

Lakes Oil N.L.

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Lakes Oil NL Annual General Meeting 2013 Chairman's Address to Shareholders

Chairman's Address to Shareholders

Please find attached the Chairman's address to Shareholders to be presented at today's Annual General Meeting.

Lakes Oil N.L.

ROBERT J. ANNELLS

Chairman

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Lakes Oil N.L. 'an unconventional oil & gas company'

www.lakesoil.com.au



Lakes Oil N.L. Annual General Meeting 25 November 2013





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The forward looking statements included in this presentation involve subjective judgement and analysis and are subject to significant uncertainties, risks and contingencies, many of which are outside the control of, or are unknown to, the Company, including to significant regulatory, business, competitive and economic uncertainties and risks. Actual future events may vary materially from the forward looking statements and the assumption on which those statements are based.

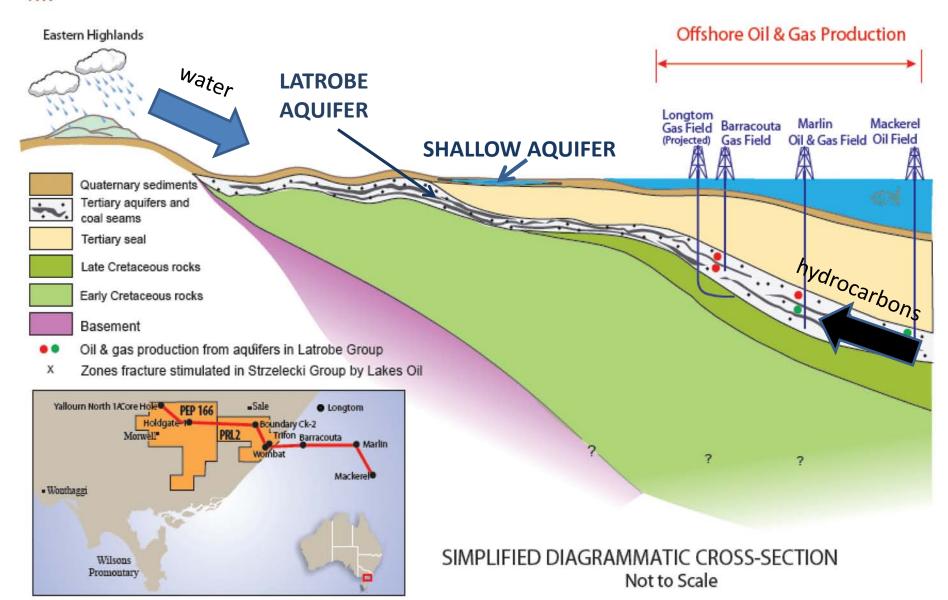


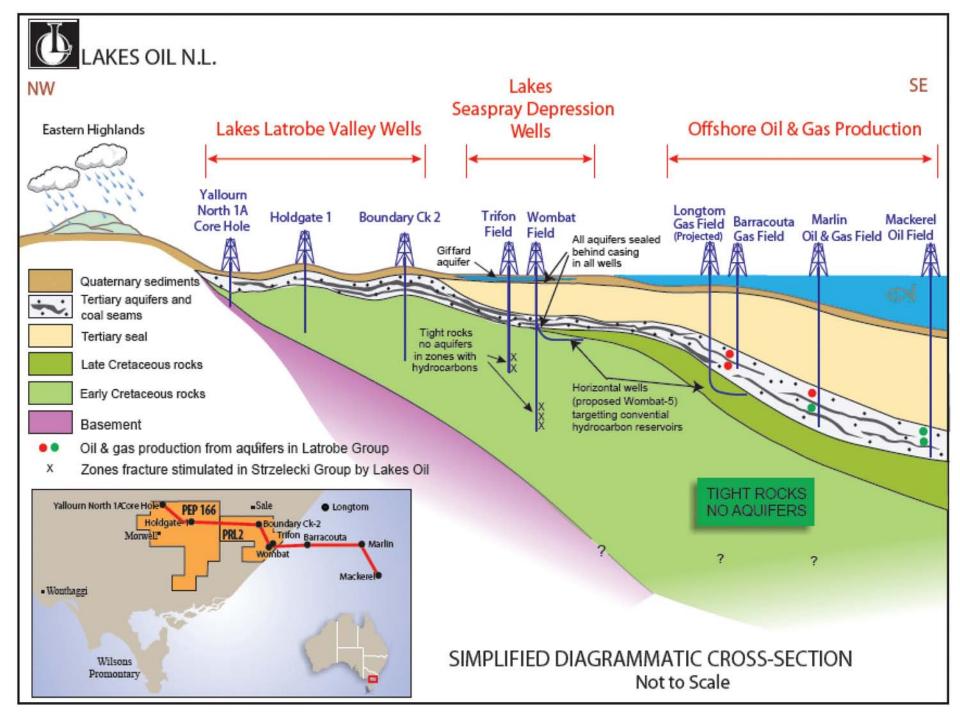
The Environment





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Natural Gas Occurrence Mud Island in Gippsland Lakes

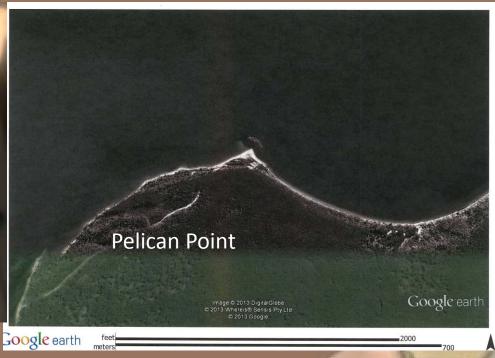




Natural Mud Island in Lake Victoria



2 September 2013
Aerial photo taken from light aircraft showing new mud island development

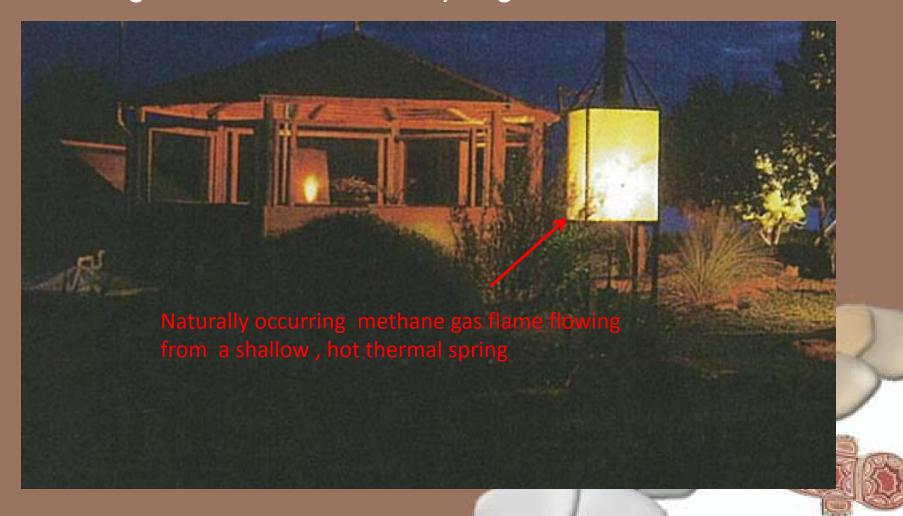


2009 Satellite image; no mud island offshore



Natural Gas and Water Occurring Together Jones Bay, south of Bairnsdale

42 degrees C hot thermal springs with natural methane





Key concerns

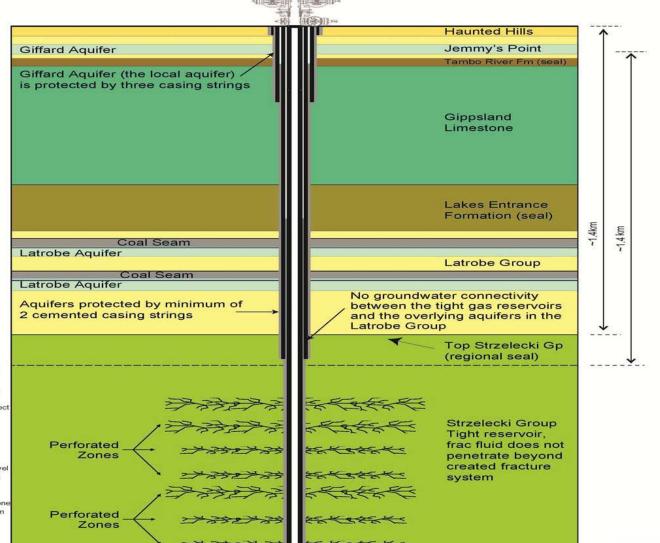
- Protection of freshwater aquifers
- That induced fractures could extend into aquifer zone







