

# RELEVANT PERSON CONSULTATION

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Petrel Exploration Drilling  
**August 2026**

# Petrel Exploration Activities

Eni, through its subsidiary Eni Energy Bonaparte Pty Ltd, is the titleholder of the Petrel Gas Field (Petrel) in the Bonaparte Basin in North Western Australia. The Petrel Field, discovered in 1969, is located across two retention leases, NT/RL1 and WA-6-R, ~240km west of Darwin.

Eni is proposing to undertake exploration drilling within the Petrel retention leases in the Bonaparte Basin to support potential future Petrel exploration and development activities.

The proposed activities will take place in accordance with the **Offshore Petroleum and Greenhouse Gas Storage Environment Regulations 2023 (Cth) (Environment Regulations)** and Eni is preparing the Environment Plan (EP) to submit to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA).

The EP will be published for public comment on NOPSEMA's website for a minimum of four weeks prior to formal assessment. NOPSEMA will provide all public comments received during that period to Eni for consideration.

The EP covers the following activities:

- Drilling;
- Well evaluation – reservoir appraisal activities;
- Well abandonment:
  - Temporary abandonment (TA);
  - Permanent abandonment (PA), including wellhead recovery;
- As-left survey;
- Contingency activities;
- Well integrity monitoring of TA wells (if required); and
- Support operations – includes use of a mobile offshore drilling unit (MODU), support vessels, helicopters, and remotely operated vehicles (ROVs).

## ACTIVITIES, DURATION AND TIMING

Eni proposes drilling between one to four exploration and/or appraisal wells over several campaigns, with the initial well forecast from mid-2028 in a single-well campaign.

Up to three additional wells may be drilled, either individually or in campaigns of multiple wells, within the remaining five-year validity of the EP. The timing of these subsequent activities has not been finalised.

Activity timing and duration may be subject to change due to project requirements, rig/vessel availability, weather and unforeseen circumstances. The EP assumes the activities may be undertaken at any time of year over the five-year validity of the EP.

## LOCATION

The Petrel Field is located in Commonwealth waters, offshore North Western Australia within two adjacent retention leases, NT/RL1 and WA-6-R, around 240km west of Darwin in water depths ranging from 84m to 107m.

The retention leases are an estimated 154km to the closest point on the NT coastline, near Wadeye, and around 144km from the closest point on the WA coastline. The Operational Area (OA) is defined as the boundary of retention leases WA-6-R and NT/RL1. (Refer to **Figure 1**)

The final location of the exploration or appraisal wells is not currently known until geophysical and geotechnical surveys have been undertaken; but will be located within the OA.

## CONSULTATION

As required by NOPSEMA, Eni must consult with people whose functions, interests and activities may be affected by the proposed exploration drilling activities. Environment Regulations refers to such people as relevant persons. This fact sheet provides you with information to determine if you are a relevant person for the Petrel exploration drilling activities.

You may be a relevant person if you or your organisation has functions, interests, or activities that may be affected by the offshore petroleum activities proposed under the EP being prepared. Interests that may be affected can include things like cultural and spiritual connections to the sea or interests in the protection of specific marine species.

## FEEDBACK

If you think you may be a relevant person, please review this information and provide any feedback to Eni. Additional information can be found online at [petreleni.com.au](http://petreleni.com.au).

You are invited to submit your advice on control measures to mitigate potential impact (if any) that the proposed activities may have on you. We are seeking feedback by **12 October 2026**.

### CONTACT ENI

Email: [info@petreleni.com.au](mailto:info@petreleni.com.au)  
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Figure 1: Operational Area, ZPI and EMBA

