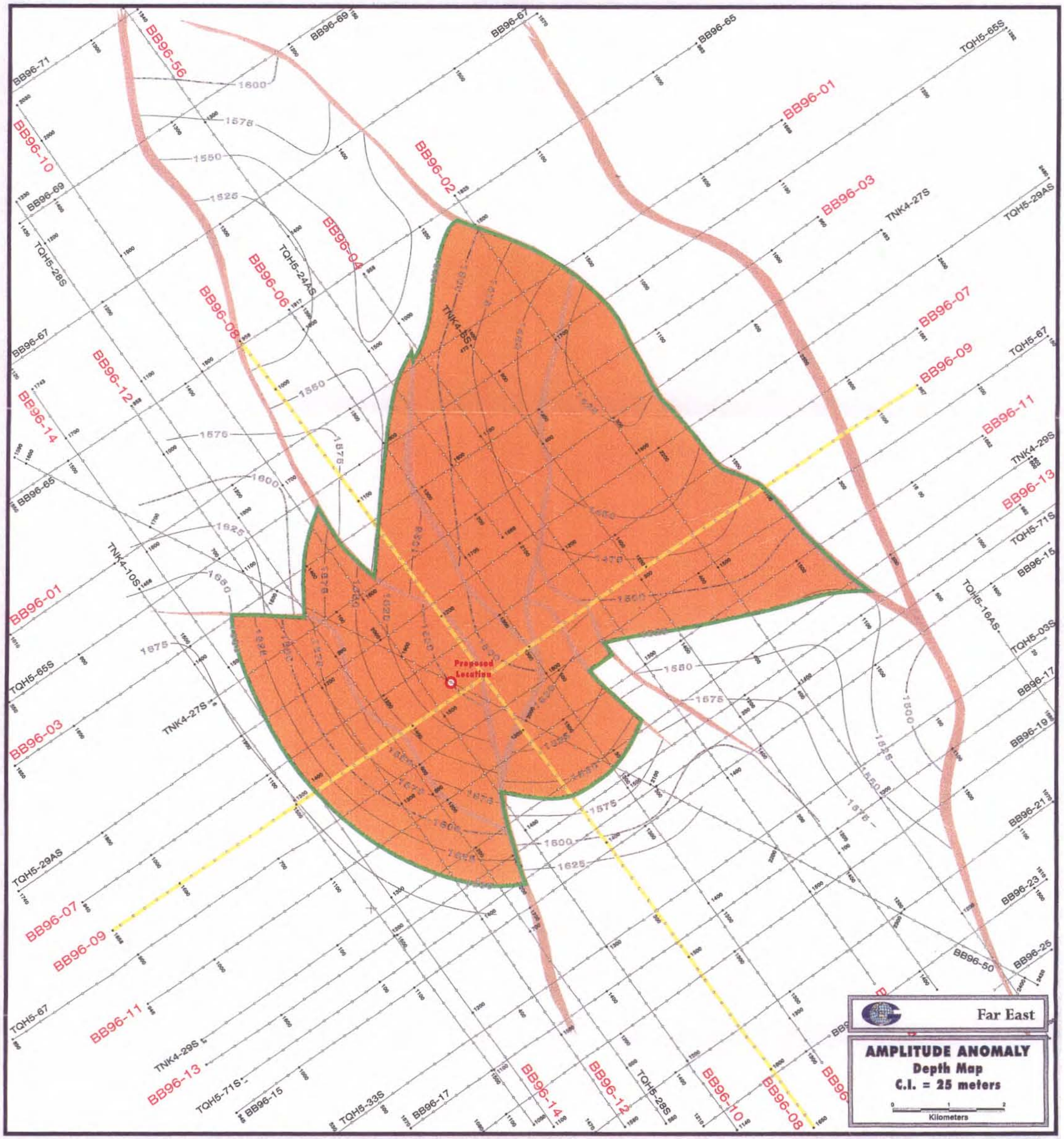
Kilometers

545058

OR-453B

ENCLOSURE 2

5 cm



ENCLOSURE 3

545059 OR-453B

NW BB96-14, 1636 BB96-01, 1140 TQH5-65S, 699 BB96-12, 1104 3BB96-03, 1429 QH5-28S, 939 TNK4-27S, 94 TQH5-29AS, 196 BB96-10, 1551 5-07, 1235 201 BB96-09, 1355 TQHBB96-08, 1285 BB96-11, 1286 TNK4BB96-06, 1521 5-13, 1299 SE

1940 *BARRAMUNDI #1*

PTD 3000 METERS

DEMON'S BLUFF

EASTERN VIEW

MIDDLE EASTERN VIEW

4.811
4.071
3.331
2.591
1.850
1.110
0.370
-0.370
-1.110
-1.850
-2.591
-3.331
-4.071
-4.811

5 cm

Line BB96-50, Amplitudes

11/02/98 10:38:26

OR-453B

ENCLOSURE 4

5450660

OR-453B

SW **NE**

BARRAMUNDI # 1

PTD 3000 METRES

SP: 1650.0 1600.0 1550.0 1500.0 1450.0 1400.0 1350.0 1300.0 1250.0 1200.0 1150.0 1100.0 1050.0 1000.0 950.0

0.100

1.000

2.000

EASTERN VIEW

MID EASTERN VIEW

DEEP EASTERN VIEW

4.773
4.039
3.305
2.570
1.836
1.102
0.367
-0.367
-1.102
-1.836
-2.570
-3.305
-4.039
-4.773

