



Ass #	856
Bull #	732
State #	348

WESTERN AUSTRALIA

MINISTER FOR THE ENVIRONMENT

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

PROPOSAL: ROLLER OILFIELD DEVELOPMENT, OFFSHORE
ONSLOW (419/856)

CURRENT PROPONENT: WEST AUSTRALIAN PETROLEUM PTY LTD

CONDITIONS SET ON: 9 DECEMBER 1991

Conditions 1 and 2 are amended to read as follows:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

In implementing the proposal, the proponent shall fulfil the commitments made in the Consultative Environmental Review for all developmental, constructional and operational activities proposed as part of the programme specified in the Consultative Environmental Review, as amended on 15 February 1994 and reported on in Environmental Protection Authority Bulletin 732, provided that the commitments are not inconsistent with the conditions or procedures contained in this statement. (A copy of the commitments, including the addendum of 15 February 1994, is attached).

2 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

Subject to the conditions in this amended statement, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

Condition 6 is deleted to allow refuelling procedures in accordance with the addendum to the commitments dated 15 February 1994.

Published on

1 7 MAR 1994

The following condition and procedure are inserted following condition 12:

13 Compliance Auditing

In order to ensure that environmental conditions and commitments are met, an audit system is required.

- 13-1 The proponent shall prepare periodic "Progress and Compliance Reports", to help verify the environmental performance of this project, in consultation with the Environmental Protection Authority and the Department of Minerals and Energy.

Procedure

- 1 The Environmental Protection Authority is responsible for verifying compliance with the conditions contained in this statement, with the exception of conditions stating that the proponent shall meet the requirements of either the Minister for the Environment or any other government agency.
- 2 If the Environmental Protection Authority, other government agency or proponent is in dispute concerning compliance with the conditions contained in this statement, that dispute will be determined by the Minister for the Environment.

Kevin Minson MLA
MINISTER FOR THE ENVIRONMENT

16 MAR 1994

PROPONENT'S COMMITMENTS

INCLUDING THE ADDENDUM OF 15 FEBRUARY 1994

ROLLER OILFIELD DEVELOPMENT, OFFSHORE ONSLOW (419/856)

WEST AUSTRALIAN PETROLEUM PTY LTD

LIST OF COMMITMENTS

West Australian Petroleum Pty. Limited (WAPET) undertakes to abide by all of the commitments made in the Roller Oilfield Development Consultative Environmental Review (CER), and in all cases will fulfill those commitments to the satisfaction of the appropriate statutory authority(s).

The major commitments given by WAPET within the CER are listed in the following section.

ENVIRONMENTAL MONITORING AND EDUCATION

1. Prior to start of construction, the existing Marine Biological Monitoring Programme for the Saladin Field will be expanded to ensure that important marine resources that could be affected by either the development or operation of the Roller field are covered by the monitoring programme, to the satisfaction of the EPA.
2. Before commencement of their duties, each worker or contractor (including workboat and supply vessel crews) will be given an induction including advice on the sensitive nature of the environment in which the drilling rig and oilfield is located.

SAFETY AND OIL SPILL CONTINGENCY

1. Drilling procedure, production operation and maintenance procedure manuals based on WAPET's experience of the Barrow Island and Saladin Fields will be prepared and made available for review by relevant statutory authorities prior to commencement of the relevant operation. These manuals will cover normal and emergency procedures to the satisfaction of EPA on advice from the WA Department of Mines.
2. To improve operational safety, commercial and recreational vessels will not be permitted closer than 500 m to the drilling rig during the construction phase.
3. The drilling rig to be contracted will be capable of withstanding cyclonic wind and wave conditions. Detailed procedures which set out the various levels of responses to cyclones will be contained in the operator's Emergency Procedures Manual.
4. The existing Permit Area TP/3 Oil Spill Contingency Plan (OSCP) will be expanded with insertion of relevant information for the Roller field. WAPET will abide by all procedures detailed in the OSCP, as summarised in Section 6.4.2 of the CER, to the satisfaction of EPA on advice from WA Department of Mines.
5. An oil spill containment boom will be present at the site during drilling. A vessel will be in the vicinity of the drilling rig at all times to deploy the boom and skimmer in the event of an oil spill.
6. During any spill event, WAPET would make available oil spill equipment, vessels, aircraft and personnel to help with containment and clean-up measures.