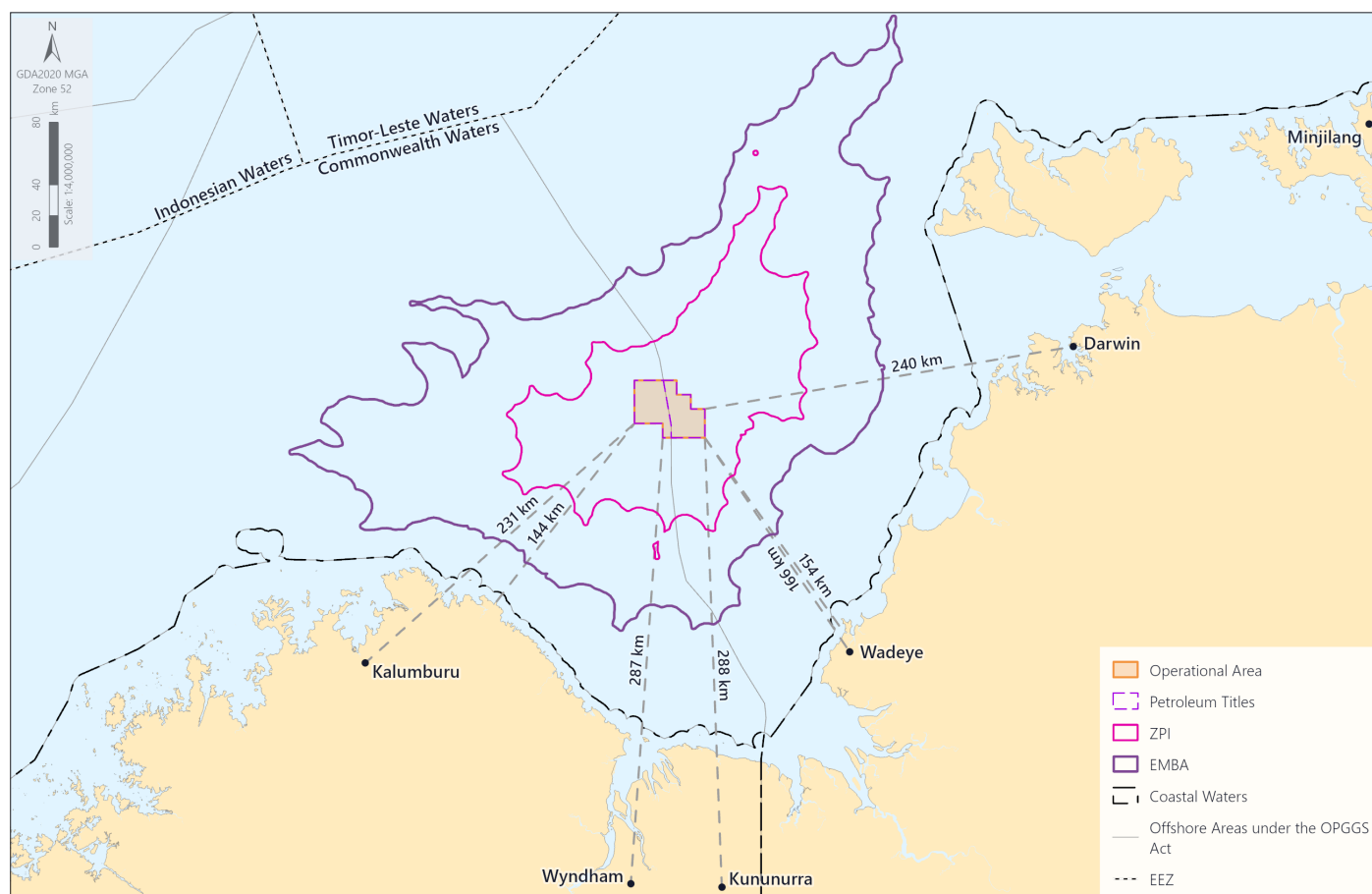


Table 1 - Planned Activities – Duration and Timing\*

| Activity                                                                                                                                                | Duration (per well)                                                                                                                                                                                                                                                                                                                                                      | Timing                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Drilling</b>                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |
| Drilling of up to four (4) exploration and/or appraisal wells.<br>(Rig activity will be supported by helicopters, vessels and a supply base in Darwin). | <ul style="list-style-type: none"> <li>150 days per well (allowing for contingency, sidetracks, well testing and permanent abandonment).</li> <li>If pre-lay anchors are used, one to two Anchor Handling Supply Vessels (AHSV) will be required on location for an additional two weeks prior to the start of operations and two weeks following completion.</li> </ul> | <p><b>Initial well</b><br/>Mid-2028</p> <p><b>Subsequent wells</b><br/>Anytime within five (5) year validity of the EP.</p> |
| <b>Well integrity monitoring (if required)</b>                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |
| General Video Inspection (GVI) survey of any TA wells, as per in-force Well Operations Management Plan (WOMP)                                           | <ul style="list-style-type: none"> <li>Two (2) days per well.</li> <li>Assume under two (2) weeks if required for all four (4) wells.</li> </ul>                                                                                                                                                                                                                         | Once within the three (3) year TA period, or until permanent abandonment (within five (5) year validity of the EP).         |
| <b>Abandonment</b>                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |
| Permanent abandonment of TA wells.                                                                                                                      | <ul style="list-style-type: none"> <li>20 days per well.</li> </ul>                                                                                                                                                                                                                                                                                                      | Anytime within the five (5) year validity of the EP.                                                                        |

\* The general transit of the MODU and vessels to and from the Operational Area is not considered a petroleum activity and is excluded from the scope of the EP. These activities will be undertaken in accordance with the Navigation Act 2012 (Cth).