ENCLOSURE 5

LINE BB96-09
DIP DIRECTION

5 cm

545061

5 cm

OR-453B

NW **SE**

BARRAMUNDI # 1
PTD 3000 METRES

SP: 950.0 1000.01050.01100.01150.01200.01250.01300.01350.01400.01450.01500.01550.01600.01650.01700.01750.01800.0

0.100

1.000

2.000

EASTERN VIEW

MID EASTERN VIEW

DEEP EASTERN VIEW

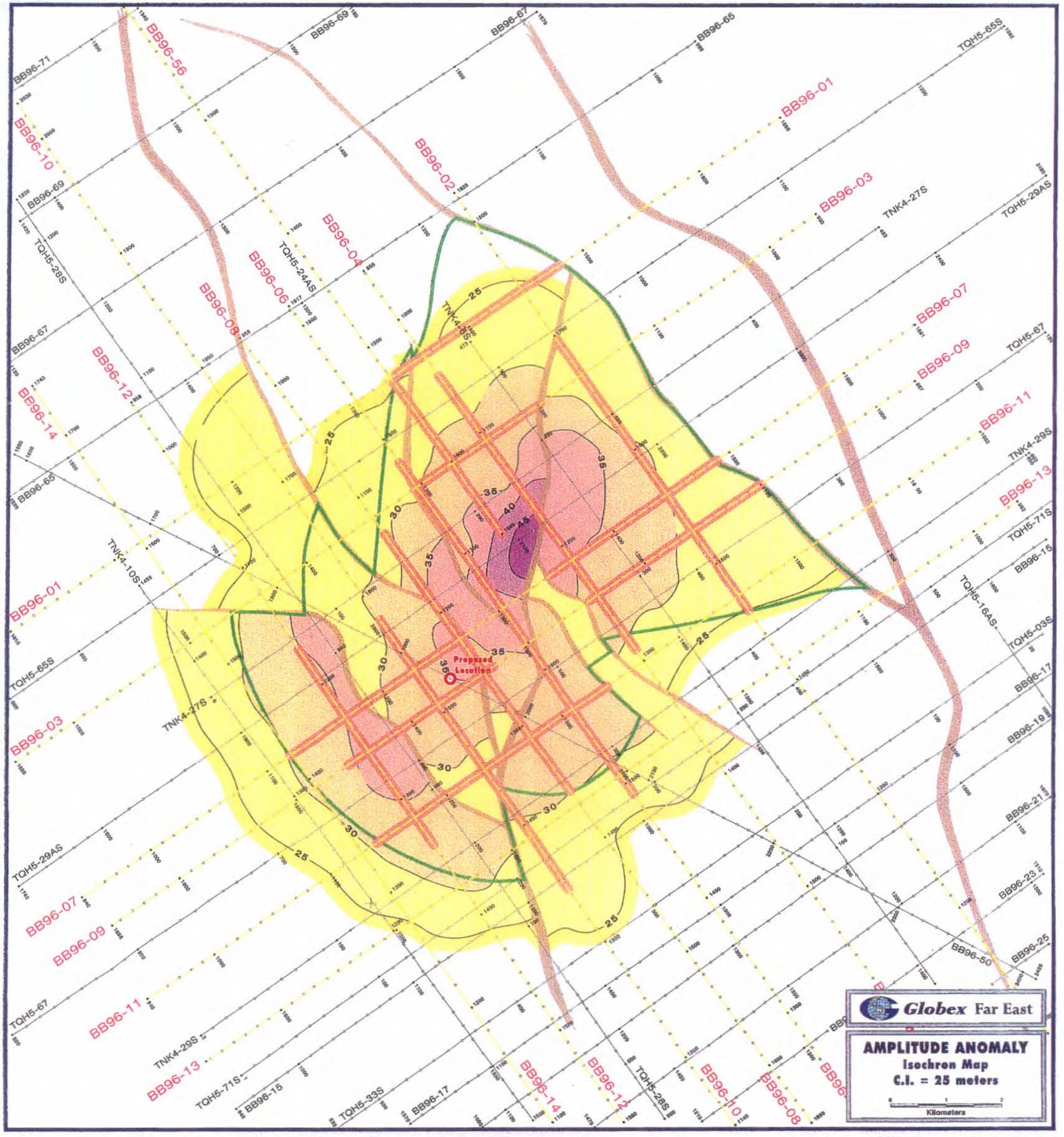
LINE BB96-08
STRIKE DIRECTION

4.773
4.039
3.305
2.570
1.836
1.102
0.367
-0.367
-1.102
-1.836
-2.570
-3.305
-4.039
-4.773

ENCLOSURE 6

545062

5 cm



545063

ENCLOSURE 7

ENCLOSURE 8.

BARRAMUNDI 1

Globex Far East
Emergency Response Plan
CONTACT DIRECTORY

543056

Table of Contents

8. Petroleum Exploration,Production Companies & Associations

26/11/98

1 Globex Far East Offices & Personnel

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
1.1 Geelong					
Globex Far East Geelong (IDD ++ 61 3)					
TBA	TBA				
1.2 Houston					
Globex Far East Houston (IDD ++ 1 713)					
TBA	TBA				
1.3 Kelly Down Consultants					
Kelly Down Consultants Sydney (IDD ++ 61 2)					
Switchboard	TBA				
1.4 Sedco Forex Australia Pty Ltd					
Sedco Forex Australia Pty Ltd Perth (IDD ++ 61 8)					
Switchboard	(08) 9321 5477 (24hrs)				(08) 9322 3110
Manager - Australia Division					
Munro, Don	(08) 9360 4831	(08) 9316 8891		0412 126 458	(08) 9322 3110
Technical / Operations Manager					
Burr, Gordon	(08) 9360 4832	(08) 9367 6908		0412 154 606	(08) 9322 3110
Rig Manager (Sedco 703)					
Civiello, Tom	(08) 9360 4829	(08) 9319 2534		0412 245 517	(08) 9322 3110
Rig Manager (Sedco 702)					
Myers, Richard	(08) 9360 4828	(08) 9364 4574	016 983 300	015 384 920	(08) 9322 3110 (08) 9364 4752 (a/h)
Personnel Administrator					
Nelson, Jaqui	(08) 9360 4827	(08) 9434 1185	(08) 9357 9582		(08) 9322 3110
Materials Supervisor					
Pereira, Joseph	(08) 9360 4837	(08) 9310 7522	016 983 829	0412 329 639	(08) 9322 3110

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.1 Federal Authorities					
ACF Coastal Surveillance					
Operations Room	1800 061 800 (02) 6275 6000 (24 hrs)				(02) 6275 6275
Switchboard	1800 061 800 (02) 6275 6000 (24 hrs)				(02) 6275 6275
Airservices Australia - Flight Services					
Adelaide (IDD ++ 61 8)					
Switchboard	(08) 8238 7838 (24 hrs)				(08) 8234 4174
Canberra (IDD ++ 61 2)					
Switchboard	1300 301 120				(02) 6268 5683
Australian Maritime Safety Authority					
Australia Search & Rescue (AusSAR) (IDD ++ 61 2)					
Operations Manager					
Neale, Bob	(02) 6279 5710				(02) 6279 5757
RCC - Aviation	(02) 6230 6899 (24 hrs)		1800 815 257 (24 hrs)		(02) 6230 6868 1800 622 153
RCC - Maritime	(02) 6230 6811 (24 hrs)		1800 641 792 (24 hrs)		(02) 6230 6868 1800 622 153
Devonport (IDD ++ 61 3)					
Switchboard	(03) 6424 1597				(03) 6424 8009
Marine Environment Protection Unit - Canberra (IDD ++ 61 2)					
General Manager					
Baird, David	(02) 6279 5935		(02) 6269 0843	0418 622 824	(02) 6279 5076
Operations Coordinator					
Beck, Greg	(02) 6279 5868		(02) 6269 0799	0418 623 353	(02) 6279 5076
Manager Operations					
Lipscombe, Ray	(02) 6279 5929		(02) 6269 0800	0418 633 107	(02) 6279 5076
Admin Clerk/PA					
Stiller, Cheryl	(02) 6279 5069				(02) 6279 5076
Switchboard	(02) 6279 5000		1800 641 792 (24 hrs)		(02) 6279 5757
Senior Project & Environmental Officer					
Wilde, Shayne	(02) 6279 5873			0419 484 446	(02) 6279 5076
Melbourne (IDD ++ 61 3)					
MacKay, Bob	(03) 9685 5757				

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.1 Federal Authorities					
Bureau of Air Safety Investigation (BASI)					
Melbourne (IDD ++ 61 3)					
Air Safety Investigator					
Sonneveld, John	(03) 9285 6676		1800 011 034 (24 hrs)		(03) 9285 6674
CSIRO - Division of Wildlife & Ecology					
Canberra (IDD ++ 61 2)					
Switchboard	(02) 6242 1600				(02) 6241 3343
Department of Agriculture, Fisheries & Forestry					
Canberra (IDD ++ 61 2)					
Switchboard	(02) 6272 3933				
Director Exploration Petroleum & Fisheries Div.					
Furnell, Geoff	(02) 6272 4695				(02) 6272 4137
Department Secretary					
Matthews, Ken	(02) 6272 4182				(02) 6272 4906
Special Advisor					
Murray, Mr. Gardner	(02) 6272 5848				(02) 6272 5697
Assistant Secretary, Exploration & Development					
Payne, Steve	(02) 6272 4595			0418 115 806 (24hrs)	(02) 6272 5542
Minister for Agriculture, Fisheries & Forestry					
Vaile, Senator Hon Mark	(02) 6277 7520				(02) 6273 4120
Department of Employment, Workplace Relations & Small Business					
Canberra (IDD ++ 61 2)					
Switchboard	(02) 6243 7333				(02) 6243 7508
Minister of Employment & Workplace Relations					
Reith MP, Mr. Peter	(02) 6277 7320				(02) 6273 4115
Department Secretary					
Shergold, Dr Peter	(02) 6243 7500				(02) 6243 7508

