

# Enterprise Wellsite

## Notice of Operations - Production



Wellsite facilities preliminary concept layout

Notice of Operations – Production | March 2023

## Project Background

**The Enterprise Project is part of Beach Energy's broader program of work to develop additional offshore natural gas reservoirs in the Victorian Otway Basin to maintain supply from the existing Otway Gas Plant**

The Enterprise reservoir is located offshore, up to 3 nautical miles (5.55 km) from the coastline. The wellsite is located onshore, approximately 4 km west of Port Campbell and approximately 7 km east of Peterborough. A successful exploration well was drilled in December 2020.

To facilitate production from the Enterprise reservoir, construction activities involve the addition of well control facilities at the existing wellsite and the construction of a pipeline to the Otway Gas Plant (OGP) and minor modifications at the OGP to tie-in the new product stream. Project construction activities currently underway are being undertaken in accordance with regulatory approvals granted by the Victorian government under other legislation and are not the subject of this Notice.

Subject to final land access and regulatory approvals wellsite construction activities are planned to be completed by early 2024. Commissioning works, including the introduction of gas, is expected to commence late 2023/early 2024 subject to the progress of all required approvals and procurement of equipment. The commencement of regular production operations is expected to commence by early 2024.

The success of the Enterprise project will help ensure the continued supply of raw gas to the Otway Gas Plant for processing and supply to the Australian domestic market.

This Notice of Operation provides information on the proposed petroleum operation as required under section 161 (1A) of the *Petroleum Act 1998* (Act) and section 23 of the *Petroleum Regulations 2021* (Regulations).

The proposed petroleum operation includes facilities gas commissioning, and the ongoing operation and maintenance of the Enterprise wellsite to deliver gas to the Otway Gas Plant via the Enterprise pipeline (PL006998).

## Purpose of this notice

The Petroleum Act 1998 requires that, in the development of an Operation Plan for a specific petroleum activity, consultation is undertaken with relevant persons or organisations who may be affected by the activity or that have interests that may be affected by the activity in the Operation Plan. The outcomes of this consultation must be included in the Operation Plan before it can be approved and the activity can proceed.

Since early 2018, Beach has been involved in regular engagement with traditional owners, local communities, landholders, government organisations and interested stakeholder groups regarding the Enterprise Project.

The purpose of this Notice is to meet the specific requirements of the Petroleum Act 1998 and associated regulations for the Operations phase (to produce gas) of the Enterprise Project and provides a mechanism for 'relevant persons or organisations' to provide feedback on the proposed petroleum operation.

The operation of the pipeline and the Otway Gas Plant is not included in the scope of this notice. These activities have been addressed in separate approvals and associated consultation processes.

## What is an Operation Plan

An Operation Plan (Plan) is a document required under the Act that must be prepared by the holder of an authority (for example a petroleum exploration or production licence) in relation to a proposed 'petroleum operation' and submitted to Earth Resources Regulation within the Department of Energy, Environment and Climate Action (DEECA) for approval prior to the operation commencing.

A 'petroleum operation' is a specific activity relating to the exploration, development or production of oil or gas.

Beach's 'petroleum operations' in Victoria involve exploration and production of gas to produce natural gas (Heating/Cooking), Propane (BBQ) and Auto LPG (Transport) and condensate (diesel-like fuel). An Operation Plan identifies the risks that the operation may pose to the environment, to any

member of the public and to land or property in the vicinity of the operation.

It also identifies the risks to any petroleum, source of petroleum or reservoir in the vicinity of the operation. An Operation Plan outlines what the holder of the authority (Beach Energy) will do to eliminate or minimise those risks. It also specifies what the holder of the authority will do to rehabilitate land that will be affected by the operation and also sets out any other matters required by the regulations.

The Plan will outline what Beach will do to eliminate or minimise those risks and rehabilitate land that will be affected by the operation, along with any other matters required by Regulations.

## What does the operation of the wellsite involve?

The Enterprise wellsite will operate on a 24 hour a day / 7 day a week basis. The facility will be monitored and maintained from the Otway Gas Plant Central Control Room, located approximately 8km north-east. Routine fortnightly inspections of the wellsite will be undertaken during day light hours.

Wellsite operational activities that will be described in the Operations Plan include:

- General site surveillance & inspections to verify site equipment integrity, conduct maintenance and verify site security.
- Ongoing monitoring and maintenance of all wellsite facilities including:
  - general site surveillance and inspections.
  - regular weed and vegetation controls.
  - instrument calibration and testing.
  - valve and vessel inspection and functional testing.
- wellhead servicing and testing.
- pipeline maintenance and integrity management (in accordance with Pipeline Licence PL006998).
- Non-routine activities such as well maintenance if required during the operational life of the well by specialist crews.