Table 2 - Location Details Permits NT/RL1 and WA-6-R

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| <b>Operational Area</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |       |
| <p>The OA is a defined area within which all petroleum activities associated within the EP occur, and which allows impact assessment of those activities. It includes the extent of all planned activities within the EP and is defined to cover the spatial extent of future exploration and development of the Petrel field. The OA is defined as the boundary of the licenses WA-6-R and NT/RL1.</p> <p>The location of the exploration or appraisal wells is not currently known until geophysical and geotechnical surveys have been undertaken; but will be located within the OA.</p> <p>The OA is located wholly within Commonwealth waters. There are no islands or other emergent features within or adjacent to the OA and the water depth ranges between 84 to 107m.</p> <p>The general transit of the MODU and vessels to and from the OA is not considered a petroleum activity and is excluded from the scope of the EP. These activities will be undertaken in accordance with the <b>Navigation Act 2012 (Cth)</b>.</p> |           |       |
| <b>Nearest proximity to Key Regional Features</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |       |
| From Permit Boundary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Darwin    | 240km |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Wadeye    | 166km |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Wyndham   | 287km |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Kalumburu | 231km |
| <b>Exclusion Zone</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |       |
| Exclusion and cautionary zones will be in place during the activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |       |
| <b>Worst case hydrocarbon spill</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |       |
| Assessment of the worst case hydrocarbon spill included the unplanned release of marine diesel oil (MDO) resulting from a vessel collision, and the unplanned release of condensate following a loss of well control. (Refer to the <b>Table 3 - Risks and Mitigations</b> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |       |

## ENVIRONMENT THAT MAY BE AFFECTED (EMBA)

The Environment That May Be Affected (EMBA) is the area where the activity could potentially affect the environment, including in the unlikely event of an unplanned incident. The outermost boundary of the EMBA for this activity has been conservatively estimated using the combined modelling outputs of two separate and highly unlikely hydrocarbon release scenarios, including the unplanned release of marine diesel oil (MDO) resulting from a vessel collision, and the unplanned release of condensate following a loss of well control.

The environmental impacts from planned activities will mostly be limited to within the OA. The zone of potential impact (ZPI) or moderate exposure zone is smaller than the EMBA and represents the area where biological impacts may occur due to hydrocarbons released to the environment in the event of a vessel collision or loss of well control.

The loss of hydrocarbons to the environment is highly unlikely, and Eni implements a range of preventative measures to minimise the risk. The EMBA is shown in **Figure 1**.

Scientific modelling is used to assess the potential impacted zone should an unplanned hydrocarbon spill occur (e.g.: vessel collision). The EMBA is derived from this spill modelling, which incorporates hundreds of simulations across a range of wind and ocean current conditions. More information can be found in NOPSEMA's bulletin for oil spill modelling available at [petreleni.com.au](http://petreleni.com.au).

## ENVIRONMENTAL MANAGEMENT

Eni conducted an Environmental Impact Identification workshop to confirm and assess impacts, risks and management measures for the activities identified in the EP.

A table of risks and assessments generated based on existing knowledge and experience, is provided in **Table 3**. A detailed list of the identified risks, assessment and mitigation can be found in the published Environment Plan (EP). This information will be available during the public comment period prior to assessment by the regulator.

## RELEVANT PERSON COMMENT AND FEEDBACK

Eni is seeking comment from relevant persons in relation to any potential impact that the proposed activities, covered by the Petrel Exploration Drilling Environment Plan, may have on your functions, interests or activities as a relevant person.

If you wish to provide any comment or feedback on these activities, please do so by **12 October 2026** to the contact details provided. If you know anyone who may be a relevant person, we ask that you make them aware of our consultation.

Eni treats all information provided by you as confidential, with the exception of providing information to NOPSEMA. Eni is required to provide NOPSEMA with details of all correspondence with relevant persons, including copies of written correspondence. NOPSEMA routinely publish environment plans under assessment or which have been accepted on their website.

Personal information (other than name and contact details) is sensitive information and will not be published in the EP. You can request that any material provided to Eni, including your name and contact details, be treated as sensitive information not to be published in the Petrel Exploration Drilling Environment Plan.