7. Existing WAPET procedures for cyclone response will be followed to safeguard the wells, rig, offshore structures, vessels and personnel.
8. Where practicable rig refuelling will only take place under favourable metocean conditions.
9. With regard to any oil spill or discharge resulting from the drilling of any well in the Roller Oilfield or production of petroleum there from WAPET makes the following commitments:
 - a) to be fully responsible for the cost of operations conducted by it or any Governmental agency aimed at containing or dispersing or recovering any such petroleum or cleaning-up any areas polluted by such petroleum;
 - b) to promptly pay to any person, company or Government (Federal, State or Local) any damages to which any of those entities is lawfully entitled from WAPET;

to the satisfaction of the Minister for Environment after consultation with the Minister for Fisheries.

DRILLING RIG OPERATIONS

1. Prior to spudding in, the rig operator will conduct surveys and tests in accordance with Department of Mines regulations to ensure stability of the rig and to minimise the risk of abnormal penetration of the seabed during storm conditions.
2. The blowout preventor (BOP) stack will be tested in accordance with Department of Mines regulations after the surface casing has been installed.
3. All casing strings installed below the BOP stack will be pressure tested in accordance with Department of Mines regulations before drilling is resumed.
4. Drilling fluids used will be those approved for offshore use by the Department of Mines.
5. Chrome lignosulphonates will not be used in any drilling fluids.
6. Drill cuttings will be disposed of into the ocean after separation from the drilling fluid through solids control equipment.
7. Drilling fluid residue will be disposed of into the ocean at controlled intervals, under the direction of the drilling superintendent.
8. Oily water collected from the rig floor drains will be ducted to a separation tank where oil is drawn off into drums for shipment to Port Hedland for recycling. Separated water is discharged overboard.
9. Sanitary wastes from the kitchen, showers and laundry will be passed through a sewage treatment plant for comminution and disinfection by chlorination before being discharged overboard. Biodegradable detergents will be used for cleaning functions.

Combustible materials will be burnt on the rig. All non-combustible material including solid food wastes will be returned to the shore base for disposal at an approved land site.

PIPELINES AND OFFSHORE STRUCTURES

1. Surveyors and divers contracted for pipe laying operations will be informed that the discovery of any new shipwreck must be promptly reported to the Marine Department at the Western Australian Museum in accordance with the Marine Archaeology Act 1973.
2. All subsea lines will be stabilised. Pipelines will be trenched where they cross commercial trawling grounds (as identified by members of the Onslow Prawn Trawling Association) lying between Roller A and Ashburton Island. If Option 2 is selected, the various lines between the monopod at Roller D and the modified jack-up rig will run along a piperack bridge.
3. A marine exclusion zone will be required around the monopods and the subsea pipelines (where they cannot be buried). The location and width of the exclusion zones will be determined by consultations between WAPET and the appropriate government authorities.
4. Flowlines transmitting unseparated product (two-phase or three-phase) will be hydrostatically tested, with the test waters disposed of through the production plant at Thevenard Island.
5. Corrosion control of subsurface structures will be by paints, cathodic protection or by a continuous external coating to standards cited by Government codes.

THEVENARD ISLAND FACILITIES

1. No additional temporary accommodation is likely to be needed for the construction and drilling workforce, other than that currently deployed on Thevenard Island for the Cowle and Yammaderry development, and such accommodation will not be installed without first obtaining approval from the Department of Conservation and Land Management (CALM).
2. No additional terminal storage or tanker facilities will be required on Thevenard Island.
3. In the event that the total amount of discharged water at Thevenard Island is likely to exceed the existing total oil and water treatment capacity of the Thevenard Island facility, then additional equipment will be installed to comply with (4) below.
4. The quality of all produced water discharged from the Thevenard Island outfall will comply with Clause 616 of the Specific Requirements as to Offshore Petroleum Exploration and Production 1990 [issued under the provisions of the Petroleum (Submerged Lands) Act 1982].
5. Gas will be flared either offshore beside Roller D (Option 2), or from the ground flare presently located on Thevenard Island.

