

9TH DECEMBER 2021

Otway Basin Update



Compliance statements

Disclaimer

This report contains forward-looking statements, including statements of current intention, opinion and predictions regarding the Company's present and future operations, possible future events and future financial prospects. While these statements reflect expectations at the date of this report, they are, by their nature, not certain and are susceptible to change. Beach makes no representation, assurance or guarantee as to the accuracy or likelihood of fulfilling of such forward looking statements (whether expressed or implied), and except as required by applicable law or the ASX Listing Rules, disclaims any obligation or undertaking to publicly update such forward-looking statements.

Underlying EBITDAX (earnings before interest, tax, depreciation, amortisation, evaluation, exploration expenses and impairment adjustments), Underlying EBITDA (earnings before interest, tax, depreciation, amortisation, evaluation and impairment adjustments), underlying EBIT (earnings before interest, tax, and impairment adjustments) and underlying profit are non-IFRS financial information provided to assist readers to better understand the financial performance of the underlying operating business. They have not been subject to audit or review by Beach's external auditors. The information has been extracted from the audited financial statements.

All references to dollars, cents or \$ in this presentation are to Australian currency, unless otherwise stated. References to "Beach" may be references to Beach Energy Limited or its applicable subsidiaries.

References to planned activities in FY22 and beyond FY22 may be subject to finalisation of work programs, government approvals, joint venture approvals and board approvals.

Due to rounding, figures and ratios may not reconcile to totals throughout the presentation.

Assumptions

FY22 guidance is uncertain and subject to change. FY22 guidance has been estimated on the basis of the following assumptions: 1. various other economic and corporate assumptions; 2. assumptions regarding drilling results; and 3. expected future development, appraisal and exploration projects being delivered in accordance with their current expected project schedules.

The production and capital expenditure forecasts beyond FY22 within this presentation are not guidance and is subject to change. Outlook has been estimated on the basis of the following economic assumptions: 1. Brent oil price of US\$65.00 per barrel, US\$67.50 per barrel and US\$67.00 per barrel in FY22 – 24 respectively, 2. AUD/USD exchange rate of 0.80 in FY22 and 0.75 from FY23, 3. various other economic assumptions and corporate assumptions, 4. assumptions regarding drilling results, and 5. expected future development, appraisal and exploration projects being delivered in accordance with their current expected project schedules.

These future development, appraisal and exploration projects are subject to approvals such as government approvals, joint venture approvals and Board approvals. Beach expresses no view as to whether all required approvals will be obtained in accordance with current project schedules.

Reserves disclosure

Beach prepares its reserves and resources estimates in accordance with the 2018 update to the Petroleum Resources Management System sponsored by the Society of Petroleum Engineers, World Petroleum Council, American Association of Petroleum Geologists and Society of Petroleum Evaluation Engineers (SPE-PRMS).

The reserves and resources estimates in this report are based on, and fairly represent, information and supporting documentation prepared by, or under the supervision of, qualified petroleum reserves and resources evaluators: Ian Cockerill (GM Exploration & Subsurface), Jason Storey (GM Exploration & Subsurface), Scott Delaney (Manager Exploration & Subsurface) and Mark Sales (Manager Exploration & Subsurface). All QPRRE are employees of Beach and are members of SPE. The reserves and resources information in this presentation has been issued with the prior written consent of the respective QPRRE as to the form and context in which it appears.

The reserves and resources in this presentation have been estimated at 30 June 2021 using a combination of probabilistic and deterministic methods. Each category is aggregated by arithmetic summation. Note that the aggregated 1P category may be a very conservative estimate due to the portfolio effects of arithmetic summation.

Reserves are stated net of fuel, flare and vent at reference points defined by the custody transfer point of each product. Waitsia reserves include 3.4 MMboe of fuel used for LNG processing through the NWS facilities in Karratha between the second half of 2023 and the end of 2028. Conversion factors used to evaluate oil equivalent quantities are sales gas and ethane: 171,940 boe per PJ, LPG: 8,458 boe per tonne, condensate: 0.935 boe per bbl and oil: 1 boe per bbl.

An independent audit of Beach's reserves at 30 June 2021 was conducted by RISC Advisory Pty Ltd (RISC). In RISC's opinion the YEJ21 reserves estimates are reasonable and have been prepared in accordance with the definitions and guidelines contained within the SPE-PRMS and generally accepted petroleum engineering and evaluation principles. The audit encompassed 52% of 2P reserves and included 69% of developed reserves and 38% of undeveloped reserves. Contingent resources have not been audited.