The wellsite activities will generally only require access by light vehicles on a fortnightly basis. If non-routine activities are required, light trucks and semi-trailers may be necessary.

## When will the wellsite commence construction

Approved project activity at the wellsite commenced in early 2023 and the construction of the pipeline and associated facilities and wellsite amenities is currently underway. The balance of works to connect the well to the pipeline are expected to commence in mid-2023 and all wellsite works are expected to be completed by late 2023. This will be followed by commissioning works that involve the introduction of gas to the wellsite facilities and pipeline. The timing of these activities is dependent upon the manufacture and delivery of critical equipment and to the progress of all required outstanding approvals. The commencement of regular production operations will occur shortly after the completion of gas commissioning.

Key activities during commissioning and operations are:

- Installation of production valves and controls, including well plug retrieval
- Facilities commissioning and pressure testing
- Commencement of production
- Periodic campaign maintenance including well intervention as required

## Health, safety, and environmental considerations

### Safety and the environment

For Beach Energy, the safety of people and the local environment are the highest priorities. Beach operates within a highly regulated industry and has a proud track record of meeting stringent environmental and safety standards. We are committed to taking all reasonable steps to protect the health and safety of our employees, contractors, the community and stakeholders in all areas in which we operate. Beach Energy is proud to have achieved an outstanding record of eight years recordable injury free at the Otway Gas Plant in 2023. The standard of safety implemented by our workers reflects the absolute focus on effectively managing high risk activities.

The Health and Safety Policy and Environmental Policy is available at: [www.beachenergy.com.au](http://www.beachenergy.com.au) or by scanning the QR code.

### Emissions

As a natural gas explorer and producer across Australia and New Zealand, Beach is committed to sustainably delivering energy for communities. Beach recognises that climate change is one of the global challenges of this century and understand the role we must play in managing our carbon emissions.

Carbon emissions of natural gas are 50% to 70% lower than coal. As old coal fired power stations are removed from Australia's energy mix, electricity powered from natural gas ensures a stable energy supply as our economy transitions to renewable energies. AEMO's 2022 Integrated System Plan (ISP) forecasts more gas-fired power generation will be required in 2041-42 in all modelled scenarios. In the most ambitious "Step Change" scenario, a 90% reduction in carbon emissions from power generation is achieved by 2041-42 as a result of 33% more gas fired electricity generation, enabling generation from renewables to increase ninefold.

Beach is currently investigating using carbon capture and storage (CCS) technologies to reduce or even eliminate all Scope 1 and 2 emissions at the Otway Gas Plant.

Beach Energy has an aspiration to reach net zero emissions by 2050 and a target to reduce equity emissions intensity by 35% by 2030 from a 2018 base year.

Further information is provided in Beach's Sustainability Report at:

<https://www.beachenergy.com.au/sustainability-2/sustainability-reports/>

### First Nations

Beach Energy acknowledge the Eastern Maar Peoples and specifically the Kirrae Whurrungas the Traditional Owners of the land on which the wellsite is located. Beach Energy has engaged with Eastern Maar Aboriginal Corporation since the inception of the Enterprise Project as the registered Native Title claimants for the Project area and the Registered Aboriginal Party responsible for the management and protection of Aboriginal cultural heritage.

## Summary of Impacts and Risks

All Beach activities, including the Enterprise Project, are undertaken in accordance with the Beach Energy Operations Excellence Management System (OEMS).

The OEMS documents the Health, Safety and Environment (HSE) policy, HSE Standards, HSE Directives and the key HSE processes and requirements for all activities undertaken by Beach Energy. The Enterprise OEMS includes requirements for:

- employee and contractor inductions to ensure that all personnel are aware of the OEMS and Operations Plan requirements
- incident management and reporting requirements
- emergency response procedures to ensure that emergency management arrangements are in place in the unlikely event of an emergency
- development of specific plans and procedures (e.g. Waste Management Plan)
- personnel capability audits, ongoing training and competency compliance procedures
- audit and inspection schedule to assess that all measures are being implemented .

The Wellsite Production Operation Plan, which includes a Well Operations Management Plan (WOMP),

Environmental Management Plan (EMP) and a Rehabilitation Plan are being prepared specifically for the wellsite production operations and will require acceptance from the DEECA (Earth Resources Regulation) before the activity can commence.

