

**GLOBEX Far East**

letter to Globex/Sedco KD/Quest
- handover of technical management to NRE

T/27P

BARRAMUNDI-1

PRE-SPUD MANUAL

SEPTEMBER, 1999

- need to add NRE Vic
contact details

- R King DA
- A. N.

BARRAMUNDI - 1 PRE-SPUD MANUAL

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GLOBEX PRE-SPUD MANUAL

1. Introduction

Globex Far East (Globex) has entered into an Agreement with Esso Australia for the assignment of the semi-submersible drilling rig Sedco 702 to drill one exploration wells, in Permit T27P in Bass Strait.

The drilling operation will be managed in accordance with the Petroleum (Submerged Lands) Act 1967 and the requirements under the Safety Case legislation

Globex has submitted to Mineral Resources Tasmania all of the Safety Case documentation including the Proposed Well Programme, Oil Spill Contingency Manual, Emergency Response Manual, Safety Management System and the Bridging Document. Copies of all manuals will be held on the rig.

2.0 Site Description

2.1 General

'Barramundi-1' is an exploration well to be drilled to a depth of 1750m in Permit T/27P

Details of the well design are given in the 'Barramundi-1' Drilling Programme. Summary data has been included in the Appendices to this document.

2.2 Logistics Base

A Logistics Base has been established in Melbourne. The Supply vessels will operate from Geelong. A pilot is required for vessels entering and leaving Port Philip Bay.

Globex Materials and Logistics Superintendent - Chris Johnson: Mob 0418 446 440

Handling agent:

Toll Energy,
654 Footscray Road,
West Melbourne
Contact: Phil Dent, Manager
Tel - 03 9688 8325
Fax - 9688 8340
Mobile - 0418 359 526

2.3 Crew Change

Crew change will be effected by Lloyd Helicopters, Bell 412 Helicopter from Essendon Airport.

All third party contractors will be responsible for arranging travel for their own personnel to Essendon.

No person shall travel to the rig without the permission of the Project Manager or Materials and Logistics Superintendent who will call the relevant service company and advise them of the need for personnel and the date required unless set crew change days are in place.

Prior to travel, please provide the Materials and Logistics Superintendent with the following:

- Company name,
- Name and job position of the person travelling,

No person shall leave the drilling rig without the permission of the Globex Drilling Supervisor.

Refer to Appendix A for Helicopter Procedures

2.4 Logistics - materials and equipment

All material movements to the rig will be coordinated by the KDC Logistics Superintendent. Materials and equipment should not be sent to the rig without notifying him. Please provide manifests for all shipments to the rig and consign as follows:

Globex Far East
c/- Toll Energy
654 Footscray Road,
West Melbourne
Marked - 'Barramundi-1, Sedco 702'

2.5 Invoice Procedure

All invoices should be forwarded to:

Globex Far East
c/- Kelly Down Consultants Limited.
PO Box 573,
St.Leonards, NSW, 1590

Attn: Drilling Project Manager.

Invoices will be reconciled against Contracts, Purchase Orders or field tickets.

Any queries on the invoice will be advised to the vendor in writing.

Any queries on the invoice will be advised to the vendor in writing.

Original invoices will be forwarded to Globex for payment.

2.6 Major Service Providers

See Appendix C for details.

3 HEALTH AND SAFETY

See attached Globex Health and Safety Policies

GLOBEX FAR EAST

ENVIRONMENTAL POLICY

GLOBEX Far East is committed to pursuing best practice in environmental performance.

We acknowledge that our shareholders, employees and the community at large expect responsible environmental practice by *GLOBEX Far East* businesses.

GLOBEX Far East embraces the principle of sustainable development, ie. development which meets the needs of the present without compromising the ability of future generations to meet their own needs. We believe this principle is fundamental to the continued success and growth of *GLOBEX Far East*.

Specifically *GLOBEX Far East* is committed to:

- Complying with the environmental legislation, regulations, standards and codes of practice relevant to the particular business as the absolute minimum requirement in each of the communities in which we operate
- Conducting our operations to minimise and, wherever applicable, eliminate negative environmental impact
- Continuous improvement of our environmental performance including review and the setting of rigorous environmental objectives and targets (particularly with regard to the efficient use of energy and materials, the minimisation of waste and the prevention of pollution)
- Conducting business with suppliers which also have a committed responsible environmental policy

Through communication and training, all employees and contractors will be encouraged and assisted to enhance the environmental performance of *GLOBEX Far East*.

Drilling Manager, Australia
GLOBEX Far East
November 1998

GLOBEX FAR EAST

HEALTH AND SAFETY POLICY

GLOBEX Far East is committed to providing a safe and healthy working environment for employees and contractors. To meet this goal it is our policy to actively prevent injury and manage risks in accordance with leading industry practices and relevant regulations.

We endeavour to responsibly manage the health, safety and environmental implications of our business activities. *GLOBEX Far East* is committed to the continuous improvement of our health and safety performance.

It is our objective to:

- Identify, evaluate and manage major risks for our operations.
- Continuously increase awareness of our environmental and occupational health and safety responsibilities among our workforce; and make available training to enable them to work in a safe and environmentally sound manner.
- Provide systems to ensure that incidents, near misses, concerns and complaints are reported, adequately investigated and steps taken to prevent recurrence.
- Undertake regular monitoring and periodic review and audit to ensure that this policy and associated Safety Management Systems are being correctly implemented, maintained and improved.
- Comply with all relevant legislation.
- Work with all our employees and contractors to ensure that the requirements of the Safety Management System are upheld.
- Ensure that health and safety are given the same regard as our operational goals and objectives.
- Develop communication channels that ensure that this policy and its objectives are understood by all employees, contractors and customers, and to actively seek their input and feedback.

Drilling Manager, Australia
GLOBEX Far East
November 1998

APPENDIX A - HELICOPTER PROCEDURES

Introduction

Globex has entered into an agreement with Lloyd Helicopters whereby Lloyd will provide helicopter services in support of Globex's drilling programme with the Sedco 702.

This policy is set out to enhance your safety when travelling offshore.

All aircrew and ground staff are acting under Globex instructions in administering this policy and are ultimately responsible for yours and the aircraft's safety. Breaches and refusals to comply will be notified to both Globex and your Company Representative.

Check-In - Essendon Airport

The Check-In Facility is located in the Essendon Airport Terminal. Follow the Lloyd Helicopter signs posted to the counter.