All comments provided will be considered in the Petrel Exploration Drilling Environment Plan to be submitted to NOPSEMA, in accordance with the **Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2023**.

Please let us know if your feedback for this activity is sensitive and we will make this known to NOPSEMA in order for this information to remain confidential to NOPSEMA. If you wish to opt out of our consultation process after reviewing the information in this letter, please let us know via email. Please consider NOPSEMA's advice in the **Consultation on Offshore Petroleum Environment Plans – Information for the Community** brochure which can be found at the activity landing page at [petreleni.com.au](http://petreleni.com.au).

### CONTACT ENI

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**Table 3 – Summary of Potential Key Environmental Impact/Risks and Management Measures**

The potential key environmental impacts listed below are assumptions based on existing experience in the region and conducting similar activities. Final impacts, risks and management measures will be updated on the activity landing page at [petreleni.com.au](http://petreleni.com.au).

| Aspect                                         | Description                                                                                                                                                                                                                                                                                                                                                                                    | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Proposed Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planned Impacts                                |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Seabed disturbance                             | <p>Seabed disturbance will be caused by:</p> <ul style="list-style-type: none"> <li>Positioning of the mobile offshore drilling unit (MODU), if a moored or jack-up MODU is used.</li> <li>Anchoring of support vessels, if required.</li> <li>Drilling.</li> <li>Wellhead removal.</li> </ul>                                                                                                 | <p>Seabed disturbance will cause a localised and temporary reduction in water quality, and disturbance to benthic habitat.</p> <p>The maximum seabed disturbance footprint is from MODU positioning, if a moored MODU is used.</p> <p>In this case, up to 12 anchors and mooring lines will be laid, giving a maximum footprint of 0.0725km<sup>2</sup> per well.</p> <p>There is no sensitive benthic habitat, Marine Parks or Key Ecological Features (KEFs) in the Operational Area.</p>                                                                                                                                             | <ul style="list-style-type: none"> <li>MODU move and anchoring procedure (including mooring analysis).</li> <li>All deployed equipment will be recovered.</li> <li>Post-activity ROV survey will be conducted.</li> <li>MODU station-keeping system.</li> <li>Lifting management procedure.</li> <li>Exclusion zone around the SEDCO Helen shipwreck.</li> </ul>                                                                                                                                                                                                                                                                                                                             |
| Physical interaction – Other marine users      | <p>The physical presence of the MODU and movement of the vessels within the Operational Area can interfere with other marine users by causing displacement from the area during activities.</p>                                                                                                                                                                                                | <p>The Operational Area is retention leases WA-6-R and NT/RL1.</p> <p>Activities in the Operational Area are of short duration, expected to last up to 150 days per well for the longest campaign.</p> <p>Two active fisheries overlap the Operational Area; however, these commercial fisheries have recorded limited historical catch effort data within the area. There are no tourism or recreational fishing activities expected in the Operational Area due to distance from shore.</p> <p>The Operational Area overlaps with a defence practice area (Darwin AWR West) and training area (Northern Australia Exercise Area).</p> | <ul style="list-style-type: none"> <li>Navigation equipment and procedures, in accordance with legislative requirements.</li> <li>Consultation with relevant persons (including notification requirements)</li> <li>Maritime notices will be complied with.</li> <li>All activities will occur within the Operational Area.</li> <li>Exclusion and cautionary zones will be in place.</li> <li>Lighting will be used as required for safe work conditions and navigational purposes.</li> <li>Eni petroleum activities simultaneous operations (SIMOPS) management.</li> </ul>                                                                                                               |
| Atmospheric emissions and greenhouse gas (GHG) | <p>Atmospheric and GHG emissions are generated by the MODU, vessels and helicopters as a result of combustion for power generation.</p> <p>The MODU and vessels may also use ozone depleting substances (ODS) in refrigeration systems.</p> <p>Flaring will be limited to the minimum time required for well evaluation.</p> <p>No waste will be incinerated on board the MODU or vessels.</p> | <p>Hydrocarbon combustion may result in a temporary, localised reduction of air quality in the environment immediately surrounding the release point.</p> <p>Non-GHG emissions (such as NO<sub>x</sub> and SO<sub>x</sub>) and GHG emissions can lead to a reduction in local air quality.</p> <p>Given the short duration of the campaigns (up to 150 days per well) and flaring (up to 48 hours per well over a period of five days), and relatively low fuel usage, the contribution of atmospheric and GHG emissions to the global carbon budget is expected to be insignificant and is not evaluated further.</p>                  | <ul style="list-style-type: none"> <li>Use low sulphur fuel on the MODU and vessels, in accordance with legislative requirements (e.g., Marine Orders).</li> <li>Bulk solids transferred in accordance with bulk transfer procedures to reduce the risk of an unintentional release to sea and air.</li> <li>ODS managed in accordance with MARPOL.</li> <li>Compliance with regulatory requirements for marine air pollution and GHG missions reporting.</li> <li>MODU and vessel Planned Maintenance System (PMS) in place to maintain DP, engines and machinery.</li> <li>No waste incineration onboard the MODU and vessels.</li> <li>Eni Marine assurance standard in place.</li> </ul> |