In accordance with the requirements of the Petroleum Act, the Operations Plan will include an identification of the potential impacts and risk associated with the wellsite production operations to:

- the environment,
- any member of the public,
- land,
- property; and
- petroleum, source of petroleum or reservoir

The Operations Plan is also required to identify the management measures to be implemented to ensure that these risks and impacts are reduced so far as reasonably practicable. The potential impacts and risks and management measures for the Enterprise production operations are summarised in the table below.

Potential Risks or Impact	Description of Source of Risks or Impact	Beach Management Measures
<b>Environment</b>		
Disturbance to native flora and fauna	<ul style="list-style-type: none"> <li>Noise and vibration sources associated with the activity such as plant, equipment and vehicles</li> <li>Artificial lighting that may be required at night time or during emergency situations</li> </ul>	<ul style="list-style-type: none"> <li>Reducing speed limits for project vehicles to minimise noise and vibration impacts and reduce potential for vehicle fauna strikes</li> <li>Equipment designed to meet EPA Guidelines Noise from Industry in Regional Victoria (NIRV)</li> <li>Lighting for emergency use only. Ensure that in the unlikely event that night lighting is required that it is directed to avoid light spill</li> <li>Lighting remotely controlled from the OGP</li> <li>No vegetation clearance proposed for production operations</li> </ul>
Emissions	<ul style="list-style-type: none"> <li>Venting of gas associated with equipment maintenance processes</li> <li>Fugitive emissions from valves and flanges</li> <li>Exhaust emissions from temporary generators during campaign maintenance activities</li> </ul>	<ul style="list-style-type: none"> <li>Planned maintenance schedule ensuring all equipment is maintained and operating efficiently</li> <li>Regular leak detection and repair surveys</li> <li>Recording and reporting of fuel use</li> <li>Reporting GHG emissions as required by legislation</li> </ul>
Accidental release of materials and waste / Hydrocarbon and chemical spill	<ul style="list-style-type: none"> <li>Spills or leaks for fuels or chemicals due to inappropriate handling and storage</li> <li>Spread of wastes due to ineffective containment, transportation and disposal</li> <li>Spills or leaks for fuels or chemicals due to inappropriate handling and storage</li> </ul>	<ul style="list-style-type: none"> <li>Implementing appropriate storage of hazardous materials including bunding</li> <li>Stormwater Management Plan</li> <li>Waste Management procedures including designate waste storage areas, waste tracking and use of licensed waste contractors.</li> <li>Spill clean-up and incident reporting</li> <li>Regular site inspections</li> </ul>
Emergency event –equipment failure/rupture	<ul style="list-style-type: none"> <li>Uncontrolled release of gas</li> </ul>	<ul style="list-style-type: none"> <li>Equipment materials selection and design.</li> <li>Inspection and monitoring programs</li> <li>Maintenance and integrity management programs</li> <li>Emergency shutdown systems (locally and remotely operated)</li> <li>Backup power supply</li> <li>Emergency Response Plans and procedures</li> </ul>
Emergency event - Loss of well integrity / well blow out	<ul style="list-style-type: none"> <li>Uncontrolled release of gas due to emergency event during well intervention activities</li> </ul>	<ul style="list-style-type: none"> <li>Well design and construction including materials selection</li> <li>Integrity management plans</li> <li>Well control procedures and personnel training</li> <li>Well Operations Management Plan</li> <li>Emergency Response Plan and procedures</li> </ul>

