



ASX ANNOUNCEMENT

5 July 2021

**INVESTEE ADVENT ENERGY LTD – COMPANY PRESENTATION
COMPLETED BY BPH ENERGY LTD**

On Friday 2 July 2021 BPH Energy Ltd (ASX:BPH) BPH Managing Director, David Breeze gave a virtual presentation at The Capital Network's MarketLit Conference, Australia's first financial influencer, Millennial and Generation Z investment conference.

The presentation discussed MEC Resources Ltd investee Advent Energy Ltd and specifically the PEP 11 permit.

A copy of the investor presentation is attached.

Managing Director of MEC (David Breeze) authorised the release of this announcement to the market.

David Breeze
Managing Director
MEC Resources Ltd



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BPH Energy Ltd -Company Presentation on Advent PEP11 – Offshore Sydney Basin

June 2021



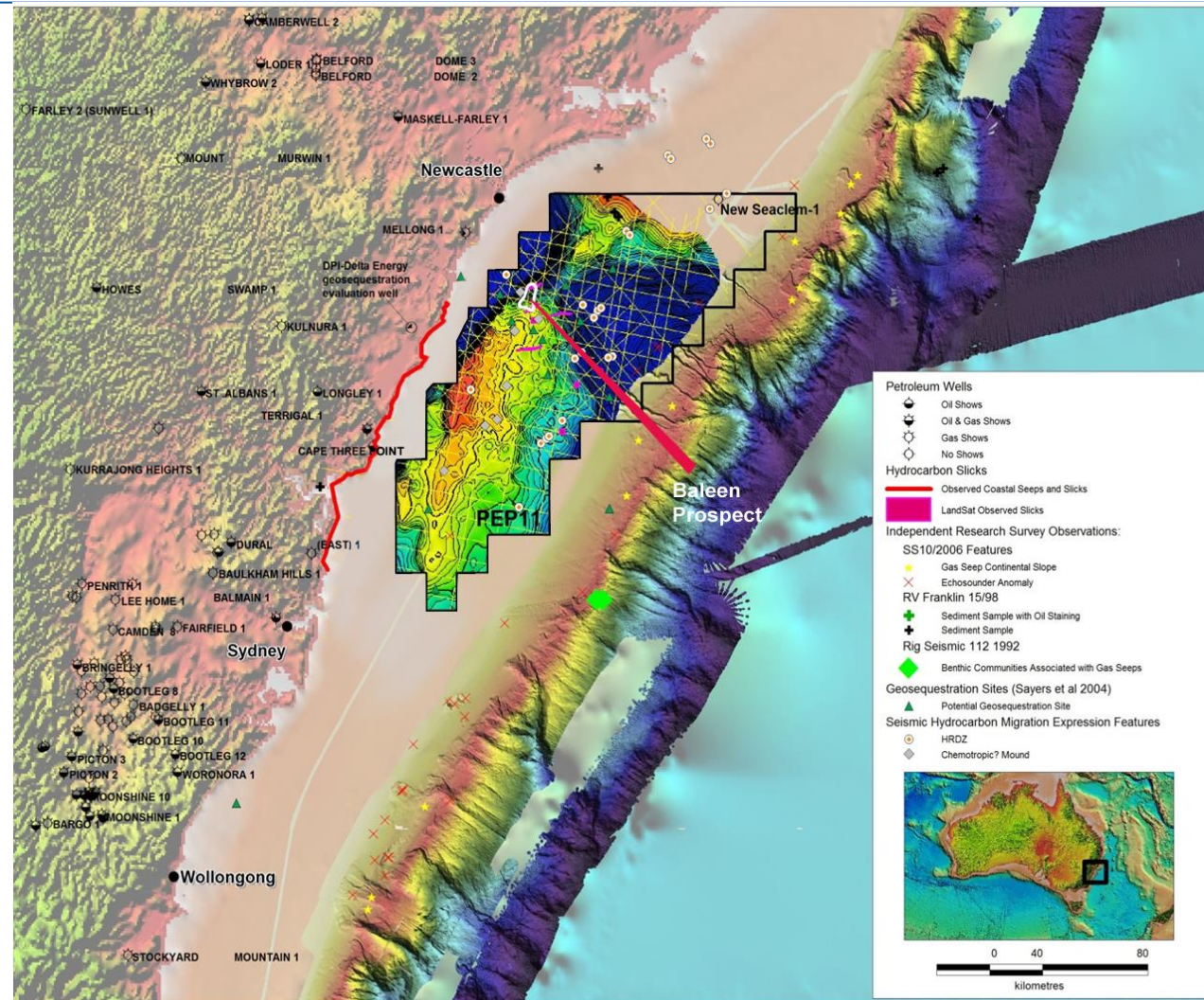


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PEP11– Offshore Sydney Basin:

- The Sydney Basin is a proven hydrocarbon basin with excellent potential for further discovery of natural gas / significant multi-Tcf natural gas project
- PEP11 covers 4,649 km² on the doorstep of Sydney-Newcastle & extensive gas infrastructure (<50km).
- Analogues to major discoveries -the offshore Sydney Basin contains all the elements seen in other producing world class petroleum basins, including Prospective Resources of 5.7 Tcf (P50) in structural targets.
- Current application to NOPTA to enable drilling as next step
- Significant interest in the project is driven by the gas market dynamics Shortfall forecast in gas supply east coast
- Two new gas fired power stations for NSW firming generation
- CCS potential
- Key attributes for Hydrogen role
- Significant potential employment driver