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.1 Federal Authorities					
Department of Environment & Heritage					
Canberra (IDD ++ 61 2)					
Switchboard	(07) 6274 1111				(07) 6274 1123
Department Secretary					
Beale, Mr. Roger	(02) 6274 1550				(02) 6274 1552
Minister for the Environment & Heritage					
Hill, Hon. Senator Mr. Robert	(02) 6277 7640				(02) 6273 6101
Telstra					
Mobile Satelite & Radio Services (MS&RS) (Darwin Radio) (IDD ++ 61 8)					
Officer in Charge					
Morgan, Brian	(08) 8981 5774 (24 hrs)				
Switchboard	(08) 8981 2103 (24 hrs)				(08) 8981 5018
2.2 Tasmanian State Authorities					
Department ~~of Environmental & Land Management~~	of Primary Industry, Water + Energy				
North West (IDD ++ 61 3)					
Switchboard	(03) 6458 1100 (03) 6458 1415			018 142 617	(03) 6458 1420
Prospect (IDD ++ 61 3)					
Northern Regional ~~Manager~~ Co-ordinator Parks & Wildlife					
Sallans, Steve	(03) 6336 5328			0418 129 468	(03) 6344 8109
Environmental Pollution Incidents & Complaints					
Tasmania (IDD ++ 61)					
Switchboard	1800 005 171 (24hrs)				
Fire Department					
Burnie (IDD ++ 61 3)					
Switchboard	(03) 6434 6700		000 (24 hrs)		(03) 6431 5264
Marine Board					
Tasmania (IDD ++ 61 3)					
Switchboard	(03) 6461 1155				

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.2 Tasmanian State Authorities					
Mineral Resources Tasmania					
Tasmania (IDD ++ 61 3)	Dr AV Brown ph 03 62 338343				
Managing Geologist / Director of Mines Bacon, Carol	(03) 6233 8326				(03) 6233 8338
Switchboard	(03) 6233 8333				(03) 6233 8338
Parks & Wildlife					
Burnie, TAS (IDD ++ 61 3)	Ulverstone				
Switchboard	(03) 6233 8011				
Police Headquarters					
Burnie (IDD ++ 61 3)					
Switchboard	(03) 6434 5211				
Hobart (IDD ++ 61 3)					
Switchboard	(03) 6230 2111				
Port Authorities					
Burnie (IDD ++ 61 3)					
Switchboard	(03) 6434 7300 (24hrs)				(03) 6434 7373
Devonport (IDD ++ 61 3)					
Harbor Authority	(03) 6424 0911		(03) 6424 0911		
Nasat Marine Supervisor	(03) 6424 0911				
State Security Service					
Tasmania (IDD ++ 61 3)					
Switchboard	(03) 6437 1274			0418 303 447	
2.3 Tasmanian Local Authorities					
Council					
Burnie (IDD ++ 61 3)					
Switchboard	(03) 6431 1033	(03) 6430 5799			(03) 6431 3896
Hobart Communications Centre					
Hobart (IDD ++ 61 3)					
Switchboard	(03) 6230 2111 (24hrs)				(03) 6230 2412
Police Headquarters					
Burnie (IDD ++ 61 3)					
Switchboard	(03) 6434 5211				
2.4 Victorian State Authorities					
Bureau of Meteorology					
Melbourne (IDD ++ 61 3)					
Switchboard	1900 1553 363				

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.4 Victorian State Authorities					
Conservation and Natural Resources					
Melbourne (IDD ++ 61 3)					
Switchboard	(03) 9637 8080				
Portland (IDD ++ 61 3)					
Switchboard	(03) 5523 3232	(03) 5523 4866 (03) 5523 1395			
Country Fire Authority (CFA)					
Mlebourne (IDD ++ 61 3)					
Switchboard	(03) 9262 8444		000 (24hrs)		
Department of Natural Resources & Environment, Agriculture, Energy & Minerals					
Melbourne (IDD ++ 61 3)					
Petroleum Engineer (Emergency Response)					
Arvidson, Graham	(03) 9412 5012	(03) 9782 4323			(03) 9412 5152
General Manager (Petroleum)					
Gardner, Ken	(03) 9412 7884			015 535 427	(03) 9412 5640
Manager (Minerals and Petroleum)					
King, Robert	(03) 9412 5069			015 360 773	(03) 9412 5152
Petroleum Geophysicist					
Megallaa, Maher	(03) 9412 5648				
Petroleum Geologist					
Mehin, Kourosh	(03) 9412 5659				
Principal Drilling Engineer					
Nadji, Ahmed	(03) 9412 5089	(03) 9848 2935		0412 110 997	(03) 9412 5152 (03) 9848 8905 (a/h)
Switchboard	(03) 9637 8000				
Manager Resources Assessment					
TBA	(03) 9412 5640				
Department of Natural Resources & Environment, Minerals & Petroleum					
Melbourne (IDD ++ 61 3)					
Minerals Business Centre	(03) 9412 5103				(03) 9412 5157
Reference Centre	(03) 9412 5146				

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.4 Victorian State Authorities					
Environmental Protection Authority					
Geelong (IDD ++ 61 3)					
Switchboard	(03) 5226 4825				
Melbourne (IDD 61 3)					
Duty Officer	(03) 9628 5777				
Emergency Response Coordinator	(03) 9628 5777		016 030 # 344 388		
Director of Commercial and Industry Services					
Monahan, Dennis	(03) 9628 5747	(03) 9438 1744			
Fire Department					
Melbourne (IDD ++ 61 3)					
Switchboard	(03) 9662 2311		000 (24hrs)		
Geelong Port					
Geelong (IDD ++ 61 3)					
Marine Controllers			(03) 5226 6300 (24hrs) (03) 5226 6341 (24hrs)		
Switchboard	(03) 5221 5855				
Marine Supervisor					
Trezise, Ian	(03) 5226 6220			0417 391 794	(03) 5221 6883
Marine Board of Victoria					
Melbourne (IDD ++ 61 3)					
Director, Marine Pollution and Navigation Safety					
Turnbull, Capt. John	(03) 9655 9783			017 815 838	(03) 9655 6611
Police Headquarters					
Melbourne (IDD ++ 61 3)					
	11 444		000 (24hrs)		
Port Authorities					
Melbourne (IDD ++ 61 3)					
Port Protective Services					
Cropley, Ben	(03) 9629 7994				(03) 9629 8656
National Parks and Reserves Branch	(03) 9412 4011	(03) 9412 4166			
Fisheries Branch					
Reilly, Steve	(03) 9412 4011	(03) 9412 4623			

2 Government Authorities, Australia

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
2.4 Victorian State Authorities					
State Emergency Service Geelong (IDD ++ 61 3)					
Switchboard	(03) 5226 4771				
Melbourne (IDD ++ 61 3)					
State Headquarters	(03) 9684 6659				
Switchboard	(03) 9890 0069				
Switchboard	(03) 9890 0069				
Victorian Channels Authority Melbourne (IDD ++ 61 3)					
Emergency/ Oil Pollution	(03) 9614 2861 (24hrs)				
Head Office	(03) 9612 3512				
Navigation Services Manager					
Muir, Tim	(03) 9612 3540	(03) 9808 5105	016 030 # 372 881	018 358 301	(03) 9612 3550
Paulusz, Charles	(03) 9612 3542	(03) 9580 5082		018 345 496	(03) 9612 3350
2.5 Victorian Local Authorities (Police & Shire Councils)					
City of Greater Geelong (IDD ++ 61 3)					
Switchboard	(03) 5227 0270				
Police Headquarters Geelong (IDD ++ 61 3)					
District Office	(03) 5225 3245		000 (24hrs)		
Melbourne (IDD ++ 61 3)					
Switchboard	(03) 9247 6666		000 (24hrs)		
Surfcoast Council Torquay (IDD ++ 61 3)					
Switchboard	(03) 5261 0600	0418 524 429 (24hrs)			