Potential Risks or Impact	Description of Source of Risks or Impact	Beach Management Measures
Emergency event – fire (including bushfire)	<ul style="list-style-type: none"> <li>Bushfire threatening wellsite facilities</li> <li>Bushfire caused by activities at the wellsite</li> </ul>	<ul style="list-style-type: none"> <li>Emergency shutdown systems (remotely operated)</li> <li>CFA Permit for any hot work associated with maintenance</li> <li>Regular site vegetation maintenance</li> <li>Fire prevention measures including extinguishers</li> <li>Fire protection and controls measures</li> <li>Fire and gas detection</li> <li>Emergency Response Plan and procedures</li> </ul>
<b>Any member of the public</b>		
Disturbance to community - noise	<ul style="list-style-type: none"> <li>Noise generated by wellsite operations (choke valve).</li> <li>Presence of personnel vehicles on local roads during routine operations (fortnightly inspections).</li> </ul>	<ul style="list-style-type: none"> <li>Equipment designed to meet EPA Guidelines Noise from Industry in Regional Victoria (NIRV)</li> <li>Noise validation monitoring</li> <li>Undertaking campaign maintenance activities in daylight hours as much as possible</li> <li>Reducing speed limits for project vehicles to minimise dust generation</li> <li>Ongoing engagement with near neighbors and the community with respect to and campaign maintenance activities</li> </ul>
Disturbance to community - traffic	<ul style="list-style-type: none"> <li>Increased traffic related to wellsite campaign maintenance activities (infrequent)</li> <li>Generation of dust from traffic associated with wellsite operations (particularly campaign maintenance activities)</li> </ul>	<ul style="list-style-type: none"> <li>Development and implementation of activity specific Traffic Management Plans</li> <li>Avoidance of heavy vehicle movements during school bus times</li> <li>Roads and tracks within wellsite blue metal with concrete pads to support equipment</li> <li>Active dust suppression (e.g., water tankers) for wellsite maintenance and well intervention activities if required</li> </ul>
Disturbance to community - visual	<ul style="list-style-type: none"> <li>Presence of wellsite infrastructure</li> <li>Increased activity during campaign maintenance activities (infrequent)</li> </ul>	<ul style="list-style-type: none"> <li>Perimeter fence and roadside vegetation provides visual screening for public</li> <li>Engagement with affected landholders with respect to potential screening options</li> <li>Lighting for emergency use only. Ensure that in the unlikely event that night lighting is required that it is directed to avoid light spill</li> <li>Lighting remotely controlled from the OGP</li> </ul>
Disturbance cultural heritage	<ul style="list-style-type: none"> <li>No new disturbance associated with ongoing operations at the wellsite</li> </ul>	<ul style="list-style-type: none"> <li>Ongoing engagement with Eastern Maar Aboriginal Corporation with respect to any new disturbance</li> </ul>

## Land and property



Potential Risks or Impact	Description of Source of Risks or Impact	Beach Management Measures
Disturbance to Port Campbell National Park (PCNP)	<ul style="list-style-type: none"> <li>Noise generated by wellsite operations (choke valve)</li> <li>Noise generated by increased traffic during period maintenance campaigns</li> <li>Presence of additional vehicles during campaign activities impacting fauna</li> </ul>	<ul style="list-style-type: none"> <li>No works to be undertaken within the PCNP</li> <li>Traffic management plan for campaign activities to include avoidance of the use of the Great Ocean Road and speed restrictions for Sharps Road as appropriate</li> </ul>
Disturbance to land use operations	<ul style="list-style-type: none"> <li>Noise generated by wellsite operations</li> <li>Noise generated during periodic maintenance campaigns</li> <li>Increased traffic during periodic maintenance campaigns</li> <li>Weed introduction</li> </ul>	<ul style="list-style-type: none"> <li>Facilities design to meet EPA noise guidelines during operations</li> <li>Traffic management plans for campaign activities to include speed restrictions</li> <li>Weed control and chemical selection in accordance with landowner agreements</li> <li>All vehicles remain on designated routes and well lease area</li> <li>Vehicles and equipment assessed for risk of transporting weeds and pathogens and cleaned down and disinfected where appropriate in accordance with Weed management and Control procedures</li> <li>All records of vehicle inspections and cleaning kept for auditing</li> </ul>
Ineffective rehabilitation	<ul style="list-style-type: none"> <li>Failure to return land to previous use at the completion of production operations</li> </ul>	<ul style="list-style-type: none"> <li>Development of a Rehabilitation Plan</li> <li>Rehabilitation completed in accordance with landowner agreement and requirements and specialist agronomist advice</li> </ul>
<b>Petroleum, source of petroleum or reservoir</b>		
Loss of well integrity	<ul style="list-style-type: none"> <li>Contamination of aquifers</li> <li>Damage to the Enterprise reservoir</li> </ul>	<ul style="list-style-type: none"> <li>Well design to ensure isolation of aquifers</li> <li>Equipment materials selection and design</li> <li>Well Operations Management Plan including integrity management measures</li> </ul>

## Questions and answers

### How does Beach Energy protect the environment in which it operates?

At Beach, our purpose is to sustainably deliver energy for communities, meaning we operate while maintaining the highest health, safety, and environmental standards. The Enterprise wellsite will be operated in accordance with detailed environmental management plans that are submitted for regulatory approval prior to works commencing.

These plans identify potential environmental risks and outline appropriate management measures to reduce and minimise impacts as much as reasonably possible.

Our goal is to operate in a safe, compliant and reliable manner and build enduring relationships and trust with local communities, partners, suppliers and governments.