Please observe that the Airport Terminal and the Check-In Facility are non-smoking areas.

Passengers are required to arrive at the Check-In Facility, promptly at the designated check-in time.

You will be provided with a Personal Particulars Form at the Check-In desk upon your arrival and you are required to immediately check the information carefully making any corrections necessary and complete all required information. Return the Personal Particulars Form to the Reservations staff on duty before your departure.

Check-In Time

The check-in time is included on the Crew Change Schedule, (**Attachment 1**) Cut off time is officially 15 minutes after check-in time, so please plan to be at Check-In at the specified check-in time. Late passengers will not be permitted to travel and Company Representatives will be notified.

Passengers are not permitted to leave the Check-In Facility once given security clearance and issued with a boarding pass. (Tea/coffee/toilets/ public telephone are all available in the waiting lounge).

Prohibited Articles

You will not be permitted to travel with the following items:

- matches or lighters (or lighter fuel)
- firearms
- alcohol
- drugs
- explosives
- magnetic materials
- radioactive materials

Alcohol

Intoxicated passengers will not be permitted to travel. Your Company Representative will be required to attend Check-In, in this event.

Passengers should not consume any alcohol or other intoxicating substances in the 12 hours prior to check-in time for their own safety and that of other passengers. Intoxicated passengers do not respond appropriately in an emergency situation, are difficult to treat in the event of injury and are more likely to cause injury to themselves and others.

Medical Fitness

Travelling offshore to remote locations distanced from normal medical and hospital services requires all travellers to be medically fit to be in such locations.

If you have a medical condition or physical condition under treatment then you must ensure you consult with your doctor to ensure it is advisable for you to travel to such a location. If in doubt, contact Globex, c/-Kelly Down Consultants on 02 9901 3422.

Medicines

All prescribed medicines must be declared at:

- i) The Check-In to security staff
- ii) To the person in charge at your offshore destination upon arrival when you are being given the safety briefing or immediately after that briefing to the Superintendent or Master.

This is very important to ensure your medical condition is known to those who may need to rescue and administer first aid to you during your travel and stay offshore in the event of an accident.

Clothing to be Worn for Travel

- Long Trousers - no shorts
- Long sleeve shirt with a collar is recommended (rolled up sleeves if you wish, short sleeves will be accepted)
- Socks
- Fully enclosed non-slip shoes/boots - no thongs/sandals

Note: You will not be allowed to travel in shorts, thongs or sandals on the helicopter.

No hats are allowed.

It is recommended that all your clothing be of natural fibre, like cotton, or at least a blend of mostly cotton or wool with synthetic.

You will be provided with a Multifab immersion suit at the check-in for wearing during your flight.

Security - Check-In

Upon arrival:

- Security checks for yourself and luggage are applicable. Your luggage will be searched, weighed, tagged and held securely for collection by the aircraft handlers.
- Your luggage is not accessible again until you reach your destination.
- All baggage and freight is subject to a search by security staff upon return to Essendon from the offshore facilities.

Personal Luggage

Personal luggage limitations of 15 kilos apply to all offshore travellers.

This policy is expected to be strictly adhered to, otherwise your luggage may not all travel with you, due to weight limitations on the helicopter. Any overweight luggage is to be advised to Check-In by 1500 hours the day prior to departure.

Baggage Type

Locker space in the helicopters is very limited, so you are requested to utilise flexible material type of baggage instead of rigid suitcase styles which consume space inefficiently and may contribute to a delay in movement of baggage.

One piece of soft luggage in recommended size of 46 cm (18") x 46 cm (18") x 23 cm (9") or not exceeding in volume 2.5 cubic foot maximum.

Hand Luggage

All hand luggage including briefcases, cameras, lap top computers, personal tape systems, hard back books and newspapers may become either lethal objects or impede your exit in the event of an aircraft accident. These items must be checked in as luggage and not carried in the aircraft cabin.

The exceptions are a soft cover paper back book, A4 size stapled magazine or report. A broadsheet loose leave newspaper floating loose in the cabin of a helicopter in an incident may impede your identifying an escape route or if sucked into the turbine air intakes cause engine failure and major damage/risk.

Freight & Excess

Contractor's excess equipment is to be taken to the GLOBEX Shorebase at West Melbourne by 1400 hrs on the day prior to departure.

Urgently required excess is to be assessed and marked priority 1 if required, with the approval of the appropriate GLOBEX Supervisor. If the excess cannot be flown on your flight it will go on the next available flight (space permitting).

Freight In Helicopter

Australian Civil Aviation Authority (CAA) regulations allow the carriage of freight in aircraft with passengers. This regulation is detailed in Civil Aviation Order (CAO) 20.16.2.

In summary this regulation stipulates freight:

- i) Should not be so positioned as to obstruct crew or passengers or damage the aircraft or its controls.
- ii) Must not obstruct aisles or emergency exits.
- iii) Must be appropriately restrained to withstand the maximum accelerations expected in flight or in a heavy landing.

Two small CAA approved luggage/freight compartments have been installed in the Bell 412 helicopters on top of the 2 quarter section fuel tanks additional to the aircraft's lockers. This has been made possible with the purchase of new RFD liferafts which are now installed behind the pilots seat.

These modifications have been made to reduce the number of times luggage/freight is carried in the cabin with passengers.

Safety Instructions

A video illustrating the safety features of the helicopter will be shown at the airport. Your attention to these procedures is requested for the safety of all passengers.

Boarding - Essendon

Once the boarding announcement is made, please follow ground staff instructions to the helicopter.

Sedco 702 - Disembarking/Embarking Passenger Instructions

Disembarking:

Upon helicopter arrival at the rig, remain seated, a Pilot will instruct you when it is safe to disembark from the helicopter, do not disembark until directed by a Pilot,

Only upon instruction from a Pilot:

- Unfasten your seat belt.

- Carefully disembark and walk away from the helicopter as directed by the Pilot to the muster room. Do not remove your life jacket until you are inside the muster room.
- Once inside the muster room remove your life jacket and pass it to the facility crew person receiving passengers.
- Your baggage will be delivered to the muster room by others, do not wait or attempt to remove your bag from the helicopter yourself.
- Do not walk around the tail (rear) or nose of the helicopter.
- Do not carry anything or put your arms above head helicopter whilst under the rotor blades and until you reach the transit lounge.
- Do not allow any loose articles on your person to be unrestrained whilst under the rotor blades and until you reach the transit lounge.
- Do not smoke until you reach a designated smoking area.