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.1 National Plan / State Combat Committee					
Australian Maritime Safety Authority					
Australia Search & Rescue (AusSAR) (IDD ++ 61 2)					
RCC - Aviation	(02) 6230 6899 (24 hrs)		1800 815 257 (24 hrs)		(02) 6230 6868 1800 622 153
RCC - Maritime	(02) 6230 6811 (24 hrs)		1800 641 792 (24 hrs)		(02) 6230 6868 1800 622 153
Marine Environment Protection Unit - Canberra (IDD ++ 61 2)					
General Manager					
Baird, David	(02) 6279 5935		(02) 6269 0843	0418 622 824	(02) 6279 5076
Operations Coordinator					
Beck, Greg	(02) 6279 5868		(02) 6269 0799	0418 623 353	(02) 6279 5076
Manager Operations					
Lipscombe, Ray	(02) 6279 5929		(02) 6269 0800	0418 633 107	(02) 6279 5076
Admin Clerk/PA					
Stiller, Cheryl	(02) 6279 5069				(02) 6279 5076
Switchboard	(02) 6279 5000		1800 641 792 (24 hrs)		(02) 6279 5757
Senior Project & Environmental Officer					
Wilde, Shayne	(02) 6279 5873			0419 484 446	(02) 6279 5076
Melbourne (IDD ++ 61 3)					
MacKay, Bob	(03) 9685 5757				
Geelong Port					
Geelong (IDD ++ 61 3)					
Marine Controllers			(03) 5226 6300 (24hrs) (03) 5226 6341 (24hrs)		
Switchboard	(03) 5221 5855				
Marine Supervisor					
Trezise, Ian	(03) 5226 6220			0417 391 794	(03) 5221 6883
3.2 AMOSPlan					
Apache Energy Ltd					
Perth (IDD ++ 61 8)					
Lake, Bruce	(08) 9422 7206		(08) 9480 9999 #62296	0419 936 527	(08) 9422 7445
BHP GEMCO					
Groote Eylandt (IDD ++ 61 8)					
Murgatroyd, David	(08) 8987 4272				(08) 8987 4202

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.2 AMOSPlan					
BHP Petroleum					
Darwin (IDD ++ 61 8)					
Shine, Mike	(08) 8922 1143	(08) 8985 5542	016 080 # 819 174	0418 894 637	(08) 8984 4139
Perth (IDD ++ 61 8)					
Beverley, Colin	(08) 9278 4766	(08) 9368 0219		0417 332 600	(08) 9278 4880
BP					
Brisbane (IDD ++ 61 7)					
Donaldson, Daryl	(07) 3243 7212				
Broome (West Kimberley Fuels) (IDD ++ 61 8)					
Fuel Emergency			1800 093 313		
Distributor Manager					
Power, David	(08) 9192 1357	(08) 9193 6115		0417 959 192	(08) 9192 1450
Darwin (IDD ++ 61 8)					
Operations Manager					
Neelands, Larry	(08) 8946 8901			0418 327 284	(08) 8946 8940
Geraldton (IDD ++ 61 8)					
Bishop, Alan	(08) 9921 1266			0419 332 690	(08) 9921 8449
Kwinana (IDD ++ 61 8)					
Skelton, Mark	(08) 9419 0402			0419 907 989	(08) 9439 2110
Port Hedland (IDD ++ 61 8)					
Edwards, Brett	(08) 9173 1422		016 944 081 #016 090	019 376 324	(08) 9173 2030
BP (South East Petroleum)					
Esperance (IDD ++ 61 8)					
Harris, Grant	(08) 9071 1065			0418 935 266	(08) 9071 4413
Caltex					
Albany (IDD ++ 61 8)					
Hamilton, Chris	(08) 9842 2905			014 905 752	(08) 9842 2704
Brisbane (IDD ++ 61 7)					
Snell, Alan	(07) 3362 7221			0411 336 635	(07) 3362 7310
Esso Australia Ltd (EAL)					
Melbourne (IDD ++ 61 3)					
Borghesi, Gerry	(03) 9270 3637		016 030 #581 894	0418 514 867	(03) 9270 3794
Fields, Charles	(03) 9270 3413			0419 390 060	(03) 9270 3495
Grundy, Stu	(03) 9270 2623		016 030 #581 895	0418 514 857	(03) 9270 3972
Nolan, Mark	(03) 9270 3613	(03) 9813 4778	016 030 # 335 236	0418 548 343	(03) 9270 3692
Sikkel, Mark	(03) 9270 3409			0419 309 063	(03) 9270 3495

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.2 AMOSPlan					
Mobil Exploration Australia (Wandoo Production Lines)					
Perth (IDD ++ 61 8)					
Wilson, George	(08) 9480 0301		(08) 9480 4053	018 162 258	(08) 9480 0318
Mobil Oil Australia					
Darwin (IDD ++ 61 8)					
Chief Engineer					
Winton, David	(08) 8981 5199			0418 803 231	(08) 8981 3236
Melbourne (IDD ++ 61 3)					
Williams, Michael	(03) 9286 5520		(03) 9483 0083		(03) 9286 5577
Wyndham (IDD ++ 61 8)					
McClymans, Peter	(08) 9161 1070				(08) 9161 1338
Nabalco Pty Ltd					
Darwin (IDD++ 61 8)					
Grimmond, Doug	(08) 8987 5375				(08) 8987 5215
Switchboard	(08) 8987 5211				
Novus West Australia Pty Ltd					
Perth (IDD ++ 61 8)					
Herrera, Glen	(08) 9486 7700	(08) 9306 0979	(08) 9324 4813	0411 757 874	(08) 9486 9800
Santos Ltd					
Darwin (IDD++ 61 8)					
Wood, Alex	(08) 8947 2373				(08) 8947 2385
Shell (Burrows Petroleum)					
Geralton (IDD ++ 61 8)					
Burrows, Mike	(08) 9964 2642			018 939 844	(08) 9964 2288
Shell (BW Cole)					
Broome (IDD ++ 61 8)					
Higgins, Paul	(08) 9192 1314			0417 321 411	(08) 9192 1586
Shell (Great Western Petroleum)					
Albany (IDD ++ 61 8)					
Sutherland, Jeremy	(08) 9842 2333			014 409 839	(08) 9842 2355

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.2 AMOSPlan					
Shell Company of Australia Ltd					
Brisbane (IDD ++ 61 7)					
Thick, Phil	(07) 3364 5330			0418 103 343	(07) 3334 5471
Dampier (IDD ++ 61 8)					
Kozjak, Gary	(08) 9183 1688	(08) 9144 2829		015 190 780	(08) 9183 1739
Darwin (IDD ++ 61 8)					
Anderson, Peter	(08) 8946 1223		(08) 8980 7111 #70214	018 892 906	(08) 8981 3960
Esperance (IDD ++ 61 8)					
Carland, Jane	(08) 9071 2114			0417 512 585	(08) 9071 3788
Geelong (IDD ++ 61 3)					
Grose, Ian	(03) 5273 8466			0417 394 175	(03) 5273 8215
Groote Eylandt (IDD ++ 61 8)					
Anderson, Ron	(08) 8987 4239				(08) 8987 6732
North Fremantle (IDD ++ 61 8)					
McIntyre, Archie	(08) 9432 1411				(08) 9432 1497
Wyndham (IDD ++ 61 8)					
Middap, Lindsay	(08) 9161 1360				(08) 9161 1149
WAPET					
Barrow Island (IDD ++ 61 8)					
Charko, Ben	(08) 9184 3730	(08) 9184 3762		(08) 9324 4745	(08) 9184 3799
Thevenard Island (IDD ++ 61 8)					
Latto, Alan	(08) 9184 3822				(08) 9184 3899
Woodside Offshore Petroleum Pty Ltd					
Karratha (IDD ++ 61 8)					
Marine Superintendent Karratha					
Ramshaw, George	(08) 9158 7110		016 943 759	0419 042 016	(08) 9158 7012
Switchboard	(08) 9158 8100 (24 hrs)				(08) 9158 8000
3.3 AMOSC					
AMOSC (Australia Marine Oil Spill Centre)					
Geelong (IDD ++ 61 3)					
Switchboard	(03) 5272 1555				(03) 5272 1839
Manager / Overall Industry Coordinator					
Blackmore, Don	(03) 5272 1555		016 379 328	0418 398 363	(03) 5272 1839
Duty Officer	(03) 5272 1555		016 379 328 (24 hr)		(03) 5272 1839