6. Existing procedures on Thevenard Island for fire control, workforce movements, island flora and fauna protection, custody transfer of produced crude to tankers will be maintained.

OPERATION OF VESSELS AND AIRCRAFT

1. Helicopter pilots will be instructed not to overfly islands.
2. Regular crew transfers between Roller, Thevenard Island and Perth will use existing routes involving helicopter/light aircraft transfers to Barrow Island or other regional airports and chartered commercial flight direct to Perth.
3. All refuelling operations for the supply vessels will be conducted in accordance with strict Port Authority requirements, including continuous visual monitoring and the use of reinforced hoses and fail-safe valves and fittings.
4. It will be a contractual requirement for the various vessels and barges to comply with all State and Commonwealth legislation for the control of pollution and dumping at sea.
5. Masters of barges and supply vessels will be instructed not to allow crew to disturb islands or wreck sites, not to anchor close to coral reefs.

FIELD CLOSURE

1. The wells will be plugged and sealed with concrete and cut off at 4 m below the surfloor, as is presently required by the Department of Mines for the abandonment of dry wells.
2. No subsurface structure will be left protruding from the seabed so as to cause a hazard to navigation or fishing operations.
3. Subsea flow and gas-lift lines will be flooded with seawater and left in situ, unless specific requirements deem their removal in certain areas.



**West Australian
Petroleum
Pty. Limited**

A.C.N. 009 085 367

24th Floor QV1
250 St Georges Terrace
Perth WA 6000
Australia

Postal Address
Box S1580 GPO Perth WA 6001
Australia

Telephone (09) 263 6000
Facsimile (09) 263 6699
Telex AA92008 WAPET

ADDENDUM OF 15 FEBRUARY 1994

15 February 1994

The Chief Executive Officer
Department of Environmental Protection
Westralia Square
141 St George's Terrace
PERTH WA 6000

ATTENTION: MR WARREN TACEY

Dear Sir

SUBJECT: RIG REFUELLING PROCEDURES WITHIN ONSLOW PORT LIMITS

We refer to our letter to WA Department of Marine and Harbours dated 2 July 1993 on the above subject (copy attached).

WAPET requests the Department of Environmental Protection review the refuelling procedures outlined in that letter and if they are found suitable, recommend changes to the Ministerial conditions to reflect those new procedures.

Yours faithfully
WEST AUSTRALIAN PETROLEUM PTY. LIMITED

R J B Young

for R J B YOUNG
Managing Director

Attachment: Letter to Marine and Harbours 2/7/93

2 July 1993

Superintendent Navigation and Pilotage
WA Department of Marine and Harbours
PO Box 402
FREMANTLE WA 6959

ATTENTION: ~~CAPTAIN PJM EVELEIGH~~

Dear Sir

SUBJECT: **RIG REFUELLING PROCEDURES WITHIN ONSLOW PORT
LIMITS**

Following your telephone conversation with Captain C J Sutton and Kellie Pendoley of West Australian Petroleum Pty Limited could you please confirm, in writing, your agreement to the following conditions for refuelling drilling rigs within the Onslow port limits.

1. The rig fuel transfer hoses to be fitted with dry break couplings.
2. A vacuum breaking system to be in place to drain the fuel left in the hose, after completing the transfer, back into the supply vessel tanks.
3. Drip trays to be provided on the supply vessel and rig beneath refuelling hose connections.
4. Suitable absorbent material to be held on the supply vessel and rig to mop up any small spills.
5. The entire refuelling operation will be visually monitored from the supply vessel and from the rig.
6. Transfer of fuel will take place only when the masters of the supply vessel and the rig agree that it is safe to do so and will not take place;
 - (i) for deep water vessels, when winds are greater than 25 kts and swell in excess of 1 m, or
 - (ii) for shallow water supply vessels, when winds are greater than 15 kts and swell in excess of 0.5 m,and providing the supply vessel Master may postpone the transfer should he consider conditions unsuitable for its safe completion.

- 2 -

If you have any questions please contact Kellie Pendoley on Tel No 263 6663.

Yours faithfully

WEST AUSTRALIAN PETROLEUM PTY. LIMITED

ORIGINAL SIGNED BY

R.A. BOWIE

R J B YOUNG

Managing Director

KLP:jst