| Aspect                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                         | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Proposed Management                                                                                                                                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planned Impacts              |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                           |
| Noise emissions - Continuous | Continuous noise emissions will be generated by the operation of the MODU, support vessels, helicopters, ROV, well drilling and removal of the wellheads.                                                                                                                                                                                                                                                                                           | <p>Underwater noise emissions can cause:</p> <ul style="list-style-type: none"> <li>• a change in marine fauna behaviour.</li> <li>• mask communication.</li> <li>• temporary or permanent hearing loss.</li> </ul> <p>The greatest source of noise emissions is if a MODU on Dynamic Position (DP) is used (from thruster noise), and its support vessels.</p> <p>The Operational Area does not overlap with any biologically important areas (BIAs) for marine mammals, fish or sharks. It does overlap with 4 species of marine turtles. However, any individuals present would be transitory.</p> <p>Potential impacts are likely to be restricted to localised and temporary avoidance behaviour. Given the short duration of the MODU campaign (up to 150 days per well), the potential impacts are considered low.</p> | <ul style="list-style-type: none"> <li>• Compliance with administrative controls (such as EPBC Regulations Part 8) to reduce interactions with marine fauna.</li> <li>• MODU and vessel PMS in place to maintain DP, engines and machinery.</li> <li>• Eni Marine assurance standard in place.</li> </ul> |
| Noise emissions - Impulsive  | <p>Impulsive noise emissions will be generated by MODU positioning and well evaluation.</p> <p>Acoustic transponders (long baseline and/or ultra-short baseline) may be used to support MODU anchor positioning, where a moored MODU is used.</p> <p>Well evaluation is required to collect data on the well and surrounding formation. Wireline logging and vertical seismic profiling (VSP) may be performed as part of formation evaluation.</p> | <p>The Operational Area does not overlap with any BIAs for marine mammals, fish or sharks. It does overlap with 4 species of marine turtles. However, any individuals present would be transitory.</p> <p>The impulsive noise emissions generated by the transponders and well evaluation techniques may result in localised and temporary behavioural changes to marine fauna within tens or hundreds of metres.</p>                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• Compliance with administrative controls (such as EPBC Regulations 8 (Part 8) and EPBC Act Policy Statement 2.1 to reduce interactions with marine fauna.</li> </ul>                                                                                              |

| Aspect                       | Description                                                                                                                                                                                                                                                                                              | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Proposed Management                                                                                                                                                                                                                                                                             |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planned Impacts              |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                 |
| Light emissions              | <p>Lights on the MODU and vessels will be required on a 24-hour basis during the activities for safety and navigational purposes, in accordance with navigational requirements.</p> <p>Flaring will be limited to the minimum time required for well evaluation.</p>                                     | <p>Light emissions have the potential to result in changes to marine fauna behaviour, by acting as an attractant to light-sensitive species, leading to possible increased predation and/or disorientation.</p> <p>There is no potential to impact nesting females or hatchlings.</p> <p>The closest nesting habitat critical for marine turtles is ~78km from the 20km buffer used for light impact assessment – meaning light from the MODU and vessels is not visible from shore; and there is no potential to impact nesting females or hatchlings.</p> <p>The Operational Area does not overlap any BIAs for seabirds, and is &gt;144km from shore, meaning there is no potential to impact fledging behaviour.</p> <p>There is potential a small number of adult seabirds and migratory shorebirds may be attracted to the MODU and vessels, however given the short duration of the campaigns (up to 150 days per well) and flaring (up to 48 hours per well over a period of five days), this is considered minor.</p> | <ul style="list-style-type: none"> <li>• Lighting will be used as required for safe work conditions and navigational purposes.</li> </ul>                                                                                                                                                       |
| Planned discharges - Routine | <p>Operation of MODU and vessels will routinely discharge the following to the marine environment:</p> <ul style="list-style-type: none"> <li>• sewage</li> <li>• greywater</li> <li>• putrescible waste</li> <li>• treated bilge</li> <li>• cooling water and brine</li> <li>• deck drainage</li> </ul> | <p>A temporary and localised impact on water quality may result in a change in water quality and changes to predator-prey dynamics.</p> <p>Given the relatively low volume and intermittent nature of planned MODU and vessel discharges, the short duration of the campaigns (up to 150 days per well), the water depth and open ocean environment of the Operational Area, the potential impact is expected to be localised to the immediate proximity of the release, and of short duration.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>• All routine marine discharges will be managed according to legislative requirements (e.g. Marine Orders).</li> <li>• MODU and vessel PMS in place to maintain DP, engines and machinery.</li> <li>• Eni Marine assurance standard in place.</li> </ul> |