### How will Beach consider the local tourism industry?

Beach have long been working alongside the Port Campbell and Great Ocean Road community, and respects tourism and other local industries within the area. The relatively small footprint of the local gas industry has successfully coexisted with tourism and agriculture in and around the Shipwreck Coast region for over 20 years. Beach will continue to work together with local agencies to ensure major works happen in off-peak times where possible and consider the movement of local and tourist traffic in traffic management plans.

### Will there be local job opportunities?

Beach Energy currently employs staff from southwest Victoria, including Port Campbell and Timboon. Due to the specialist nature of the site, and the technical equipment required for operation, some employees will be sourced from providers outside the local community. However, Beach is committed to supporting the community in which we work, and the project will use local suppliers for catering, accommodation camp supplies, local accommodation for specialist contractors visiting the site, consumables, and waste management and cleaning services. Beach

will always look to employ locals and encourage anyone who may be interested in applying, to visit our website.

### How does Beach and its projects contribute to the local community and local economy?

Beach understands the impact our work can have in the local community. We seek to partner with local organisations where possible, and do so through our community investment program. We understand the importance of building strong foundations when it comes to health, education, and social involvement, and are consistently seeking feedback, and applications, to further our contribution to the local community. Recently, Beach has supported:

- Port Campbell Surf Life Saving Club: nipper and leadership programs to reinforce surf awareness and vital lifesaving skills
- Port Campbell Progress Association: new generator for use in emergency situations to provide power in a place of last resort
- Timboon P12 School: replacement of the prep-grade 3 playground.
- Timboon Recreation Reserve: upgrade of changerooms to meet current standards and provide facilities for women.

### What will I see during wellsite construction and operation?

Beach has worked with local landholders to ensure our wellsite cannot be seen by major roads, or key tourist vantage points in the area. Visual amenity studies have been undertaken, and there will be no significant visual impacts to the immediate area.

### How will Beach manage impacts to traffic in the area?

During construction, Beach and its sub-contractors will use approved routes, avoiding major highways that see large amounts of tourist traffic. Local landholders and councils assisted in development of these routes and are aware of their impact.

During operations, the wellsite will be unmanned, with light vehicles used for fortnightly inspections and maintenance activities as required.



Periodic maintenance activities may involve short periods of higher traffic and larger vehicles for equipment delivery. Near neighbours will be engaged prior to this activity and where appropriate, traffic management plans will be implemented.

### How will these activities impact me?

Beach has consulted with near neighbours of the wellsite location, and the associated pipeline, to outline expectation of noise associated with construction and operations.

Planned maintenance activities may generate additional noise but these will be short term. Near neighbours will be engaged prior to any planned activities that may create additional noise.

### Will further wells be drilled from the wellsite?

To access nearby offshore gas reservoirs, further wells may be drilled in the future from the Enterprise wellsite to connect to the same pipeline. Any additional drilling activity will be subject to additional regulatory approvals prior to commencement and this will involve community consultation. Once all drilling has been completed and, all gas from the reservoirs has been exhausted, the wells will be decommissioned. Beach will then work with local contractors (where possible) to ensure the rehabilitation of site to pre-construction standards.

## Keeping in touch

Beach Energy regularly meets face to face with landholders, nearby neighbours and representatives of the Eastern Maar Peoples, to explain the project and work with them to identify the best way to manage any impacts. We also consult directly with regulators, relevant government departments and agencies, and local government. For our local communities, we consult with community representatives, provide briefings at community group meetings, run community drop-in information sessions, email and post out information. All questions, feedback or concerns are considered and responded to. Beach seeks to consult with all relevant persons or organisations whose activities or interests may be

affected by the activity carried out under the Operation Plan, and to assess management and mitigation measures to reduce impacts to as low as reasonably practicable. Before, during and after key project phases, we provide updates, including advanced notice of heavy vehicle movements. Beach Energy will continue to engage with local landowners, community members, regulators and local government and are committed to keeping stakeholders informed of project activities and answering your questions

## More information

Submissions concerning this Notice can be made in writing to Beach Energy by 31 March 2023.

Submissions will be reviewed and considered from the date of receipt and where appropriate will be addressed in the Production Operation Plan prior to submission for assessment and approval by DEECA.

Please address your submission to:

By mail:  
Beach Energy  
Enterprise Wellsite Construction Operation Plan  
Submission 80 Flinders Street, ADELAIDE, SA 5000

By email: [community@beachenergy.com.au](mailto:community@beachenergy.com.au)  
(Subject: Enterprise Production Operation Plan Submission).

## We welcome your questions and feedback

P: 1800 959 562

E: [community@beachenergy.com.au](mailto:community@beachenergy.com.au)

[beachenergy.com.au](http://beachenergy.com.au)