Passenger Instructions Embarking:

Helideck and surrounds must be clear of all persons, equipment and loose articles prior to helicopter arrival. (Responsibility of Facility appointed Muster Person).

- Do not approach the helicopter until a Pilot is standing alongside the helicopter to supervise both passenger and freight movements.
- Do not approach the helicopter until a Pilot gives the "thumbs-up" sign.
- Do not approach the helicopter until the red flashing anti-collision light has been switched off on the helicopter.
- Follow the instructions carefully of the facility appointed Muster Person, do not approach the helicopter until directed and then only in full view of the Pilots.
- Ensure you are given a life jacket whilst in the muster room and put it on and secure while inside the muster room. Never attempt to put on or remove a life jacket whilst under the helicopter blades.
- Do not carry any hard articles of hand luggage into the cabin. All such items are prohibited with the exception of one paper back book or one A4 size stapled report (no hard covers or newspapers). Pack into your luggage all such prohibited items such as cameras, walkmans, computers, newspapers etc.

The Facility appointed Muster Person will identify with embarking passengers prior to helicopter arrival:

1. Helicopter Underwater Escape Trained (HUET) passengers and instruct only these people to sit in vacant seats directly opposite the emergency escape exit windows, (All other passengers are requested to firstly take up vacant seats in the centre of the cabin to facilitate embarkation of following passengers).
 2. A passenger, preferably HUET trained, is to sit in the centre area of the cabin and put on the headphones provided (if not already in use) for direct communication with the Pilots to ensure any emergency instructions are conveyed to all passengers.
- Do not walk around the tail (rear) or nose of the helicopter.
 - Do not carry anything or put your arms above head height whilst under the rotor blades and until you reach the transit lounge.
 - Do not allow any loose articles on your person to be unrestrained whilst under the rotor blades and until you reach the transit lounge.
 - Do not smoke.
 - Take your seat and fasten your sea belt.
 - Familiarise yourself with your surrounds, exit locations, read the Safety Briefing card located in the seat pockets.

Essendon Airport - Disembarking from Helicopter

Upon helicopter arrival at Essendon remain seated, aircrew will instruct you when to disembark from the helicopter, do not disembark until directed by aircrew.

Upon instruction from the aircrew person:

- unfasten your seat belt
- remove your life jacket while in the helicopter and leave the life jacket on your seat.
- carefully disembark and walk away from the helicopter as directed by aircrew to the transit lounge. Never run.
- Do not walk around the tail (rear) or nose of the helicopter.
- Do not carry anything or put your arms above head height whilst under the rotor blades and until you reach the transit lounge.
- Do not allow any loose articles on your person to be unrestrained whilst under the rotor blades and until you reach the transit lounge.
- Do not wait on the tarmac and do not smoke on the tarmac.

Your baggage will be delivered to the Check-In Facility and you will be requested by the check-In staff to collect your personal baggage from the baggage handlers vehicle when it arrives. Security staff may search all baggage before you leave the Check-In Facility.

Any unclaimed baggage and all freight will be taken to the GLOBEX Warehouse, checked and held for collection.

For further information, please contact GLOBEX c/- Kelly Down Consultants Pty Ltd-
02 901 3422

APPENDIX B - REPORTING PROCEDURES

1.0 General

Standard format reports will be used for all drilling operations as detailed in this section.

All reporting to the Government and Partners will be done by Globex.

2.0. Drilling and Operations Reports

2.1 Daily Drilling Report (ddr-bar.xls)

The Daily Drilling Report is in Excel format.

Units to be used will be as specified on the report form, nominally 'oilfield units' with depth measurements in metres and mud weights in Specific Gravity.

Reporting will be from midnight to midnight with an update to 0600 hours.

Time analysis should be consistent with the IADC form (any disagreement with the Contractor on time breakdown should be resolved before completion of the IADC form). See also Appendix A for definitions of time allocation.

Bulk stocks to be recorded on this form.

'Personnel on Rig' to reflect number of persons on the Rig site at midnight.

2.2 Afternoon Report (pm-rep.doc)

The Afternoon Report will be a brief update from 0600 hours to 1500 hours.

2.3 Costing (pngcost.xls)

A daily total of drilling costs will be maintained and added to the DDR prior to issue. This will be done in Sydney. An Excel spread sheet has been prepared to track costs. The spread sheet provides a daily, weekly and cumulative summary.

2.4 Operational Instructions (instr.doc)

All instructions to the drilling contractor at the Rig site are to be made in writing so there is no ambiguity as to the Supervisor's requirements. This is particularly important when there is only one Supervisor on site. This format should also be used by the Drilling Superintendent confirming instructions to the Drilling Supervisor.

2.5 Programme Amendment (pgamend.fax)

Departure from the approved Drilling Programme is not permitted without permission from Globex and the MRT (if required). Any amendment will be advised in writing to the Drilling Superintendent for on-passing to the Drilling Supervisor. The amendment may be initiated by KDC or Globex but shall not be acted upon without the written approval of Globex.

2.6 Incident Report (inc-rpt.doc)

All operational incidents (eg stuck pipe, well kicks, tool failure etc) shall be documented as to cause, consequence and action taken together with recommendations for prevention or improvement.

2.7 Rig Weekly Safety Inspection Report

The Drilling Contractor's forms will be used.

2.8 Accident Reporting

The Drilling Contractor's and Globex procedures will be used.

2.9 Drilling Fluids Report

The Drilling Fluids Engineer will provide a Daily Report including materials consumption. He will be responsible for mud stock control and advising the Drilling Supervisor of requirements.

2.10 Casing and Cementing Report (csg-cem.doc)

This report will be used in its entirety in the Well Completion Report.

The Cementing Service Engineer will provide an after job report including materials consumption. He will be responsible for cementing materials and accessories stock control and advising the Drilling Supervisor of requirements.

2.11 Casing Seat Pressure Integrity Test (lot.xls)

This report will be used in its entirety in the Well Completion Report.

2.12 Trip Sheet/Kick Control

The Drilling Contractor's Well Control Procedures will be followed and the Contractor's standard forms will be used.

2.13 Bit Record (bit-rec.doc)

This report will be used in its entirety in the Well Completion Report.