PEP11-85% Interest





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Advent ESG Focus –NET ZERO by 2050 and CCS

- ▶ Advent supports Net Zero by 2050 with the company playing a direct role in achieving that target,
- ▶ The Offshore Sydney Basin offers the potential opportunity for NSW to make deep cuts in its CO₂ emissions through CCS -Carbon Capture and Storage.
- ▶ CCS -a key clean energy technology, is part of a suit of solutions with the potential to mitigate greenhouse gas emissions and help address climate change
- ▶ The International Energy Agency and the Intergovernmental Panel on Climate Change believe that CCS will play an essential role in helping to meet global emission reduction targets
- ▶ The Sydney Basin is a major contributor to Australia's greenhouse gas emissions and contains the largest number of stationary CO₂ emission sources in Australia
- ▶ To date a suitable site has not been identified in the State for large scale geological storage of CO₂
- ▶ Independent published research suggests large scale CO₂ storage may be feasible in parts of the offshore Sydney Basin
- ▶ The offshore Sydney Basin Baleen drill test will investigate the potential future storage capacity for CO₂ emissions concurrently with gas drill program , subject to approvals and funding
- ▶ Finding gas closest to Australia's biggest domestic energy market can be used to provide reliable back-up for increased uptake of renewable energy in NSW.
- ▶ Advent has appointed Professor Peter Cook as its Adviser on CCS. Professor Cook is one of the world's leading experts on CCS, with an extensive record of research and publication on the topic

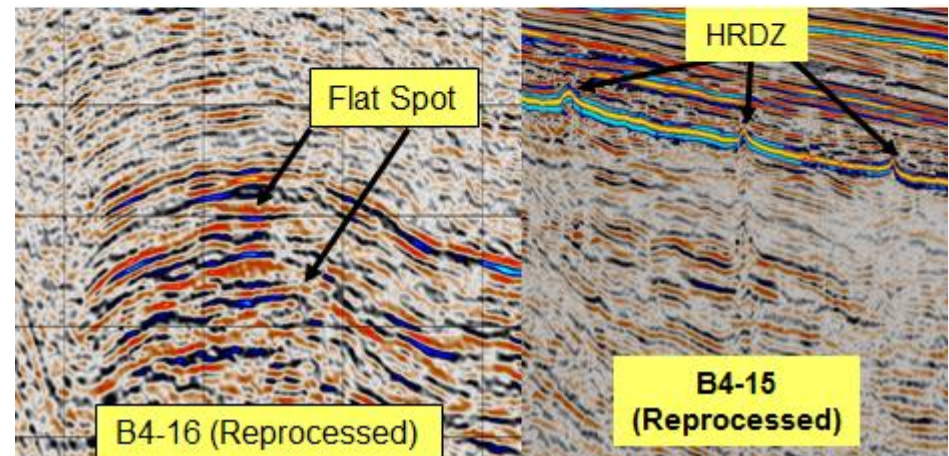
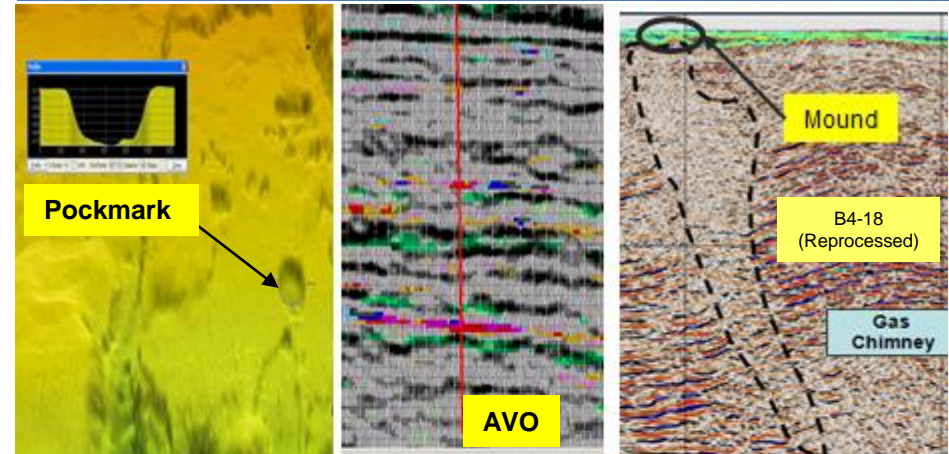


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Significant Hydrocarbon Potential proven by Industry Standards

- ▶ The permit's potential is evident in the significant and complimentary hydrocarbon & migration features observed
- ▶ Direct hydrocarbon indicators identified in seismic data
- ▶ Gas chimneys, HRDZs, anomalous AVO, reverse polarity events, flat spots are also present
- ▶ Hydrocarbon seepage has been observed and recorded via Landsat across areas of the permit
- ▶ Echosounder seeps and sizeable pockmarks are observed within the permit area and covering the offshore continental slope
- ▶ Repeated Hydrocarbon seep samples show a thermogenic source with liquid components indicated
- ▶ Independent inshore Hydrocarbon Seep Gas analysis shows high gas content
- ▶ Active seeps and migrated hydrocarbons are a key indicator of ongoing hydrocarbon generation (Abrams M Hydrocarbon migration and its near surface expression: AAPG Memoir 66)
- ▶ Schumacher D "A recent review of more than 850 wildcat wells –all drilled after geochemical surveys finds that 79% of wells drilled in positive anomalies resulted in commercial oil and gas discoveries "(Surface geochemical exploration, D. Schumacher, 2000,)

Features Observed Across Permit





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