Well Head (3 safety valves)



Notes: The well is cased to total depth with 2 production strings across the top of the Strzelecki Group and Latrobe Group Aquifers. Three casing strings protect the Giffard Aquifer

Legend

Haunted Hills Gravel Jemmy's Point Fm Aquifer Tambo River Fm Gippsland Limestone Lakes Entrance Fm Coal Seam Latrobe Group Strzelecki Group



Benefits to Landowners

- Extensive research in USA and Queensland has shown that a vast majority of landowners welcome explorers onto their properties (see Peter Reith's Gas Market Task Force Report, 2013)
- It has been proven in the USA and Queensland that what is good for the explorers is good for the landowners (see Peter Reith's Gas Market Task Force Report, 2013)

 FACT: there have been no detrimental effects to the environment from Lakes Oil's past activities in Gippsland



Water Usage & Aquifer Protection In relation to Hydraulic Fracturing

- Water to be used will be sourced from neighbouring bores or trucked in
- Approximately less than 0.5 megalitres used per stimulation
- 99% of fluid pumped is water with the remaining 1% being proppant and benign chemicals used in everyday products
- All water produced to lined pits or tanks
- Water either purified, re-used, evaporated or disposed of at Dutson Downs facility
- Water injected does not come into contact with local aquifers
- Giffard Aquifer is protected by 3 strings of casing and cement



Water Usage & Aquifer Protection In relation to Hydraulic Fracturing

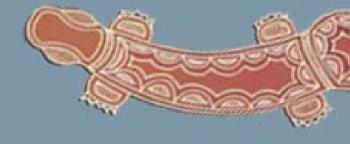
- Zones to be stimulated are some 1000m below aquifers
- Vertical induced fracture height growth generally less than 30m
- 11 stimulation treatments already performed by Lakes across the Wombat and Trifon Fields with no effect on aquifers.
- Monitoring of water quality prior to and after stimulation treatments
- All fluids pumped approved by EPA prior to use





Exploration

Where to now for Lakes Oil?





The State Government announced on 21 November 2013 that the ban on hydraulic fracturing will be extended until July 2015

- The proposed 2014 programs by Lakes Oil will not involve hydraulic fracturing
- Lakes Oil's activities are subject to the Petroleum Act not the Minerals Act which covers CSG
- Lakes Oil is not involved in CSG exploration