2.14 Bottom Hole Assembly Record (bha-rec.doc)

This report will be used in its entirety in the Well Completion Report. A summary of the bha only is required (ie bit - bit sub - 12 1/4" NBS etc) as the DDR will include dimensional data.

2.15 Deviation Record (dev-rec.doc)

This report will be used in its entirety in the Well Completion Report.

2.16 Rental Tools Inventory

Format to be finalised.

CJ

2.17 Materials Inventory

Format to be finalised.

CJ

GLOBEX FAR EAST DAILY DRILLING REPORT

WELL: BARRAMUNDI-1
 PERMIT: T/27P
 RIG: SEDCO 702

DATE:
 REPORT #
 D.F.S.

DEPTH 2400 Hrs: STATUS @ 2400 Hrs:
 TVD: FORMATION:
 24 HR PROGRESS: LAST CASING: @ SHOE L.O.T.:
 HOLE SIZE: WD (MSL): RT - SEABED/MSL: MAASP:
 SURVEYS:

MUD PROPERTIES		ADDITIVES	SOLIDS CONTROL			FORMATION DATA		
DENSITY(SG)			ipm	uf	hrs	DEPTH		
VISCOSITY(Secs)		DESILTER				TRIP GAS (%)		
pH		DESANDER				CONN. GAS (%)		
PVYP(cplb/100ft2)		MUD CLEANER				B'GRD GAS (%)		
GELS 10/10		CENTRIFUGE				PORE PRESS (SG)		
WL API(cc/30min)			1	2	3	ECD (SG)		
WL HTHP(cc/30min)		SHAKERS				LITHOLOGY		
CAKE(mm)		SCREENS				DRILLS / BOPS		
SOLIDS %		PUMPS	1	2	3	LAST BOP DRILL		
SAND %		TYPE				LAST FIRE DRILL		
CHLORIDES(mg/l)		STROKE(in)				LAST MOB DRILL		
KCL %		LINER(in)				LAST ABN. RIG DRILL		
MBT(lb/bbl)		SPM				LAST BOP TEST		
TEMP °C		LPM				BOP TEST DUE		
HOLE VOL(m3/bbl)		AV-DP(m/min)					HRS	CUM
SURF VOL(m3/bbl)		AV-DC(m/min)				1. MOVE RIG		
LOSSES(m3/bbl/hr)		SPP(kPa/psi)				2. RUN ANCHORS		
MUD Co		SCR @ 40				3. DRILLING		
MUD TYPE		SCR @ 50				4. TRIP		
BIT DATA			WEATHER / RIG RESPONSE			5. WIPER TRIP		
BIT No.			WIND SPEED(kts)			6. SURVEY		
SIZE(mm/in)			DIRECTION(°)			7. CIRC./COND		
TYPE			TEMPERATURE(°C)			8. HANDLE BHA		
IADC CODE			BAR. PRESSURE(kPa)			9. CASE/CEMENT		
SERIAL No.			BAR. RISE / FALL(kPa)			10. WELLHEAD		
NOZZLES(32in)			VISIBILITY(NM)			11. BOPS		
DEPTH IN (m)			WEATHER STATE			12. LOT		
DEPTH OUT (m)			SWELL / PER / DIR(m/sec°)			13. CORING		
DRILLED (m cum/dly)			WAVES / PER / DIR(m/sec°)			14. LOGGING		
HOURS (cum/dly)			HEAVE(m)			15. REAM/WASH		
GRADE			PITCH(°)			16. FISH/STUCK		
AVGE ROP (m/hr)			ROLL(°)			17. LOSS CIRC		
WOB (mt)			ANCHOR TENSION-MIN(MT)			18. KICK CONTROL		
RPM			ANCHOR TENSION-MAX(MT)			19. SIDETRACK		
JET VEL (m/sec)			RISER TENSION(MT)			20. OTHER		
HHP @ BIT			VARIABLE DECK LOAD(MT)			21. REP. SURF		
BHA No.		BHA WEIGHT			STRING WT	22. WELL TEST		
BHA Profile :						23. WO WEATHER		
						24. WAIT - OTHER		
DOWNHOLE TOOLS		SERIAL No.	ROT/REAM HRS	DRILLING DATA		25. ABDN./SUSPEND		
DRILLING JAR				DRAG - UP (mt)		26. RIG SERVICE		
DRILLING JAR				DRAG - DOWN (mt)		27. SLIP/CUT LINE		
SHOCK SUB				TORQUE-On Bottom (amps)		28. PULL ANCHORS		
PDM				TORQUE-Off Bottom (amps)		29.		
						TOTAL (HRS)	0	0

SUMMARY

592020

Form	Initiated by	Initial Recipient	Distribution	Completion by (time)
Daily Drilling Report	Drilling Supervisor	KDC Project Manager - check, add costs	Globex 'Distribution List'	To Sydney by 0730 hrs; To 'Distribution List' by 0930 hrs
Afternoon Report	Drilling Supervisor	KDC Project Manager	Globex 'Distribution List'	To Sydney by 1530hrs; To 'Distribution List' by 1600 hrs
Costing	Project Manager	na	Globex 'Distribution List'	Forward to Houston with DDR
Operational Instructions (i)	Project Manager	Drilling Supervisor		As required
Operational Instructions (ii)	Drilling Supervisor	Rig Manager/ Toolpusher		As required
Programme Amendment	Globex or KDC	Project Manager	Project Manager to distribute to Drilling Supv./Operations Geologist/Drilling Contractor	As required
Incident Report	Drilling Supervisor (with Project Manager if necessary)	Project Manager	Project Manager to copy to: Globex - Ops Geo.	Within 7 days of 'operations normal' after the incident.
Rig Weekly Safety Inspection Report	Drilling Supervisor/ Contractor's Rig Manager	Project Manager	Drilling Contractor's Base Manager, DME	Every 7 days
Accident Reporting	Drilling Supervisor/ Contractor's Rig Manager with Project Manager or other third party if necessary.	Project Manager	Project Manager to copy to: Gov. Authorities Globex - Ops Geo.	
Drilling Fluids Report	Drilling Fluids Engineer	Drilling Supervisor/Rig Manager	Project Manager	Daily
Casing and Cementing Reports	Drilling Supervisor Cementing Supervisor	Drilling Supervisor	Project Manager	Within 48 hours of completion of job.
Casing Seat Pressure Integrity Test	Drilling Supervisor	Project Manager	Project Manager to copy to: Globex - Ops Geo.	Within 48 hours of completion of job.