Key Takeaways



- 1. Safety is always our number 1 priority and we have had an exceptional track record in the SA Otway**
- 2. Beach's development program has delivered new gas into the regional community in an accelerated timeframe**
 - a. State and Federal Government support critical to accelerated gas program
 - b. Initial development was based on limited data, to develop the next phase of opportunities the Joint Venture is investing in new 3D seismic data
- 3. Sustained community presence and transparent engagement has delivered broad support for our activities in the region**

Health, safety and environmental performance

Strong safety performance continuing following record year

HSE Performance – Company wide



Safety

- 4 million+ hours without a Lost Time Injury
- Hand Safety Campaign developed to address concerning increase in hand injuries

Environment

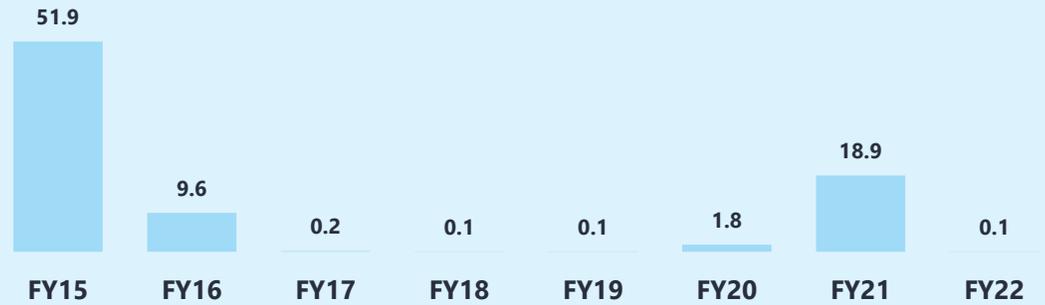
- Positive start to the year. Trending below target

Process safety

- Overall trends reflect robust process safety performance
- No Tier 1 or Tier 2 process safety incidents

Environmental performance

Crude/hydrocarbon spill volume (kl)



SA Otway Basin HSE Performance – FY22 TYTD

Recordable Injuries	0
TRIFR	0.0
Hydrocarbon Spill	0
Process Safety Tier 1 & 2	0
Incidents	0
Life Saving Rule Breaches	0

Timeline recap

Been a busy last few years ... not possible without Government support



\$6 million grant for Katnook redevelopment from the Commonwealth Government's Gas Acceleration Program.

\$6 million PACE grant supporting the Haselgrove-3 discovery.



Penola Office

A prominent presence in the local community



Community Engagement

Committed to being an Active Member of the Community

McCorquindale Park

Penola's main sporting complex now features a new nature playground. Supported by Beach, the playground is an exciting addition to the town as a space for children to explore and connect with the environment.



Country Fire Service - Penola and Wattle Range Brigades

New rescue dummies and communication devices will support the important work of CFS groups in the South East. Purchased with a grant from Beach, the equipment will provide ongoing training opportunities and boost emergency response efforts.

- **Over 220 engagements** with regional stakeholders recorded in the past 18 months.
- Beach maintains regional office in main street Penola. Utilised regularly by several community groups for monthly meetings and events.
- Community investment spend focused on community-led projects in the areas of Education, the Environment, Health, Safety & Wellbeing.

Dombey Seismic Survey Planning

18 months of engagement leading into Survey.

Open discussions focused on:

- recognition of past impacts from seismic operations
- transparency around potential impacts of this survey including risk mitigation strategies employed by Beach
- importance of biosecurity
- Beach approach to a low-impact, low-footprint survey

Over 50 meetings held in-person and online with landholders with positive feedback overall 94% agreed to allow Beach access to land.