| Aspect                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Proposed Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Planned Impacts                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Planned discharges – drilling and well abandonment      | <p>Drilling and well abandonment activities may result in the following discharges to the marine environment:</p> <ul style="list-style-type: none"> <li>drilling fluids (mix of seawater, clay (or gel) and additives such as barite, chalk, polymer and polyamine).</li> <li>drill cuttings.</li> <li>water based mud (WBM).</li> <li>cement and cement additives.</li> <li>inhibited seawater (chemical additives include biocide, oxygen, scavenger, dyes, corrosion inhibitor).</li> <li>control (hydraulic) fluid.</li> <li>excess bulk dry products.</li> <li>chemicals (brines, weak acids, weighting materials, lost circulation materials).</li> </ul> <p>No synthetic based mud will be used.</p> | <p>Discharges of muds and other fluids have the potential to impact to:</p> <ul style="list-style-type: none"> <li>Water quality.</li> <li>Sediment quality and benthic habitat.</li> <li>Local marine fauna.</li> </ul> <p>The benthic fauna and seabed at the Operational Area is widely represented on the Joseph Bonaparte Gulf.</p> <p>Given the quantities of the discharges, the low toxicity of WBM and cement and high dispersion in the open, offshore environment, any impact on the marine environment from the discharges are expected to be minor and temporary.</p> <p>Recovery of water quality conditions is expected within hours after the cessation of the discharges.</p> <p>Cement discharge impacts to the marine environment are associated with smothering of benthic and infauna communities in the vicinity of the wells. Due to the localised area of disturbance, impacted benthic communities are expected to rapidly recolonise any disturbed areas upon completion of the activities.</p> | <ul style="list-style-type: none"> <li>Quality control for barite to limit contaminant concentrations.</li> <li>Monitoring use of barite and cement.</li> <li>Unused bulk product on the MODU will be managed in accordance with a decision framework to restrict the discharge of leftover bulk products to ALARP.</li> <li>Industry collaboration on management of unused bulk products.</li> <li>Cuttings management system will be implemented for all drill cuttings returned to the MODU.</li> <li>Chemical risk assessment process will be implemented to select chemicals to reduce impact to as low as reasonably practicable (ALARP) and acceptable levels.</li> </ul> |
| Unplanned Risks                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Interaction with other marine users – Wellhead presence | <p>If the well is temporarily abandoned following drilling completion, the wellhead may remain in place for up to 3 years. The physical presence of the wellhead may cause an impact to other marine users (e.g. commercial fisheries, petroleum industry, or shipping).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Temporarily abandoned wells may be present on the seabed up to 3 years. The height of the wellheads is ~3m above the seabed.</p> <p>Two active fisheries overlap the Operational Area; however, these commercial fisheries have recorded limited historical catch effort data within the area.</p> <p>There are no tourism or recreational fishing activities expected in the Operational Area due to distance from shore.</p> <p>The Operational Area overlaps with a defence practice area (Darwin AWR West) and training area (Northern Australia Exercise Area).</p> <p>There are no known recognised major shipping routes within the Operational Area. Given the water depth (~84 - 107m) and height of the wellheads (~3m), any disturbance or displacement of shipping traffic is consider unlikely.</p>                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Wellheads are charted on Australia Hydrographic Office (AHO) nautical charts so that marine users are aware of their location.</li> <li>AHO and any other stakeholders who requested to be informed of wellhead locations (i.e fisheries) are notified.</li> <li>Decommissioning framework.</li> </ul>                                                                                                                                                                                                                                                                                                                                    |