Trip Sheet (Contractor's)	Driller	Drilling Supervisor		Each trip
Kick Control Worksheet (Contractor's)	Drilling Supervisor/ Contractor's Rig Manager	Project Manager		Each occurrence
Bit Record	Drilling Supervisor	Project Manager		Update during progress of well. Provide complete record to PM at end of well.
BHA Record	Drilling Supervisor	Project Manager		Update during progress of well. Provide complete record to PM at end of well.
Deviation Survey Record	Drilling Supervisor	Project Manager		Update during progress of well. Provide complete record to PM at end of well.
Rental Tools Inventory	Materials and Logistics Supervisor	Drilling Supervisor	Project Manager	Updated daily or as necessary - weekly report to PM.
Materials Inventory	Materials and Logistics Supervisor	Drilling Supervisor	Project Manager	Updated daily or as necessary - weekly report to PM.
Geological Reporting				
Daily Geology Report	Well site Geologist	Operations Geologist	Globex 'Distribution List'	To Sydney by 0730 hrs; To 'Distribution List' by 0900 hrs
Mud Log/Eng Report	Service Company Well site Geologist	Operations Geologist	Globex 'Distribution List'	To Sydney by 0730 hrs; To 'Distribution List' by 0900 hrs
Electric Logs	Service Company Well site Geologist	Operations Geologist	Globex 'Distribution List'	On completion of logging run.
Other Reports				As required

APPENDIX C - TIME ANALYSIS

For simplification, the order of time breakdown on the Daily Drilling Report has been arranged in a similar way to the IADC Report. Additional categories more useful to Globex have been included. The definitions for each element are provided as guidelines when carrying out the time analysis in order to maintain consistency with different operations and for comparison or bench marking purposes.

Code	Element	IADC Code	Definition
1	Move Rig		All time from Rig release on last location to sub structure spotted on next location - often on a lump sum basis which includes Rig Up (2)
2	Rig Up	1	All time from sub base spotted on location until Rigged up and ready to make up the BHA.
3	Drilling	2	All time rotating on bottom 'making hole'
4	Ream/Wash	3	All time from pick up kelly/top drive to commence reaming or washing until trip can be recommenced or back on bottom drilling.
5	Coring	4	Includes time for trip to POH, make up core barrel, RIH, Core, POH, Lay down core barrel.
6	Circ./Cond	5	All time where the well is being circulated for the purpose of i) conditioning the mud and hole ii) prior to POH for bit trip or to run logs, casing or core barrel, iii) prior to LOT. Excludes time for circulating geological samples (see 27).
7	Trip	6	Trip for purpose of changing bit or bha. Where a top drive is used, the time to pick up and lay back stands of drillpipe should be included.
8	Wiper Trip		Trip for purpose of hole stability or conditioning while drilling.
9	Handle BHA		Time to make up or lay down BHA. Note:IADC does not allow for this and time is allocated in trip time.
10	Rig Service	7	Normal Rig lube time - max half hour per tour.
11	Rig Repair	8	All time where operations are suspended for Rig or equipment failure. Includes trip/circulating time if necessary ie a trip to pull back to the shoe while waiting on Rig repairs should be logged as Repair.
12	Slip/Cut Line	9	Time to slip and cut drilling line.
13	Survey	10	All time required for a directional survey including circulating prior to survey, running/recovery of survey barrel.
14	Logging	11	Includes time to POH to log, Rig up, run logs, Rig down (including wiper trip during logs).
15	Case/Cement	12	Includes time for wiper trip after logging, Rig up, run casing, cement, woc, time to drill out plugs, cement, shoe etc
16	Wellhead		Time for installation of slips, wellhead, spools, run/test pack-off etc.
17	BOPS	14	Install and pressure test BOPs, divertors, manifolds, kill and choke lines, inside BOPs.

18	LOT		Excludes time to circulate prior to LOT.
19	Lost Circulation		All time to cure lost circulation, including trip to lay back bha if required (ie to RIH OEDP), spotting of lcm, gunk squeezes, cement and time to drillout.
20	Kick Control		All time from recognition of kick until normal operations resumed.
21	Sidetrack	20	Includes time to set kick-off plug if side-track for fish is required - trips, circulating, cementing, dress plug etc. The trip to RIH to kick-off and subsequent operations are classified under normal time breakdown with the well having a 'side-track' designation.
22	Fish/Stuck	19	All time lost due to stuck pipe or fishing (twist off etc) including circulating, spotting fluid, jarring, back-off, trips with fishing tools etc. to the point where a side-track plug is required (see 21)
23	Well Test	16	All time from commencement/Rig up test equipment/tools.
24	W/O Weather		All time lost due to weather delays including trip out of hole (if necessary) to hang off.
25	Wait - Other		Any other delay causing lost time - specify reason
26	Abd./Suspend	17	i) All time to abandon or suspend the well including time required for trips to set cement plugs, cut casing/wellheads, lay down drill pipe. ii) All time to abandon the lower part of a well for the purpose of side-tracking to a new geological objective.
27	Other		eg. time to circulate geological samples for evaluation.

APPENDIX D

CONTACT NAMES AND NUMBERS

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 - VP - Exploration Thomas L. Burgett - Exploration Manager	713 463 7710	713 463 7722	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 Colin Stuart - Senior Drilling Engineer	02 9901 3422	02 9901 3635	02 9452 2780 02 9906 4725 02 9948 0670	0412 446 440 0417 682 839 0419 493 598
GLOBEX Supply Base c/- Toll Energy, 654, Footscray Road West Melbourne Contacts: Chris Johnson - Materials & Logistics Supv.				0418 951 189

SERVICE COMPANIES

Service/Company	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 - District Manager Dave Wright - Rig Manager "Sedco 702" - Marisat GLOBEX - Rig	08 9420 4800	08 9322 3110		
Rig Positioning Fugro Survey 18 Prowse Street, West Perth WA 6872 Peter Malcolm Derek Evans-Consultant - "Bird- dog"	08 9322 4955	08 9322 1775	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 8372 7700	08 8373 3366		
Cementing: Halliburton Australia Pty Ltd 90, Talinga Road, Cheltenham, Victoria, 3192 Mike Vennes - Base Manager	03 9583 7522	07 9583 7588		
Drilling Fluids: Baroid Australia Pty Ltd No 5 Pitino Court, Osborne Park WA 6017 Peter McNaughton - Area Engineer Ed Schleifer - District Manager	08 9 446 6666 03 9581 7541	08 9446 1197 03 9585 4723		