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.4 Oilmap Spill Trajectory Model					
Australian Institute of Marine Science (AIMS)					
Townsville (IDD ++ 61 7)					
Experimental Scientist					
King, Dr. Brian	(07) 4753 4268			0419 763 060 (24hrs)	(07) 4772 5852
Experimental Scientist					
McAllister, Felicity	(07) 4753 4381			0417 624 570	(07) 4772 5852
BHP Petroleum					
Melbourne (IDD ++ 61 3)					
Environmental Officer					
Wilson, Darren	(03) 9652 7323	(03) 9531 7743			(03) 9652 6723
BHP Transport					
Melbourne (IDD ++ 61 3)					
Principal Environmental Officer					
Wilson, Lynda	(03) 9609 2989	(03) 9337 6635	132 222 # 373 000	0419 363 549	(03) 9609 2268
GEMS					
Melbourne (IDD ++ 61 3)					
Oil Spill Trajectory Modelling Consultant					
Hubbert, Dr. Graeme	(03) 9712 0016			0418 366 336 (24 hrs)	(03) 9712 0017
Perth (IDD ++ 61 8)					
Oil Spill Trajectory Modelling Consultant					
Langtry, Scott	(08) 9378 3136			0414 827 754	(08) 9378 3136
3.5 Oil Spill Operations & Management Specialists					
Altona Marine					
Melbourne (IDD ++ 61 3)					
Manager					
Pelns, Alf	(03) 9398 2026			0419 566 250 (24hrs)	(03) 9389 2026
Capricorn Environmental Consultants					
Yepoon (IDD ++ 61 7)					
Switchboard	(07) 4939 4711 (24hrs)				(07) 4939 4769
Principle Consultant					
Hayes, Terry	(07) 4939 4711			019 631 206	(07) 4939 4769
Esso Australia Ltd (EAL)					
Offshore (IDD ++ 61 3)					
Relief Supervisor Southbank					
Chable, Lou	(03) 5142 2700 (03) 5142 2705	(03) 9840 1419		0411 489 272	

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.5 Oil Spill Operations & Management Specialists					
Oops Inc **Louisiana USA (IDD ++ 1 504)**					
Switchboard	(504) 368 9845				(504) 368 0630
Managing Director					
O'Brien, Jim	(504) 368 9845 (24 hrs)				(504) 368 0630
Qest Consulting Group **Melbourne (IDD ++ 61 3)**					
Switchboard	(03) 9614 4133				(03) 9614 5133
Director					
Rigby, Gary	(03) 9614 4133	(03) 5278 3121		0417 313 610	(03) 9614 5133 (03) 5277 2303 (a/h)
3.6 Oil Spill Environment & Cleanup Specialists					
Dames & Moore **Melbourne (IDD ++ 61 3)**					
Ecology Adviser					
Gwyther, David	(03) 9510 5050	(03) 5250 1070		015 840 993	(03) 9510 5850
Esso Australia Ltd (EAL) **Melbourne (IDD ++ 61 3)**					
Switchboard	(03) 9270 3333				(03) 9270 3995 (mail room)
Environmental Advisor					
Terrens, Greg	(03) 9270 3509	(03) 9584 5550	016 030 # 312 023		(03) 9270 3590
Jenifer Baker **United Kingdom (IDD ++ 44 1)**					
Baker, Jenifer	delete				743 360 201
Switchboard	delete				743 360 201
OCC **Seatle, Washington. USA (IDD ++ 1 206)**					
President					
Owens, Ed	(206) 842 2951	(206) 842 6255			(206) 842 2861
Switchboard	(206) 842 2951				(206) 842 2861
Wardrop Consulting **Melbourne (IDD ++ 61 3)**					
Wardrop, John		(03) 5282 4074 (03) 5282 3075		0417 536 162	(03) 5282 5076

Emergency Response Plan
CONTACT DIRECTORY

3 Oil Spill Agencies & Specialists

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
3.7 Other Agencies					
EARL (East Asia Response Ltd) Singapore (IDD ++65) 2 Jalan Samulun Singapore 2262					
Switchboard / Duty Officer	266 1566 (24hrs)				266 2312
Oil Spill Response (OSR) Ltd Southampton UK (IDD ++ 44 1703) Lower William Street Southampton SO14 5 QE England					
Switchboard	(1703) 331 551 (24hrs)				(1703) 331 972 (24hrs)
3.8 Bird Rehabilitation					
Fauna Rehabilitation Foundation Perth (IDD ++ 61 8)					
Switchboard	(08) 9249 3434 (24hrs)				
Penguin Parade Phillip Island (IDD ++ 61 3)					
Switchboard	(03) 5956 8300				(03) 5956 8394
Toronga Park Zoo Sydney (IDD ++ 61 2)					
Switchboard	(02) 9969 2777		Security (02) 9925 3911 # 299 011		(02) 9969 7515
Senior Curator					
Waldraven, Erna	(02) 9978 4609	(02) 9807 3558		019 129 956	(02) 9978 4613
Alternate					
Hall, Libbi	(02) 9978 4751	(02) 9907 9496			(02) 9978 4516

4 Medical Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
4.1 Ambulances					
Ambulance					
Melbourne (IDD ++ 61 3)					
Emergency			000 (24hrs)		
4.2 Hospitals					
Hospital					
Alfred Hospital (IDD ++ 61 3)					
Commercial Road, Prahan.					
Switchboard	(03) 9276 2000		(03) 9276 3405		
Admitting Officer	(03) 9276 2053 (03) 9276 2065				(03) 9276 6063
Melbourne Coordinator					
Trauma Centre	(03) 9276 2001				
Epworth, Melbourne (IDD ++ 61 3)					
Switchboard	(03) 9426 6666		(03) 9426 6302		
Geelong (IDD ++ 61 3)					
Ryrie Street, Geelong					
Switchboard	(03) 5226 7111		(03) 5226 7564		
Launceston General (IDD ++ 61 3)					
Switchboard	(03) 6332 7111				
North West Regional, Burnie (IDD ++ 61 3)					
Switchboard	(03) 6430 6666				
St John of God Hospital, Geelong (IDD ++ 61 3)					
Switchboard	(03) 5226 8888				
4.3 Doctors					
Doctors					
Geelong (IDD ++ 61 3)					
TBA	TBA				
Melbourne (IDD ++ 61 3)					
73 Erin St, Richmond, VIC. 3121					
Freeman, Dr. Bella	(03) 9428 1645	(03) 9853 2269		0418 548 914	(03) 9428 1645 (03) 9853 2501
Health Centre					
Wynyard (IDD ++ 61 3)					
Switchboard	(03) 6442 2282				

5 Contractor & Service Companies

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
5.1 Drilling Contractors - Offshore					
Atwood Oceanics Australia Pty Ltd					
Perth (IDD ++ 61 8)					
Switchboard	(08) 9331 2099				(08) 9337 1383
Manager					
Vinton, Terry	(08) 9331 2099	(08) 9284 4848		0418 948 120	(08) 9337 1383 (08) 9284 4849 (a/h)
Deep Sea Drilling Pty Ltd					
Darwin (IDD ++ 61 8)					
Operations Administrator					
McDonald, Peter	(08) 8947 1335				
Regional Manager					
Pittman, Evert	(08) 8947 1335	(08) 89823724			
Operations Superintendent					
Smith, Terry	(08) 8947 1335	(08) 8945 4251		018 514 412	
Switchboard	(08) 8947 1335				(08) 8947 2076
Diamond Offshore General Company Pty Ltd					
Darwin (IDD ++ 61 8)					
Materials Logistics					
Jacob, Darryl	(08) 8984 3313			0419 821 986	(08) 8984 3958
Inmarsat (IDD ++)					
Ocean Epoch	872 135 4362 873 135 4362				872 135 4362 873 135 4362
Perth (IDD ++ 61 8)					
Area Manager					
Dew, Lyndol	(08) 9481 8333	(08) 9332 5257		0419 808 657	(08) 9481 8103
Materials Manager					
Mouton, Avery	(08) 9481 8333	(08) 9331 6006		0418 942 331	(08) 9321 2282
Rig Manager (Ocean Bounty)					
O'Neill, Tom	(08) 9481 8333	(08) 9445 9736		0418 587 844	(08) 9481 8103
Rig Manager (Ocean Epoch)					
Phil, Toby	(08) 9481 8333				(08) 9481 8103
Switchboard	(08) 9481 8333				(08) 9481 8103
Rig Engineer					
Watson, Jim	(08) 9426 9146	(08) 9414 7294		0416 326 303	(08) 9481 8103
Occupational Health and Safety Coordinator					
Webster, Nick	(08) 9481 8333	(08) 9371 1549		0417 901 116	(08) 9481 8131
Reading and Bates					
Perth (IDD ++ 61 8)					
Drilling Superintendent					
O'Shea, Blue	(08) 9481 7233			0409 089 941	(08) 9481 7244
Switchboard	(08) 9481 7233				(08) 9481 7244