| Aspect                                        | Description                                                                                                                                                                                                                                                                              | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Proposed Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unplanned Risks                               |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Marine fauna interaction                      | <p>There is the potential for vessels to collide with marine fauna, including marine mammals, fish, marine reptiles and seabirds.</p> <p>The main collision risk is through vessel collision with large, slow-moving cetaceans, potentially resulting in severe injury or mortality.</p> | <p>Given the short duration of the campaigns (up to 150 days per well), and the slow speeds at which vessels operate, collisions with marine fauna are considered highly unlikely.</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p>                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>• Compliance with administrative controls (such as EPBC Regulations Part 8) to reduce interactions with marine fauna.</li> <li>• Any vessel strikes with cetaceans will be reported in the National Ship Strike Database.</li> <li>• Observations of the surroundings will be undertaken from the vessel/s for marine fauna.</li> </ul>                                                                                                                                                                                                                                                                     |
| Introduction of invasive marine species (IMS) | <p>There is the potential for introduction and establishment of invasive marine pests to the operational area via vessels ballast water or biofouling on vessel hulls.</p>                                                                                                               | <p>The risk of introducing IMS is limited by the depth of the Operational Area (&gt;50m), which is not directly adjacent to any shallow shoals or banks. The substrate in the operational area does not have any hard substrate to which IMS can attach.</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p>                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• An IMS risk assessment tool will be implemented for vessels to reduce IMS risk to 'low risk'.</li> <li>• Vessels will comply with biosecurity requirements for ballast water and biofouling and comply with the Maritime Arrivals Reporting System (MARS).</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
| Accidental release – waste and solid objects  | <p>There is the potential for the accidental disposal of hazardous wastes (e.g. hydrocarbon contaminated materials, batteries, paint cans) and non-hazardous solid wastes (e.g. paper and cardboard, wooden pallets, scrap steel, rope, glass and plastics).</p>                         | <p>The accidental release of wastes can cause a temporary and localised reduction in water quality, and the potential for marine fauna to ingest or become entangled with solid waste (garbage).</p> <p>If equipment is dropped, this may cause disturbance or smothering of benthic habitats. This is a small area; and benthic habitats are known to rapidly recover. There are no KEFs or sensitive benthic habitat in the operational area.</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p> | <ul style="list-style-type: none"> <li>• Procedures to reduce the potential for loss of nonhazardous and hazardous waste and dropped objects to be followed.</li> <li>• Dropped objects to be retrieved where possible.</li> <li>• Lifting management procedures will be implemented.</li> <li>• For hazardous chemicals, including hydrocarbons, hazardous chemical management procedures will be in place to reduce the risk of an accidental release to sea.</li> <li>• Chemical risk assessment process will be implemented to select chemicals to reduce impact to as low as reasonably practicable (ALARP) and acceptable levels.</li> </ul> |