SERVICE COMPANIES

Service/Company	Office Tel.	Office Fax.	Home Tel.	Mobile
ROV: Sonsub International pth Floor, Rohas Perkasa No 8 Jalan Perak, 50450, Kuala Lumpur, Malaysia Mike Kally - General Manager	603 264 2466	603 262 5657		
Electric Logging: Schlumberger Oilfield Australia Pty Ltd Level 5, Capital Building, 256 St Georges Terrace, Perth, WA 6000 Alain Michel - Operations Manager	08 9420 4800	08 93223080		
Mud Logging: Geoservices Overseas S.A. Unit 8, Farrall Road Midvale WA 6056 David Angus - Country Manager	08 9250 2010	08 9250 2715		
Coring: Baker Hughes INTEQ Suite 4, 5 Stoneham Street, Belmont, WA 6104 John Ryan - Area Manager	08 9478 0500	08 9478 6155		
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: Tasman Oil Tools 36 McCoy Street, Myaree, WA 6154 Bob Jones	08 9330 6155	08 9330 1502		
Directional Drilling: Schlumberger Oilfield Australia Pty Ltd 314 Raglan Street Sale, Victoria, 3850 John Robertson	03 51 432242	03 51 432 450		
Casing Running: Weatherford Australia 17 Truganina Road, Malaga WA 6052 Tom McGowan - Regional Sales	08 9249 7900	08 9249 8188		
Well Testing: Schlumberger Oilfield Australia Pty Ltd Level 5, Capital Building,	08 9321 5477	08 9322 3080		

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:				
Supply Base: Toll Energy 654 Footscray Road West Melbourne, Vic, 3003 Phil Dent - Manager	03 9688 8325	03 9688 8340		0418 359 526

APPENDIX E DRILLING PROGRAMME SUMMARY

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
Location (provisional)	: Latitude39 deg 39' 42.01 South Longitude145 deg 44' 02.87" East EastingX = 391,412 NorthingY = 5,609,012 AMG Zone55 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	: October, 1999
Estimated Drilling Time	: 15 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")	: 1777.4 m RT (1750 m SS)

4.6.2 Pressure Testing

**TABLE 4
WELL PRESSURE TESTING SUMMARY**

Function	TEST PRESSURE kpa (psi)						
	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 (20" x 13 3/8") Casing Set							
(i) Plug bump	13,800 (2,000)						34,500 (5,000)
(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 (9 5/8") 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 Req. 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.
			Class G	1.90 - Tail	0.433 (5.0)	0.762 (1.15)	TBA	TOC 150 m above shoe 20% excess Approx. (600 sx)	Centralisers - tba Two plug SSR (PDC drillable).
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.
311 (12¼)	1777.4	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.