5 Contractor & Service Companies

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
5.1 Drilling Contractors - Offshore					
Sedco Forex Australia Pty Ltd Perth (IDD ++ 61 8)					
Technical / Operations Manager					
Burr, Gordon	(08) 9360 4832	(08) 9367 6908		0412 154 606	(08) 9322 3110
Rig Manager (Sedco 703)					
Civiello, Tom	(08) 9360 4829	(08) 9319 2534		0412 245 517	(08) 9322 3110
Manager - Australia Division					
Munro, Don	(08) 9360 4831	(08) 9316 8891		0412 126 458	(08) 9322 3110
Rig Manager (Sedco 702)					
Myers, Richard	(08) 9360 4828	(08) 9364 4574	016 983 300	015 384 920	(08) 9322 3110 (08) 9364 4752 (a/h)
Personnel Administrator					
Nelson, Jaqui	(08) 9360 4827	(08) 9434 1185	(08) 9357 9582		(08) 9322 3110
Materials Supervisor					
Pereira, Joseph	(08) 9360 4837	(08) 9310 7522	016 983 829	0412 329 639	(08) 9322 3110
Switchboard	(08) 9321 5477 (24hrs)				(08) 9322 3110

6 Aircraft Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
6.1 Helicopters					
Apache Energy Ltd					
Vuranus Island (IDD ++ 61 8)					
Switchboard	(08) 9422 7222	(08) 9422 7300 (24hrs)			(08) 9422 7318
Argyle Diamond Mines	(for Pearl Aviation)				
(IDD ++ 61 8)					
Switchboard	(08) 9167 1452				(08) 9167 1398 (08) 9167 1399 (admin)
Bristow Helicopters					
Darwin (IDD ++ 61 8)					
Engineer in Charge					
Cameron, Mal	delete	(08) 8941 8383		019 106 671	(08) 8945 4274
Hanger	(08) 8945 4310	(08) 8981 7180			(08) 8945 4274
Engineer in Charge					
Jones, Dick	(08) 8945 4310	(08) 8941 8383		019 106 671	(08) 8945 4274
Pilot in Charge					
Pullford, Rod	(08) 8945 4310	(08) 8981 7180		0419 822 133	(08) 8945 4274
Karratha (IDD ++ 61 8)					
Check in	delete				(08) 9144 2028
Switchboard	(08) 9185 2022				(08) 9144 2028 (08) 9185 6550 (Heliport)
Perth (IDD ++ 61 8)					
General Manager					
Johns, Phil	(08) 9478 3388	(08) 9277 3030		0419 930 081	(08) 9478 3844
Switchboard	(08) 9478 3388				(08) 9478 3844
Fishermans Co-op					
Geraldton (IDD ++ 61 8)					
Radio Operator					
Reynolds, Brett	(08) 9921 1022				(08) 9921 8019
Switchboard	(08) 9921 1022				(08) 9921 8019
Helicopter Resources					
Pyap, VIC (IDD ++ 61 3)					
Switchboard	(03) 5977 4506 (24 hrs)				(03) 5977 4491
Helicopters Australia					
Perth (IDD ++ 61 8)					
Switchboard	(08) 9277 8399 (24 hrs)				(08) 9479 1008
Manager					
Troup, Dennis	(08) 9277 8399 (24hrs)			0408 428 658	(08) 9479 1008

6 Aircraft Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
6.1 Helicopters					
Hellwork					
Kununurra (IDD ++ 61 8)					
Operations Manager					
James, Howard	(08) 9168 1811 (24hrs)				(08) 9168 1422
Managing Director					
Slingsby, Kerry	(08) 9168 1811 (24 hrs)				(08) 9168 1422
Jayrow Helicopters					
Karratha (IDD ++ 61 8)					
Manager					
Rowsell, Mel	(08) 9143 1313	(08) 9183 0014		0418 937 379	(08) 9143 1188
Switchboard	(08) 9143 1313				(08) 9143 1188
Lloyd Helicopters Group					
Adelaide Head Office (IDD ++ 61 8)					
Operations Logistics Manager					
Martin, Doug	(08) 8373 0700	(08) 8270 5381		0418 855 195	(08) 8373 1119
Switchboard	(08) 8373 0700				(08) 8373 3366
Operations Logistics Officer					
TBA	(08) 8373 0700				(08) 8373 1119
Darwin (IDD ++ 61 8)					
Base Manager					
Spann, Carl	(08) 8945 3888	(08) 8945 6445		0417 832 169	(08) 8945 3852
Switchboard	(08) 8945 3888				(08) 8945 3852
Karratha (IDD ++ 61 8)					
Base Manager					
Boaden, Craig	(08) 9144 4559	(08) 9185 2558		0417 875 433	
Senior Base Engineer					
Clifford, Peter	(08) 9144 4559	(08) 9144 4572		0417 903 305	
Duty Operations			016 080 # 849 248		
Emergency				0417 900 063	
Operations		(08) 9185 3355			
Switchboard	(08) 9144 4559				(08) 9185 3777
Logistics Supervisor / Senior Pilot					
Toms, Mike	(08) 9144 4559	(08) 9144 4087	016 080 # 684 7756	0418 815 368	
Rossy Rotor Aviation					
(IDD ++ 61 8)					
Pilot					
McDowell, Ross	(08) 9173 2696 (24 hrs)			014 46 25 89	(08) 9173 2416

6 Aircraft Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
6.1 Helicopters					
Toll Energy					
Dampier (IDD ++ 61 8)					
Dampier Representative					
Neenan, Wayne	Delete			0419 949 051	(08) 9144 3533
WAPET					
Barrow Island (IDD ++ 61 8)					
Switchboard	(08) 9184 3723 (08) 9184 3700	(08) 9184 3762			(08) 9184 3799 (08) 9184 3731 (a/h)
Dampier (IDD ++ 61 8)					
Switchboard (through Toll Energy)	delete				(08) 9144 3533
Woodside Offshore Petroleum Pty Ltd					
Karratha (IDD ++ 61 8)					
Marine Superintendent Karratha					
Ramshaw, George	(08) 9158 7110		016 943 759	0419 042 016	(08) 9158 7012
Switchboard	(08) 9158 8100 (24 hrs)				(08) 9158 8000
6.2 Fixed Wing Aircraft					
TNT Air Charter					
Switchboard	1800 023 661 (24 hrs)				(02) 9313 2088
6.3 Airports / Air Traffic					
Airservices Australia - Flight Services					
Adelaide (IDD ++ 61 8)					
Switchboard	(08) 8238 7838 (24 hrs)				(08) 8234 4174
Melbourne (IDD ++ 61 3)					
Air Traffic Services	(03) 9339 2666				
Essendon Airport					
Melbourne (IDD ++ 61 3)					
Switchboard	(03) 9379 9077				
Operations Logistics Officer					
TBA	(03) 9374 2100			0419 826 643	(03) 9374 2177

6 Aircraft Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
6.3 Airports / Air Traffic					
Flinders Island Aerodrome **Flinders Island (IDD ++ 61 3)** **Aerodrome Manager** Barnewall, Brian	(03) 6359 2144		016 181 582 (24hrs)		
King Island Airport **King Island (IDD ++ 61 3)** **Manager** Robins, Alan	(03) 6462 1509	(03) 6462 1354			
Launceston Airport **Launceston (IDD ++ 61 3)** Switchboard	(03) 6391 6996		(03) 6391 6966		