| Aspect                                                        | Description                                                                                                                                                                                                                                                                                                                                                                              | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Proposed Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Unplanned Risks                                               |                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Accidental release – Minor loss of containment                | <p>Minor volumes of hydrocarbon or other chemicals (e.g. hydraulic fluids, deck spills) may be accidentally released to the marine environment due to:</p> <ul style="list-style-type: none"> <li>• Bulk product spills (e.g. cement, barite).</li> <li>• Loss of primary/secondary containment</li> <li>• Incorrect handling and storage</li> <li>• ROV failure.</li> </ul>             | <p>Minor accidental releases of hydrocarbons or chemicals can cause a change in water quality. Expected volumes are small (&lt;1m<sup>3</sup>), and there is no potential for injury or mortality to marine fauna.</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• Response plans and equipment will be in place and maintained to manage spills to the environment (e.g., NOPSEMA-accepted OPEP, SOPEP).</li> <li>• Chemical assessment procedure will be implemented to select chemicals to reduce impact to as low as reasonably practicable (ALARP) and acceptable levels.</li> <li>• For hazardous chemicals, including hydrocarbons, hazardous chemical management procedures will be in place to reduce the risk of an accidental release to sea.</li> <li>• ROV inspection and maintenance procedures.</li> <li>• Procedures to reduce the potential for loss of non-hazardous and hazardous waste and dropped objects to be followed.</li> <li>• MODU and vessel PMS in place to maintain DP, engines and machinery.</li> </ul>                                                                                                                                                 |
| Accidental release – Condensate (Loss of Well Control (LOWC)) | <p>A release of up to 204,750bbl of Petrel condensate could occur following a LOWC event due to factors such as:</p> <ul style="list-style-type: none"> <li>• mechanical failure.</li> <li>• corrosion.</li> <li>• loss of effective well control.</li> <li>• dropped objects onto the well envelope.</li> <li>• human error.</li> <li>• loss of station keeping of the MODU.</li> </ul> | <p>An accidental release of condensate can cause a change water quality, a change in fauna behaviour, injury or mortality to marine fauna and an impact to other marine users.</p> <p>Potential impacts include those to plankton, fish, marine turtles, marine mammals, seabirds and migratory shorebirds, commercial fisheries, and cultural heritage.</p> <p>Petrel condensate is a volatile, non-persistent hydrocarbon with rapid evaporation on the sea surface (typically ~98% within the first 24 hours).</p> <p>Hydrocarbon spill modelling does not predict any shoreline contact.</p> <p>Two active fisheries overlap the Operational Area; however, these commercial fisheries have recorded limited historical catch effort data within the area. There are no tourism or recreational fishing activities expected.</p> <p>The Operational Area overlaps with a defence practice area (Darwin AWR West) and training area (Northern Australia Exercise Area).</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p> | <ul style="list-style-type: none"> <li>• NOPSEMA-accepted Well Operations Management Plan (WOMP) will be in force and includes control measures for well integrity that reduce the risk of an unplanned release of hydrocarbons.</li> <li>• NOPSEMA-accepted MODU Safety Case will be in place and includes control measures for well control that reduce the risk of an unplanned release of hydrocarbons.</li> <li>• In the event of an oil spill to sea, OPEP requirements will be implemented to mitigate environmental impacts.</li> <li>• Response plans and equipment will be in place and maintained to manage spills to the environment (e.g., NOPSEMA-accepted OPEP).</li> <li>• Where required, operational and scientific monitoring undertaken in accordance with Eni's NOPSEMA-accepted OSMP.</li> <li>• Eni Marine assurance standard in place.</li> <li>• Consultation with relevant persons (including notification requirements).</li> </ul> |

| Aspect                                      | Description                                                                                                                                                                                                                                                                                                                                                | Potential Impact / Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Proposed Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Unplanned Risks                             |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Accidental release – MDO (vessel collision) | <p>A release of up to 300m<sup>3</sup> of MDO could occur from a collision between the activity vessels and a third-party vessel due to factors such as human error, navigational error, vessel equipment failure or poor weather.</p> <p>A smaller volume of MDO (~50m<sup>3</sup>) could be released during bunkering (i.e. refuelling of the MODU).</p> | <p>An accidental release of MDO can cause a change in water quality, a change in fauna behaviour, injury or mortality to marine fauna and an impact to other marine users.</p> <p>Potential impacts include those to plankton, fish, marine turtles, marine mammals, seabirds and migratory shorebirds, commercial fisheries, and cultural heritage.</p> <p>MDO is a relatively volatile, non-persistent hydrocarbon with rapid evaporation on the sea-surface (typically ~36% within the first 24 hours).</p> <p>Hydrocarbon spill modelling does not predict any shoreline contact.</p> <p>Two active fisheries overlap the operational area; however, these commercial fisheries have recorded limited historical catch effort data within the area. There are no tourism or recreational fishing activities expected.</p> <p>The Operational Area overlaps with defence practice and training areas (Darwin AWR West) and training area (Northern Australia Exercise Area).</p> <p>Eni will apply control measures to ensure the likelihood of the event occurring is reduced to ALARP and acceptable levels.</p> | <ul style="list-style-type: none"> <li>• Pre-start notifications will be issued.</li> <li>• Regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements.</li> <li>• Use of MDO rather than HFO on vessels.</li> <li>• Bulk liquid and bulk solid transfer procedures and refuelling procedures implemented to reduce the risk of a release to sea.</li> <li>• In the event of an oil spill to sea, OPEP and SOPEP requirements will be implemented to mitigate environmental impacts.</li> <li>• Response plans and equipment will be in place and maintained to manage spills to the environment (e.g., NOPSEMA-accepted OPEP, SOPEP).</li> <li>• Vessels selected and on-boarded are operated, maintained and manned in accordance with industry standards (Marine Orders) and regulatory requirements.</li> <li>• Where required, operational and scientific monitoring undertaken in accordance with Eni's NOPSEMA-accepted OSMP.</li> <li>• Use low sulphur fuel on the MODU and vessels, in accordance with legislative requirements (e.g., Marine Orders).</li> <li>• Eni Marine assurance standard in place.</li> <li>• Consultation with relevant persons (including notification requirements).</li> </ul> |



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