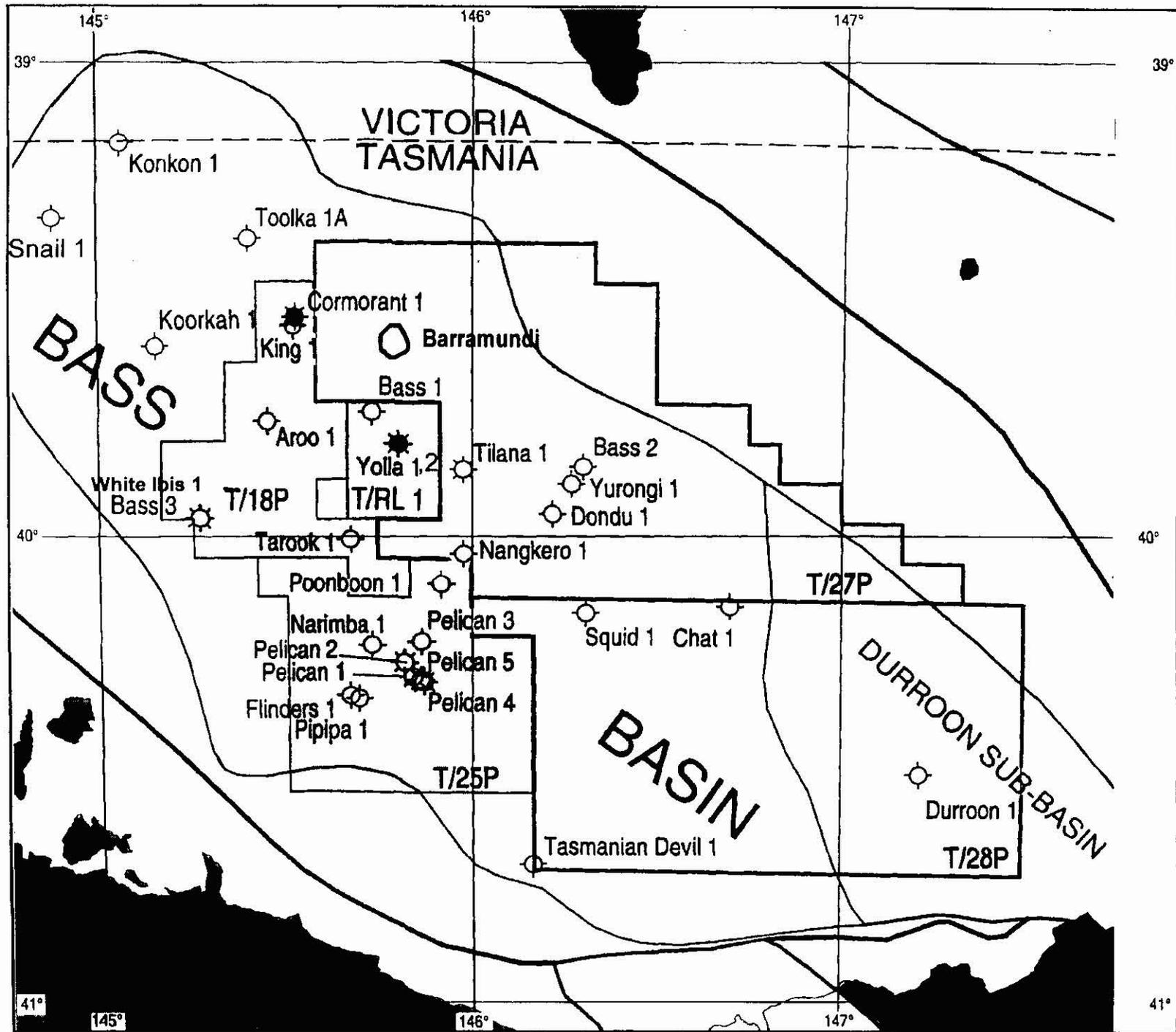
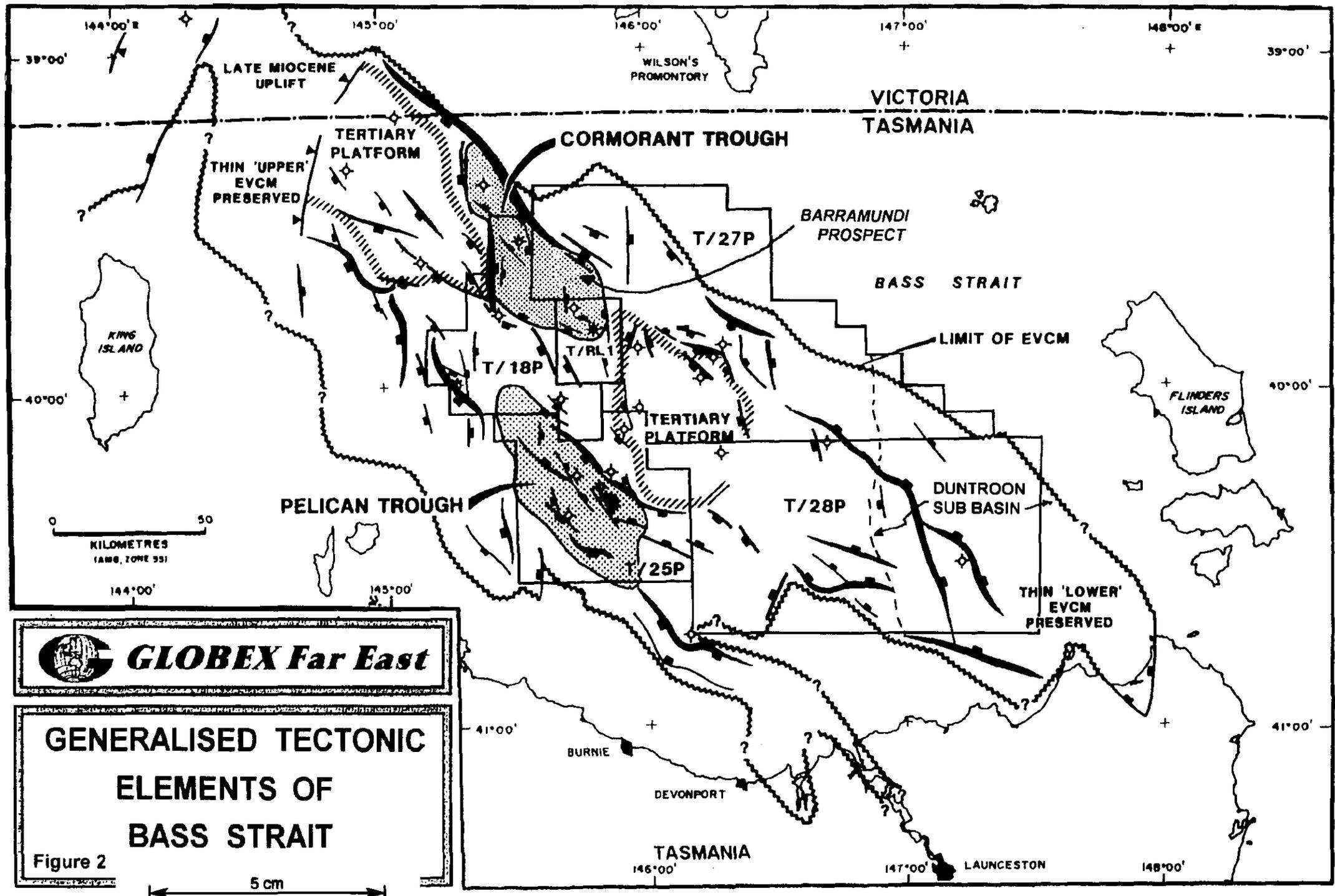


Figure 1 Locality map of Bass Strait showing leases and Proposed Barramundi - 1 Location