Exploration

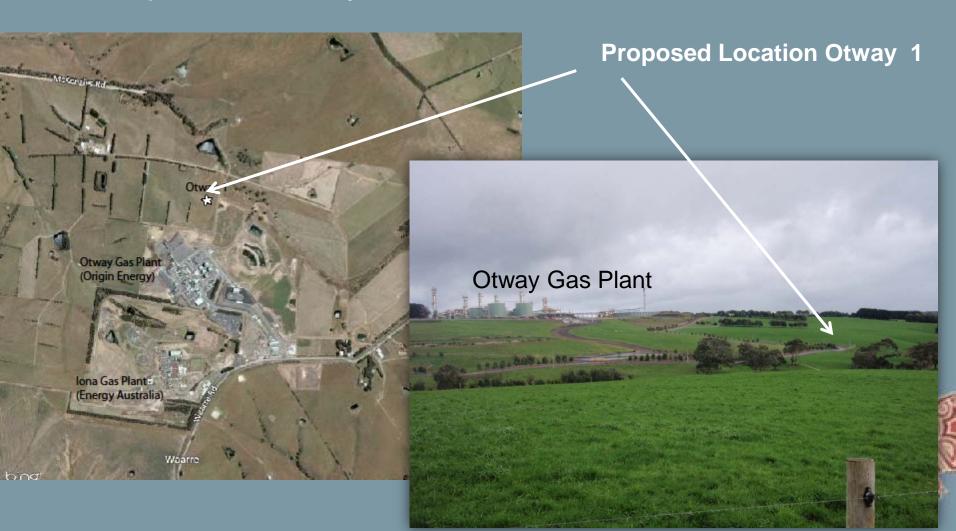
PEP 169 Otway Basin





PEP 169 OTWAY BASIN

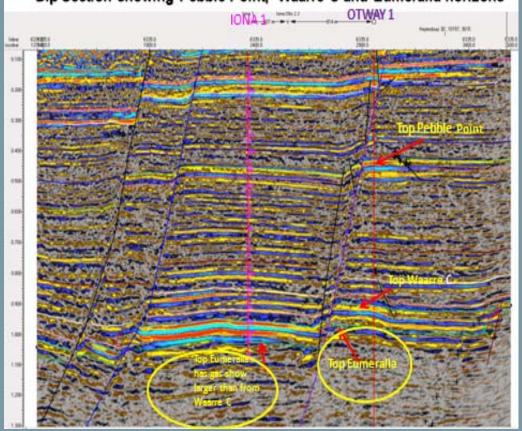
Proposed Otway 1 conventional well

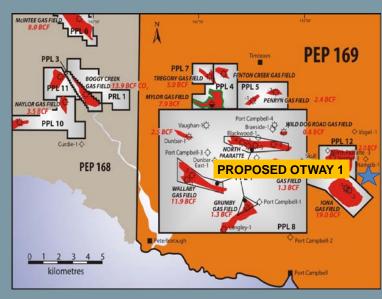




PEP 169 Otway Basin

Otway 1 Dip Section showing Pebble Point, Waarre C and Eumeralia horizons



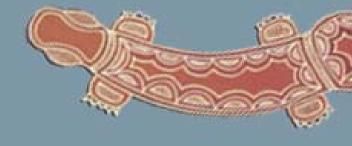


- Proposed Otway 1 will be located adjacent to and up-dip from the lona Gas Field.
- Three objectives in a tilted fault block with closures at three potential levels.
- The targets are: Pebble Point Formation, Waarre 'C' Formation and Eumeralla Formation.