7 Marine Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Australian Offshore Services Melbourne (IDD ++ 61 3)					
Butt, Neil	(03) 9254 1547	(03) 9859 5474		0412 569 787	(03) 9686 9279
Operations Manager					
Hall, Richard	(03) 9254 1666	(03) 9844 1857		0412 568 780	(03) 9686 9279
Hall, Richard	(03) 9254 1666	(03) 9844 1857		0412 568 780	(03) 9686 9279
Homsey, Joe	(03) 9254 1666	(03) 9458 4237		0412 458 423	(03) 9686 9268
Switchboard	(03) 9254 1666		016 376 434 (a/h Duty Manager)		(03) 9686 9279 (Operations)
Switchboard	(03) 9254 1666		016 376 434 (a/h Duty Manager)		(03) 9686 9279 (Operations)
Barge Express Darwin (IDD ++ 61 8)					
Coastal Manager					
Helms, Klaus	delete				(08) 8941 3355
Burns Philp Darwin (IDD ++ 61 8)					
Darwin Manager					
Beagley, Ron	(08) 8981 2901	(08) 8927 3569		0418 895 872	(08) 8941 1981
Switchboard	(08) 8981 2901				(08) 8941 1981
Lewmarine Geelong (IDD ++ 61 3)					
Switchboard	(03) 5221 1577				
Mermaid Marine Dampier (IDD ++ 61 8)					
General Manager					
Board, Dal	(08) 9144 4099	(08) 9185 4194		0418 937 518	(08) 9144 4088
Switchboard	(08) 9144 4099				(08) 9144 4088
Northern Territory Shipping Darwin (IDD ++ 61 8)					
Assistant Manager					
Dickson, Mark	delete			0417 819 593	(08) 8941 1670
Manager					
Mules, Peter	(08) 8981 2541	(08) 8927 9550		0418 895 410	(08) 8941 1670
Switchboard	(08) 8981 2541				(08) 8941 1670

7 Marine Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Perkins Shipping Darwin (IDD ++ 61 8)					
Marine Superintendent					
Gratz, Capt. Wolf	(08) 8982 2080			0419 858 514	(08) 8941 0412
Coastal Manager					
Helms, Klaus	(08) 8982 2020 (24 hrs)			0419 847 985	(08) 8941 3355
Switchboard	(08) 8982 2000				(08) 8941 0412
Sterling Marine Freemantle (IDD ++ 61 8)					
General Manager					
Sheerer, Graeme	(08) 9335 8444		(08) 9357 5519	0417 990 968	(08) 9335 3286
Switchboard	(08) 9335 8444				
Port Hedland (IDD ++ 61 8)					
Switchboard	(08) 9173 1651				
Supervisor					
Telfer, John	(08) 9173 1651	(08) 9173 1150		018 919 266	(08) 9173 1343
Swire Pacific Offshore Pty Ltd Perth (IDD ++ 61 8)					
Operations Manager					
Del Rosso, Ian	(08) 9430 5434	(08) 9337 8906		0412 928 275	(08) 9430 7849 (08) 9337 6357 (a/h)
Technical Manager					
Marren, David	(08) 9430 5434	(08) 9339 2319		0412 923 509	(08) 9430 7849 (08) 9339 2417 (a/h)
General Manager					
Pullan, Sam	(08) 9430 5434	(08) 9339 8148		0411 430 669	(08) 9430 7849 (08) 9339 8158 (a/h)
Switchboard	(08) 9430 5434				(08) 9430 7849

7 Marine Services

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Tidewater Port Jackson Melbourne (IDD ++ 61 3)					
Marine Operations Manager					
Mitchell, Robert	delete	(03) 9499 5854		019 384 747	(03) 9428 9772
Switchboard	delete				(03) 9428 9772
Perth (IDD ++ 61 8)					
Financial Controller					
Bloch, Harry	(08) 9221 2822	(08) 9275 4272		0419 424 272	(08) 9221 3510
Safety and Quality Assurance Manager					
Johnson, Sean	(08) 9221 2822			0417 939 731	(08) 9221 3865
Technical Superintendent					
King, Chris	(08) 9221 2822	(08) 9345 1198		0419 042 422	(08) 9221 3443
Technical Administrator					
Lovi, Nick	(08) 9221 2822	(08) 9247 5658		0419 637 061	(08) 9221 3865
Personnel Manager					
Pleass, Alan	(08) 9221 2822	(08) 9345 1198		0419 192 011	(08) 9221 3865
General Manager					
Seay, Austin	(08) 9221 2822			0418 335 242	(08) 9221 3510
Technical Manager					
Steele, Alan	(08) 9221 2822	(08) 9455 3759		0419 916 132	(08) 9221 3443
Office Manager					
Switchboard	(08) 9221 2822				(08) 9221 3865
Total Marine Perth (IDD ++ 61 8)					
Switchboard	(08) 9430 5595				(08) 9430 5199
Managing Director					
Wardle, M.	(08) 9430 5595	(08) 9332 4206		0418 940 767	(08) 9430 5199

8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
AIP **Melbourne (IDD ++ 61 3)** **Executive Director** Starkey, Jim	(03) 9614 1466				(03) 9614 1416
Ampolex Limited **Perth (IDD ++ 61 8)** 26th Floor, 250 St Georges Terrace, Perth, WA 9000 **Operations Manager** Goodacre, Jack	delete				(08) 9429 3544
Apache Energy Ltd **Perth (IDD ++ 61 8)** Level 3, 256 St. Georges Terrace Perth WA 6000 **Operations Manager** Lake, Bruce Switchboard	(08) 9422 7206 (08) 9422 7222		(08) 9480 9999 #62296	0419 936 527	(08) 9422 7445 (08) 9422 7444
APPEA **Canberra (IDD ++ 61 2)** **Deputy Executive Director** Cochrane, Peter **Assistant Director - Public Affairs** Gordon, Linda **Executive Director** Jones, Barry	(02) 6247 0960 (02) 6247 0960 (02) 6247 0960			041 221 5100 041 221 5099	(02) 6247 0548 (02) 6247 0548 (02) 6247 0548

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8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
BHP Petroleum					
Darwin (IDD ++ 61 8)					
Lot 4233 Pruen Road, Berrimah, NT, 0828					
PO Box 37871, Winnellie, NT, 0821					
Darwin Operations Base	(08) 8922 1122	Chubb Security (08) 8984 3430			(08) 8984 4139 or (08) 8984 3565
Radio Room					
Duty Communications Officer	(08) 8922 1126		016 080 # 818 929		(08) 8984 4139
Timor Sea Operations Manager					
Paton, Mark	delete	(08) 8981 6403	016 080 # 819 174	0418 895 913	(08) 8984 4139
Radio Room Receptionist (as per Duty Roster)	(08) 8922 1122	Chubb Security (08) 8946 0999	016 080 # 818 929		(08) 8984 4139 (08) 8984 3565
Melbourne (IDD ++ 61 3)					
120 Collins Street, Melbourne, Vic. 3000					
Drilling Manager					
Berean, Doug	(03) 9652 6322	(03) 9439 2603	132 222 # 254 133	0419 523 208	(03) 9652 6124 (03) 9431 3902 (a/h)
Group Gen. Manager, BHPP Ops. & Technology					
Hunter, Keith	(03) 9652 6010	(03) 9589 3678	132 222 # 851 395	0419 870 053	(03) 9652 7211
Drilling Superintendent					
Oliver, Rob	(03) 9652 7035	(03) 888 6130			(03) 9652 6124
Switchboard	(03) 9652 6666				
Boral Energy Resources Ltd					
Adelaide (IDD ++ 61 8)					
3rd Floor, Hospitality House 60 Hindmarsh Square Adelaide SA 5000					
Manager for Exploration NWS					
Bauer, Jennie	(08) 8235 3828				(08) 8223 1851
Manager for Exploration					
Lovibond, Rod	(08) 8235 3737				(08) 8223 1851
Drilling Manager					
Roberts, Doug	(08) 8235 3737				(08) 8223 1851
Switchboard	(08) 8235 3737				(08) 8223 1851
Manager of Oil & Gas Production					
Wearne, Geoff	(08) 8235 3737				(08) 8223 1851