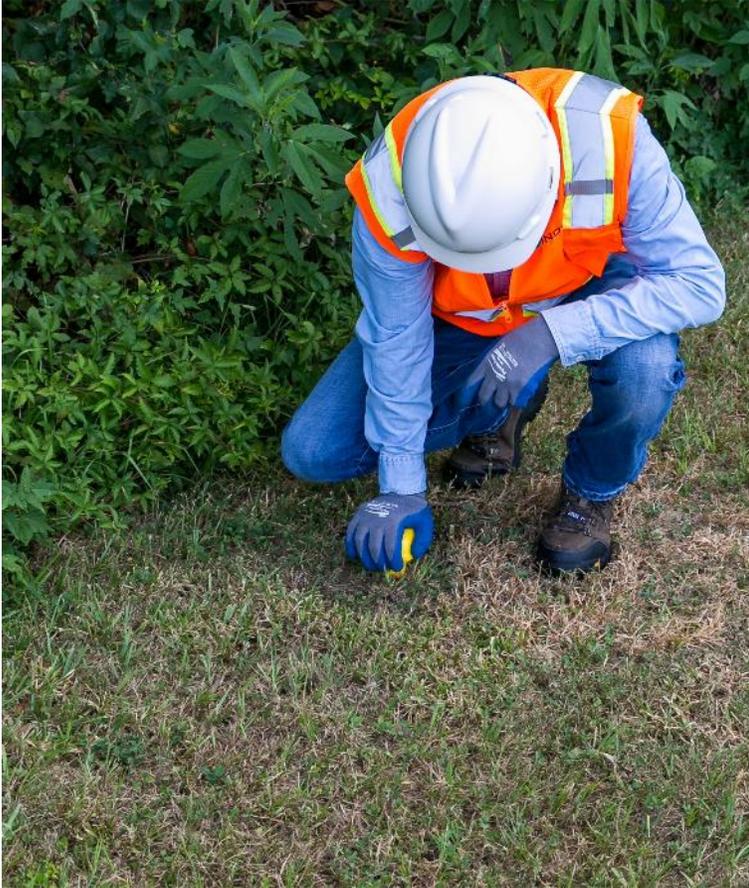
Extensive Engagement

- ✓ **January 2020**
 - Prepare draft EIR and SEO
- ✓ **March 2020**
 - Commence stakeholder consultation
- ✓ **August 2020**
 - Publish draft EIR and SEO online for stakeholder and public feedback
 - Extend feedback period to 8 weeks in response to COVID-19
- ✓ **December 2020**
 - Respond to stakeholder and public feedback
 - Amend EIR and SEO documents
- ✓ **January 2021**
 - Submit EIR and SEO for Government Assessment
- ✓ **May 2021**
 - Approval of EIR and SEO by South Australian Department for Energy & Mining
- ★ **December 2021**
 - Commence scouting of survey area
- ★ **February 2022**
 - Finish on-ground survey activities

Dombey Seismic Survey Design

Commencing this month

Minimum Impact



Dombey seismic survey is planned to take ~2 months

The seismic activities have been extensively planned to minimise impact via:

- Utilising the existing roads and tracks for the source lines
- Hand carrying the receivers into position
- Survey will avoid property infrastructure, centre-pivots, areas of environmental significance.

Step change in planning with triple-density receivers (17,500 live nodes; total 68,750 receiver points) is a step change in data quality