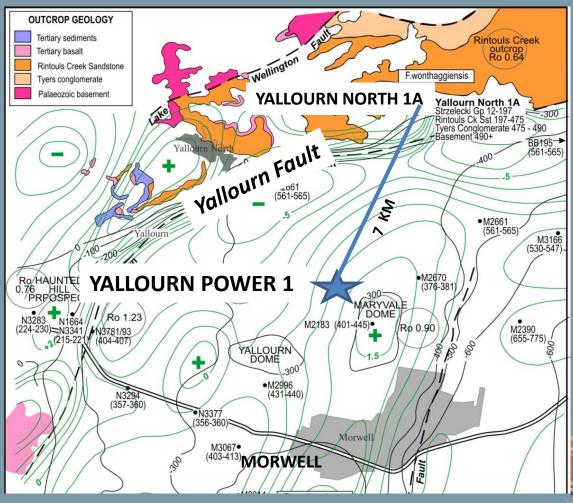
Exploration

PEP 166 Gippsland Basin





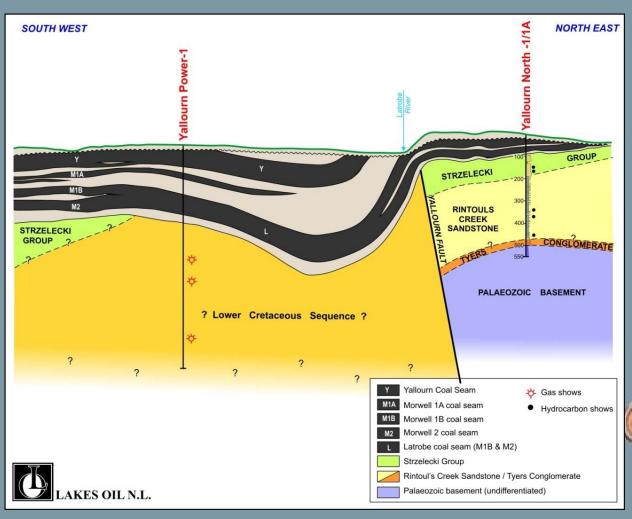
PEP 166 Yallourn Power 1 corehole

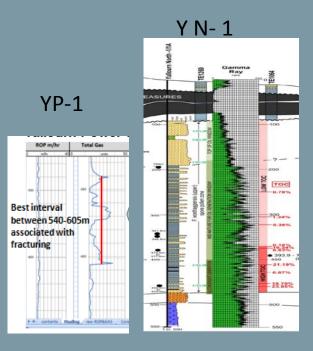


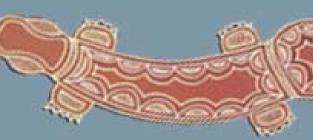
Yallourn Power 1 location on outcrop geology and gravity contour map



PEP 166 Schematic Cross Section



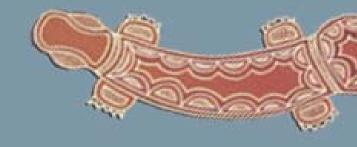






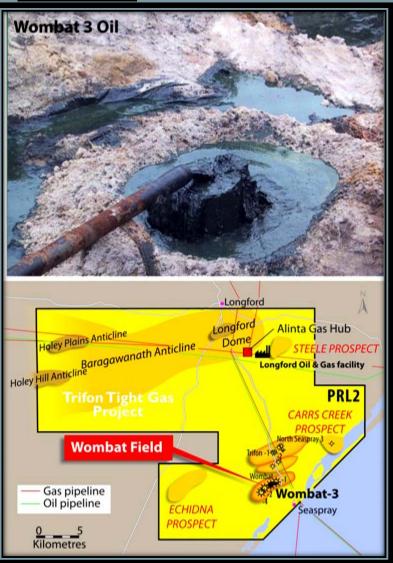
Exploration

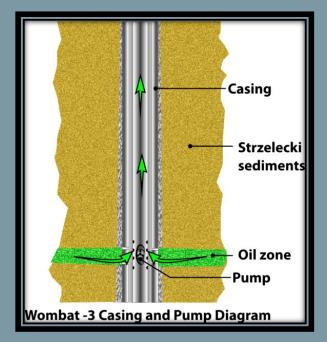
PRL 2 Gippsland Basin





PRL 2 Proposed Wombat 3 oil zone flow test



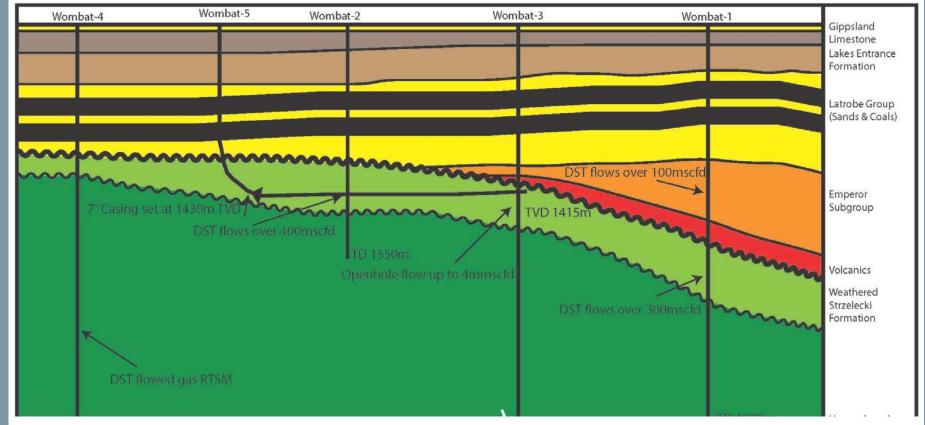


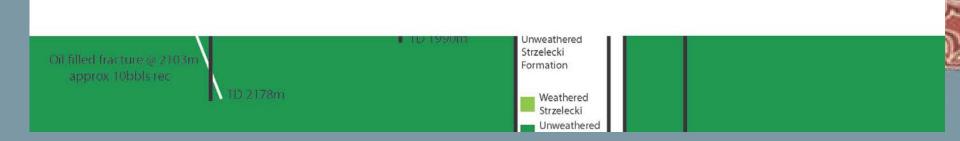
Lakes plans to isolate the oil bearing zone in Wombat 3

- plan to install a downhole pump over the interval.
- installation of the pump will hopefully result in a substantially higher rate than achieved previously.
- plan to carry out this program as soon as possible subject to all approvals.