8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
BP					
Kwinana (IDD ++ 61 8)					
BP Refinery Mason Road, Kwinana, WA 6167					
Fire and Safety Officer					
Lothian, Tommy	(08) 9419 0437				(08) 9419 0340 (08) 9439 2003 (mail room)
Melbourne (IDD ++ 61 3)					
360 Elizabeth Street Melbourne VIC 3000					
Logistics & Facilities Manager					
Lumb, Adrian	(03) 9268 4964			0419 754 055	(03) 9268 3524
Terminals & Distribution Manager					
Watton, Mike	(03) 9268 3858				(03) 9268 3587
British Gas Exploration & Production Ltd					
Islamabad - IDD (++ 92 51)					
Resident Manager					
Bowles, Edwin	(051) 270446				
Conoco Pakistan Exploration & Production B.V.					
Islamabad - IDD (++ 92 51)					
General Manager					
Henderson, John	(051) 277584 (051) 277585				
Edison International					
Islamabad - IDD (++ 92 51)					
General Manager					
La Sorsa, Angelo	(051) 815921 (051) 818258 (051) 824309				
Esso Australia Ltd (EAL)					
Melbourne (IDD ++ 61 3)					
12 Riverside Quay Melbourne Vic 3006					
Area Drilling Manager					
Jenkins, Bob	(03) 9270 3422	(03) 9889 7443	016 030 # 312 607	0417 347 499	(03) 9270 3593
Switchboard	(03) 9270 3333				(03) 9270 3995 (mail room)
Drilling Operations Manager					
To Be Advised	delete				(03) 9270 3593

8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Lasmo Oil Pakistan Ltd **Islamabad - IDD (++ 92 51)** **General Manager** Summers, R.	(051) 812002				
Mermaid Sound Port & Marine Services **Karratha (IDD ++ 61 8)** **Marine Superintendent** Ramshaw, George **Perth (IDD ++ 61 8)** **Port Operations Superintendent** Jones, Winn	(08) 9158 7110 (08) 9224 5600	 (08) 9348 5621	016 943 759	0419 042 016 0417 840 060	(08) 9158 7012
Mobil Exploration & Producing Australia Pty Ltd **Perth (IDD ++ 61 8)** 29th Floor, QV1 Building, 250 St. Georges Terrace Perth, WA, 6000 **Wandoo Asset Team Leader** Goodacre, Jack **Drilling Team Leader** Honore, Royal Switchboard	 (08) 9424 9273 (08) 9424 9403 (08) 9424 9200	 (08) 9389 1585		 018 951 429	 (08) 9424 9544 (08) 9424 9566 (08) 9424 9203

8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Novus West Australia Pty Ltd					
Dampier Supply Base (IDD ++ 61 8)					
General Manager					
Board, Dal	delete	(08) 9185 4194		018 937 518	(08) 9144 4088
Switchboard	delete				(08) 9144 4088
Onslow Supply Base (IDD ++ 61 8)					
Mazneiu, Peter	(08) 9184 6092	(08) 9184 6192		0417 185 063	(08) 9184 6092
Switchboard	(08) 9184 6092				(08) 9184 6092
Perth (IDD ++ 61 8)					
Field Superintendant					
Adams, D.	delete		(08) 9324 4813		(08) 9486 9800
Field Superintendant					
Crosbie, P.	delete		(08) 9324 4813		(08) 9486 9800
Maintenance Engineer					
Douglas, G.	delete	(08) 9310 4664	(08) 9324 4813		(08) 9486 9800
Emergency Response Centre	delete				(08) 9420 0748
Production Superintendent					
Herrera, Glen	(08) 9486 7700	(08) 9306 0979	(08) 9324 4813	0411 757 874	(08) 9486 9800
Switchboard	(08) 9486 7700				(08) 9486 9800
Drilling Manager					
TBA	(08) 9486 7700				(08) 9486 9800
Safety Manager					
TBA	(08) 9486 7700				(08) 9486 9800
Occidental Petroleum Pakistan Inc					
Islamabad - IDD (++ 92 51)					
VP & Resident Manager					
Smith, Gordon	(051) 276290-93				
OMV Pakistan Exploration GmbH					
Islamabad - IDD (++ 92 51)					
General Manager					
Meister, Siegfired	(051) 273620-31				
Orient Petroleum Inc					
Islamabad - IDD (++ 92 51)					
President & G. M.					
Noriega, A.	(051) 274261-68				

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8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
Phillips Petroleum Company ZOC					
Melbourne (IDD ++ 61 3)					
Staff Drilling Director					
Curry, Bill	(03) 9652 6537	(08) 9873 5684			(03) 9652 6124
West Perth (IDD ++ 61 8)					
Level 1, HPPL House, 28 - 42 Ventnor Avenue West Perth, WA 6005					
President					
Brand, Dr. Steven	(08) 9423 6650				(08) 9423 6677
Switchboard	(08) 9423 6666				(08) 9423 6677
Santos Ltd					
Adelaide (IDD ++ 61 8)					
Santos House, 91 King William St, Adelaide, SA. 5001					
Manager of Drilling Services Australasia					
Gamblen, Jeff	(08) 8224 7195		(08) 8239 8444 # 9274	0417 810 377	(08) 8224 7141
Shell Company of Australia Ltd					
Melbourne (IDD ++ 61 3)					
1 Spring Street Melbourne Vic 3000					
Asset Manager					
Burn, John	(03) 9666 5123				(03) 9666 5895
Technical Manager					
Strobl, Wolfgang	(03) 9666 2147	(03) 9889 5494		0419 303 307	(03) 9666 5895
Switchboard	(03) 9666 5444				(03) 9666 5008
Drilling Manager					
Veenema, Jan	(03) 9666 5506			0419 118 508	(03) 9666 5225
Shell Exploration Pakistan B.V.					
Islamabad - IDD (++ 92 51)					
Exploration Manager					
Birch, Roger	(051) 826136				
Union Texas Pakistan					
Islamabad - IDD (++ 92 51)					
Vice President					
Hasan, M.	(051) 815921 (051) 818258 (051) 824 309				
Unocal Pakistan B.V.					
Islamabad - IDD (++ 92 51)					
President & General Manager					
Keller, Richard	(051) 278995-96				

8 Petroleum Exploration, Production Companies & Associations

	Work	After Hours	Emergency / Pager	Mobile	Facsimile
West Australian Petroleum Pty Ltd					
Perth (IDD ++ 61 8)					
QV1, 24th Floor 250 St Georges Terrace Perth WA 6001					
Drilling Manager					
Springer, Kent	(08) 9263 6000			018 092 817	(08) 9263 6223
Switchboard	(08) 9263 6000				(08) 9263 6699
Woodside Offshore Petroleum Pty Ltd					
Darwin (IDD ++ 61 8)					
Darwin Area Manager					
Aquino, Frank	(08) 8980 2701			0419 045 172	(08) 8980 2710
Receptionist					
Brown, Katrina	(08) 8980 2700			0419 853 120	(08) 8980 2710
Workshop Supervisor Hudson Creek					
Smith, Billy	(08) 8922 1861	(08) 8985 4295		0417 913 926	(08) 8922 1870
Perth (IDD ++ 61 8)					
1 Adelaide Terrace Perth WA 6000					
Well Construction Manager					
Hodson, Doug	(08) 9244 4078	(08) 9284 2710		0417 938 596	(08) 9348 4853
Switchboard	(08) 9244 4000 (24hrs)				(08) 9325 8178
Technical Services Manager					
Woodall-Mason, Nick	delete				(08) 9348 5082