



WESTERN AUSTRALIA  
MINISTER FOR ENVIRONMENT

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT TO THE  
PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986)

EXPLORATION PERMIT - OIL SEISMIC SURVEY - SANDY POINT, CAPE RANGE

AMPOL EXPLORATION PTY LTD

This proposal may be implemented subject to the following conditions:

1. The proponent shall adhere to the proposal as assessed by the Environmental Protection Authority and shall fulfil the commitments made in the Notice of Intent and the amended commitments (copy of commitments attached).
2. The proponent shall ensure that the bulldozer is walked over the vegetation with the blade up wherever possible and that vegetation is trimmed with minimal disturbance to the topsoil and root stock.
3. The proponent shall contract a qualified botanist to locate rare or restricted vegetation and other sensitive areas to be avoided and shall adhere to that botanist's recommendations. All such sensitive locations shall be undershot if seismic data is required.
4. At least one week prior to commencing work, the proponent's representative shall contact the Department of Conservation and Land Management's District Manager to arrange a suitable field inspection. Either the botanist or an officer nominated by the District Manager, or both, shall be present at start up to confirm standards and the proponent shall ensure that the work of the seismic crew is strictly supervised at all times to ensure maintenance of environmental standards.

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5. Seismic lines intersecting the Sandy Point track shall be "doglegged" adjacent to the track with no blading of the "dogleg", to the satisfaction of the District Manager, Department of Conservation and Land Management.
6. Within one week of completing the survey the proponent shall contact the Department of Conservation and Land Management's District Manager to arrange a site inspection.
7. The proponent shall complete restoration work to a standard and timetable satisfactory to the Department of Conservation and Land Management.

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Bob Pearce, MLA  
MINISTER FOR ENVIRONMENT

15 MAY 1989

LIST OF ENVIRONMENTAL COMMITMENTS BY THE PROPONENT  
IN THE NOTICE OF INTENT

1. All vehicles will be washed prior to first entering the area to help avoid the introduction of foreign seeds, insects and soil borne disease.
2. The seismic crew and sub-contractors will be issued with government and industry guidelines related to correct environmental practices.
3. The line clearance bulldozer will be walked along the line in the subject area with the blade up except where vegetation would impede vehicle access. In areas of vegetation the blade will be used to trim vegetation but leaving the topsoil and root stock as undisturbed as possible.
4. The blade width will be maintained at a width of 4.5 metres (15 feet) and no top soil windrows will be produced. Turning circles will be avoided and vehicular traffic will be kept to a minimum.
5. Detours around trees and significant landscape elements will be made.
6. Where the seismic lines cross minor creek beds, short detours will be found to enable vehicle access without any bulldozer work to the creek banks.
7. A consultant botanist will be contracted to walk proposed seismic lines in order to locate and clearly mark areas of rare and restricted vegetation which will be avoided in subsequent line clearance.
8. A consultant will be contracted to liaise with land management authorities. His responsibilities will include supervision of the field crew to ensure they adhere to the requirements for minimising the environmental impact of the seismic recording. He will also be responsible for supervising any required restoration work.
9. If any significant damage to the three sand dunes traversed by seismic line A89-29 occurs, a restoration process will be implemented whereby original land surface contours will be restored as near as is practical and dune faces will be "brush matted".
10. There are no known aboriginal "Sites of Significance" near the programmed lines. The seismic crew and sub-contractors will be issued with the WA Museums "Notes on the Recognition of Aboriginal Sites" with instructions to comply with the documents recommendations/instructions.
11. Any refuse will be removed from the seismic lines and also transported from the crew camp to an appropriate disposal site outside the National Park and Commonwealth Lands.
12. No drilling mud with additives will be used during drilling of the three required upholes within the National Park. Only air and fresh water will be used to facilitate drilling.
13. No firearms or domestic pets will be taken into the National Park or Location 97. No cooking or camp fires will be allowed within the National Park or Location 97.

14. Access to and from, and the movement of vehicles within the National Park will be restricted to existing tracks and the seismic lines.
15. Cut vegetation will be re-distributed along cleared lines in the National Park as required to provide more seed stock for natural revegetation.
16. Ampol Exploration Limited will undertake to carry out a visual inspection of the seismic lines in the National Park and Location 97, approximately one year after the survey. A report including photographs of the lines will be submitted to the designated authority for review.
17. Ampol Exploration Limited will liaise with CALM fully informing them of the planned seismic survey and obtaining advice on acceptable land management practices.
18. Ampol Exploration Limited will submit weekly reports to the Petroleum Division of the Western Australia Mines Department and the designated manager of the Department of Conservation and Land Management on the progress of the seismic generations in the National Park and Location 97.
19. Prior to cessation of seismic crew activity in the subject area, Ampol Exploration Limited will notify the Petroleum Division of the Western Australian Mines Department and the designated manager of the Department of Conservation and Land Management so that arrangements can be made for an inspection of the area if required.

## LIST OF ADDITIONAL ENVIRONMENTAL COMMITMENTS BY THE PROPONENT

1. After discussions with earthmoving contractors and experienced seismic consultants it was determined that the use of a roller on the rock terrain has the potential to cause more damage than the bulldozer alone with the blade raised above ground level. Please note that I am informed that the grader would not be capable of pulling a roller over the rocky terrain and several cuts would be needed since the roller is only 8 feet wide.
2. The programmed location of line A89-29 has been changed using topographic maps to avoid traversing any sand dunes within the Cape Range National Park as shown on the attached enclosure (Figure 2). The line bends may reduce the quality of resulting seismic data but is preferential to moving the entire line 1 km northeast. In the National Park vehicles will not traverse any sand dunes.
3. Provision will be made to have a quantity of absorbent sand carried by the crew. In the unlikely event of an oil or fuel spill sand will be spread on the spill and then be removed from the area. This should leave no trace of oil or fuel.
4. Restoration requirements will be minimal after redistribution of cut flora back on the line because it is intended to minimise root disturbance by not cutting root stock, ie the bulldozer blade will not move soil or rock material. Regrowth should be natural and although it may take more than 12 months should be complete. The CALM will inspect and advise if restoration work done is adequate.
5. As stated in item 19 of page 10 of the Notice of Intent, representation from the CALM or other environmental officer can review the result of field work.
6. No mud or additives will be used therefore no slurry will be made. The volume of natural rock cuttings will be approximately 0.5 cubic metres for each of the three 4" holes drilled in the park. Much of this material will be shovelled back in the hole after the recording is made leaving very little in the way of remnant cuttings.
7. There will be no seismic recording on the creek banks. Vibrator sweep locations will be skipped to accommodate this.
8. As stated in the Notice of Intent a detailed field review was carried out. At this time no caves were evidenced in the proximity of seismic lines within the National Park.
9. All seismic crew personnel will be instructed not to disturb any fauna in the area.