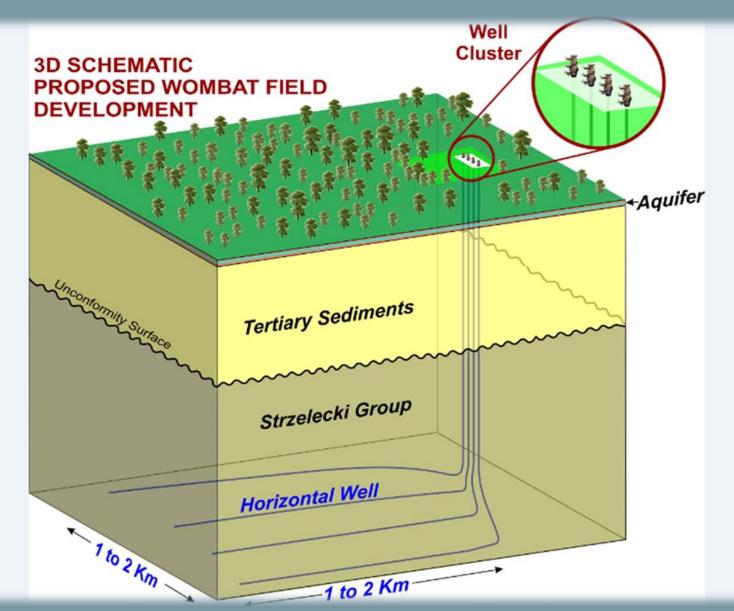
Proposed Wombat 5 conventional horizontal well schematic







Proposed Wombat field development





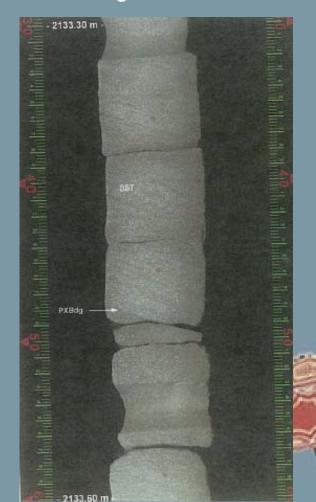
Wombat 5

Similar Lithologies between fields

Wombat-2 core



Longtom-2 core



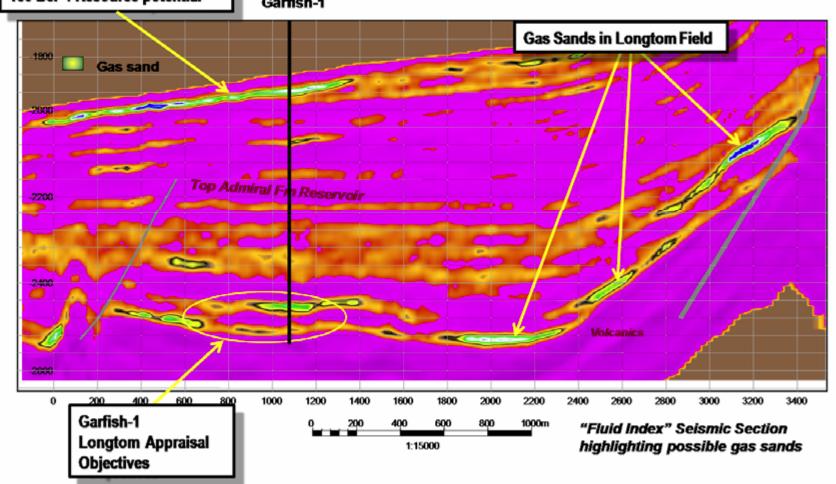


Proposed Wombat 5



Longtom-4 Comparison

Garfish-1



Source: Nexus Energy website