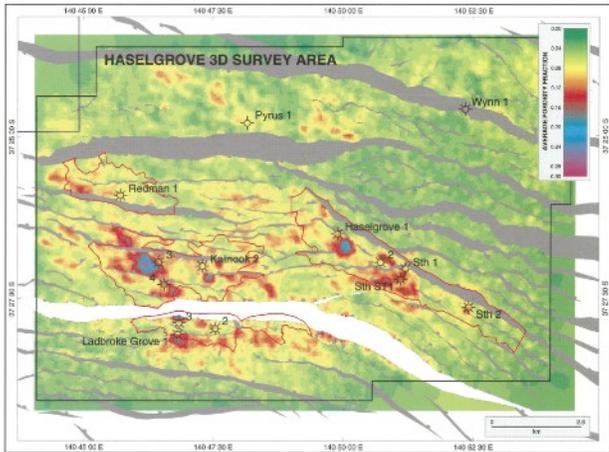
Different Design



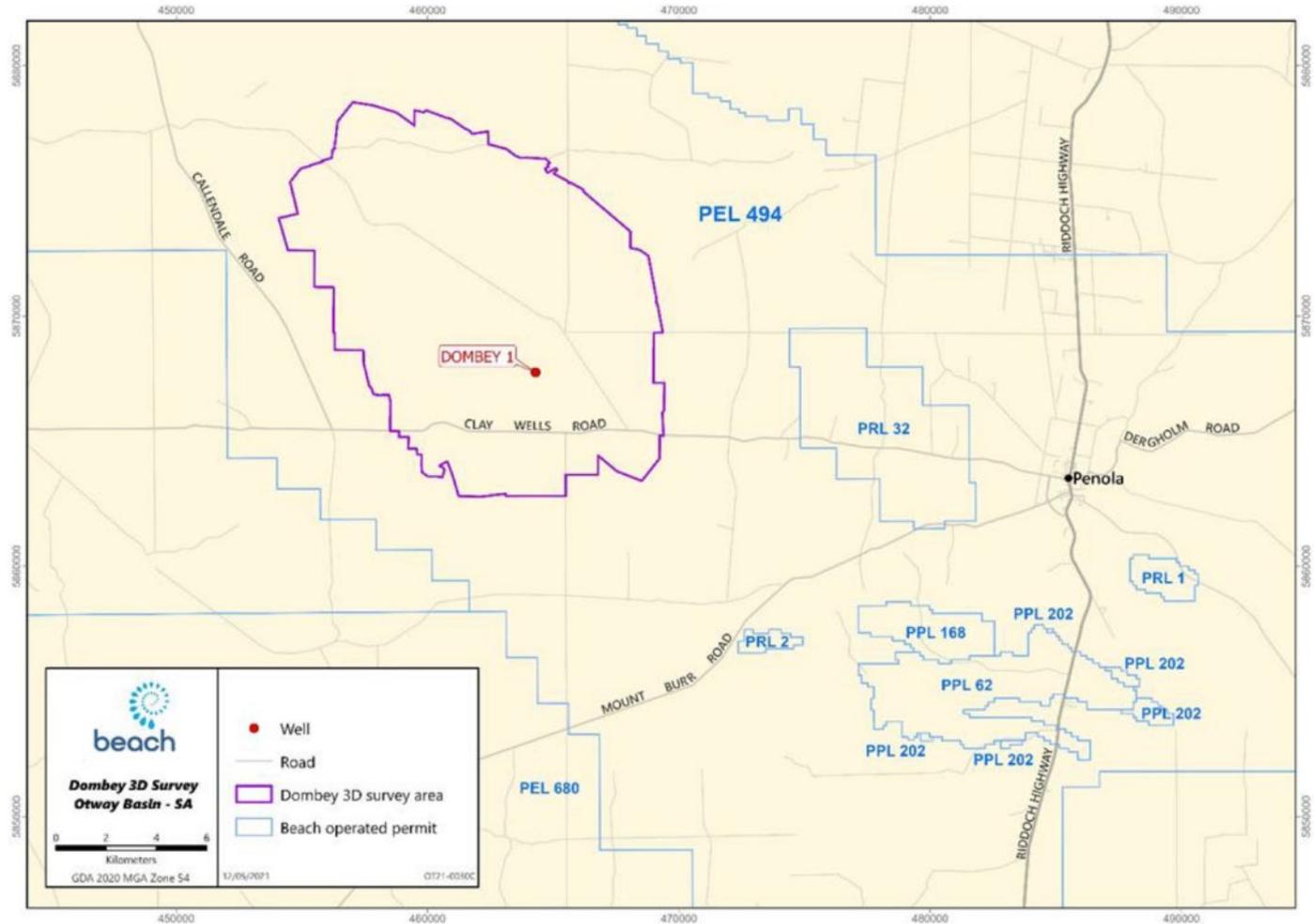
Next steps ...

High grading of adjacent opportunities

- Initially flagged in this same forum in November 2018
- Seismic program covers more area than just the Dombey discovery
- Designed to allow the optimisation of the development of the Dombey field as well as the high grading of adjacent opportunities
- This is possible because the Pretty Hill is readily characterised on even older seismic data*:



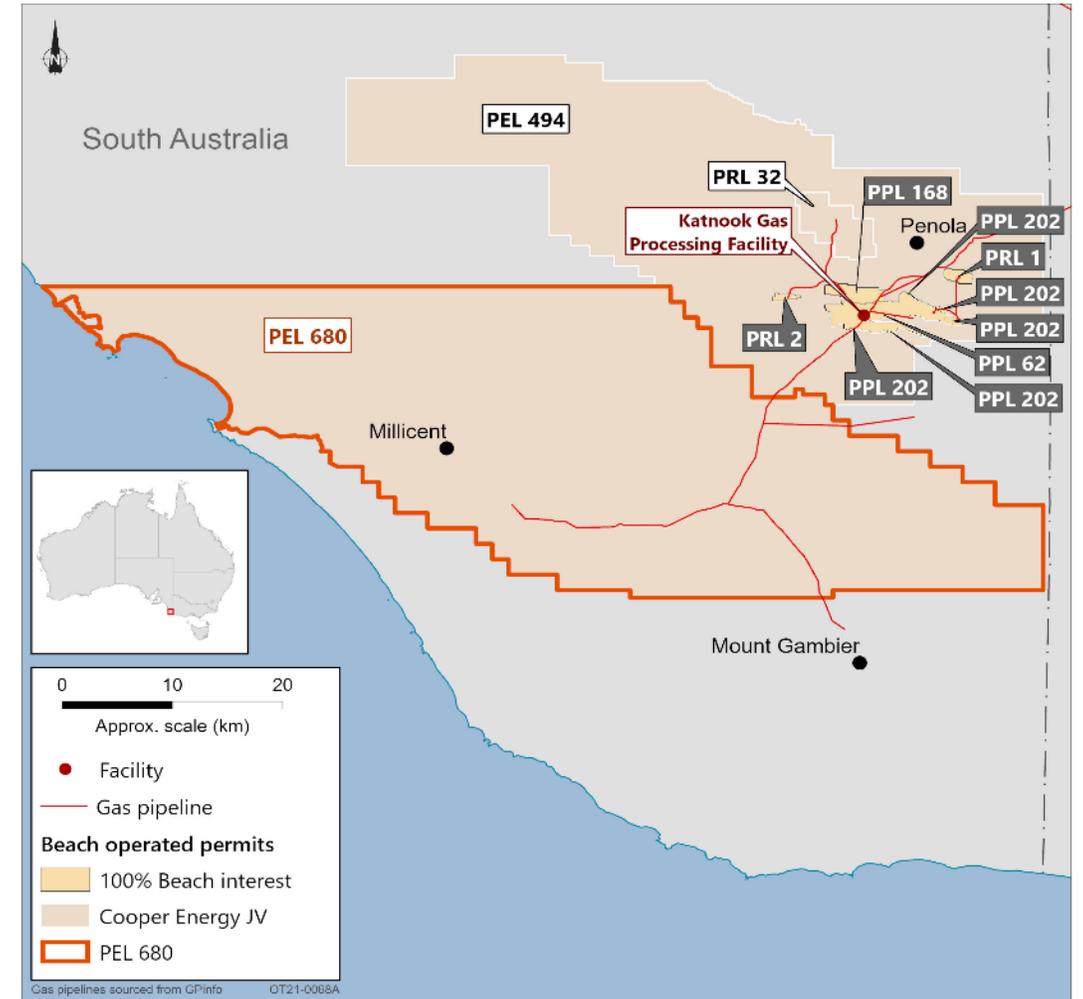
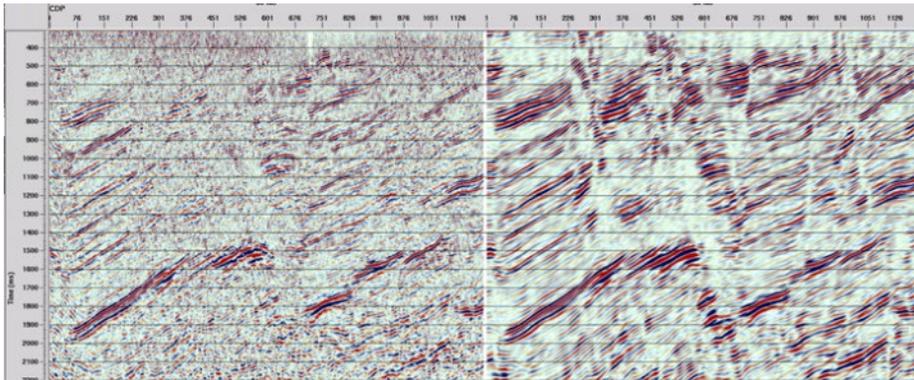
*Boult and Donley, 2001



New opportunities

Tantanoola Trough opportunity

- Adjacent acreage to the producing areas is the recently awarded PEL680
- JV seeking to open a new producing fairway to west of the Penola Trough in the Tantanoola Trough
- OT2019-B gazetted in May 2019
- PEL680 awarded in February 2021 to Beach Energy 70% and Cooper Energy 30%
- Integrating and updating the existing data is primary focus
- Leveraging new technology to reprocess the legacy data will be focus of new work



Wrap-up

- ✓ Delivering the Dombey 3D seismic program has the potential to unlock a longer term sustainable future for the Katnook Gas Plant
- ✓ Beach is very well positioned from a community acceptance and technical capability to deliver best practice in the SA Otway Basin
- ✓ Beach is committed to co-existence in the local community



Our Purpose

“Sustainably deliver energy for communities”

This means we always strive to:

- ✓ Make safety our number one priority
- ✓ Care for the environment – preventing harm and reducing emissions from our operations
- ✓ Contribute positively to the communities in which we operate

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