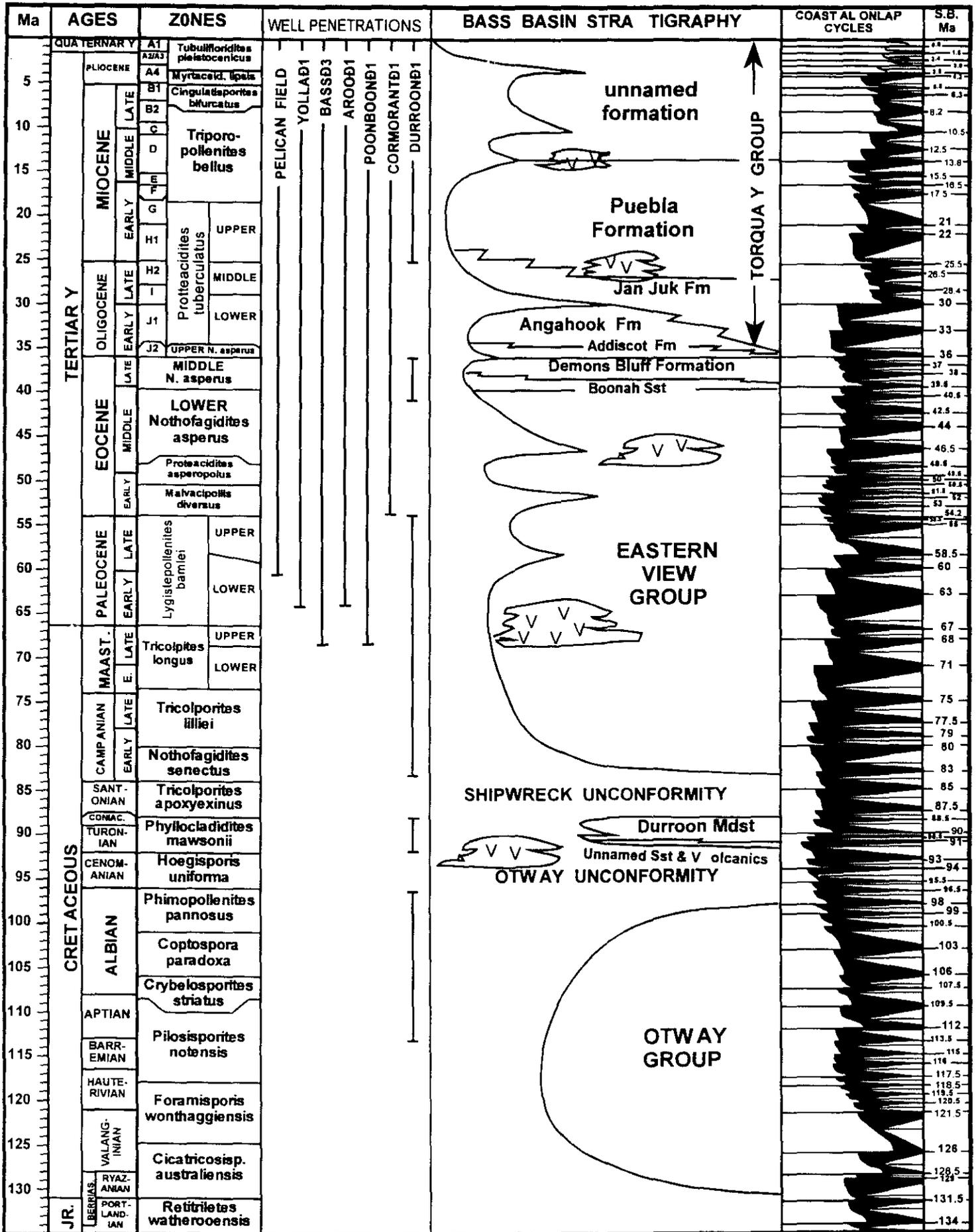


GLOBEX Far East

GENERALISED TECTONIC ELEMENTS OF BASS STRAIT

Figure 2

5 cm



A. D. Partridge Nov 1998

Figure 3. Stratigraphy of the Bass Basin.

5 cm

BARRAMUNDI-1

Latitude: 39.66167 degrees South
 Longitude: 145.73412 degrees East
 UTM Zone 55 South X = 391,412 Y = 5,609,012
 RT = 27.4m

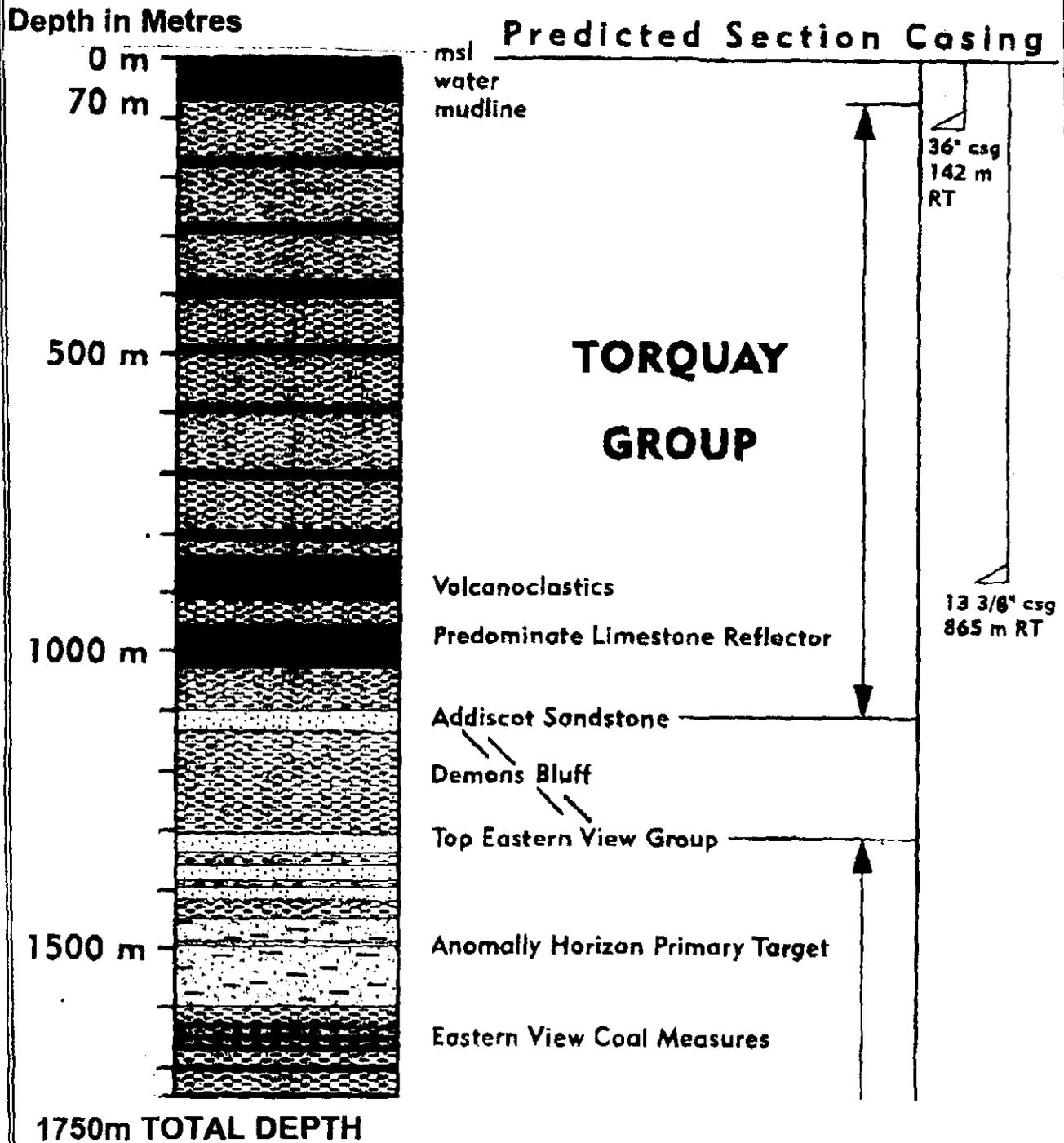
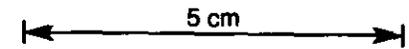


Figure 4: Well Schematic Barramundi-1

5 cm



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BARRAMUNDI-1 (T-27-P)

TIME/DEPTH CURVE

Fig. 5

