



Senex Energy Limited

Delivering value and growth

Ian Davies, Managing Director

Singapore and Hong Kong, June 2012



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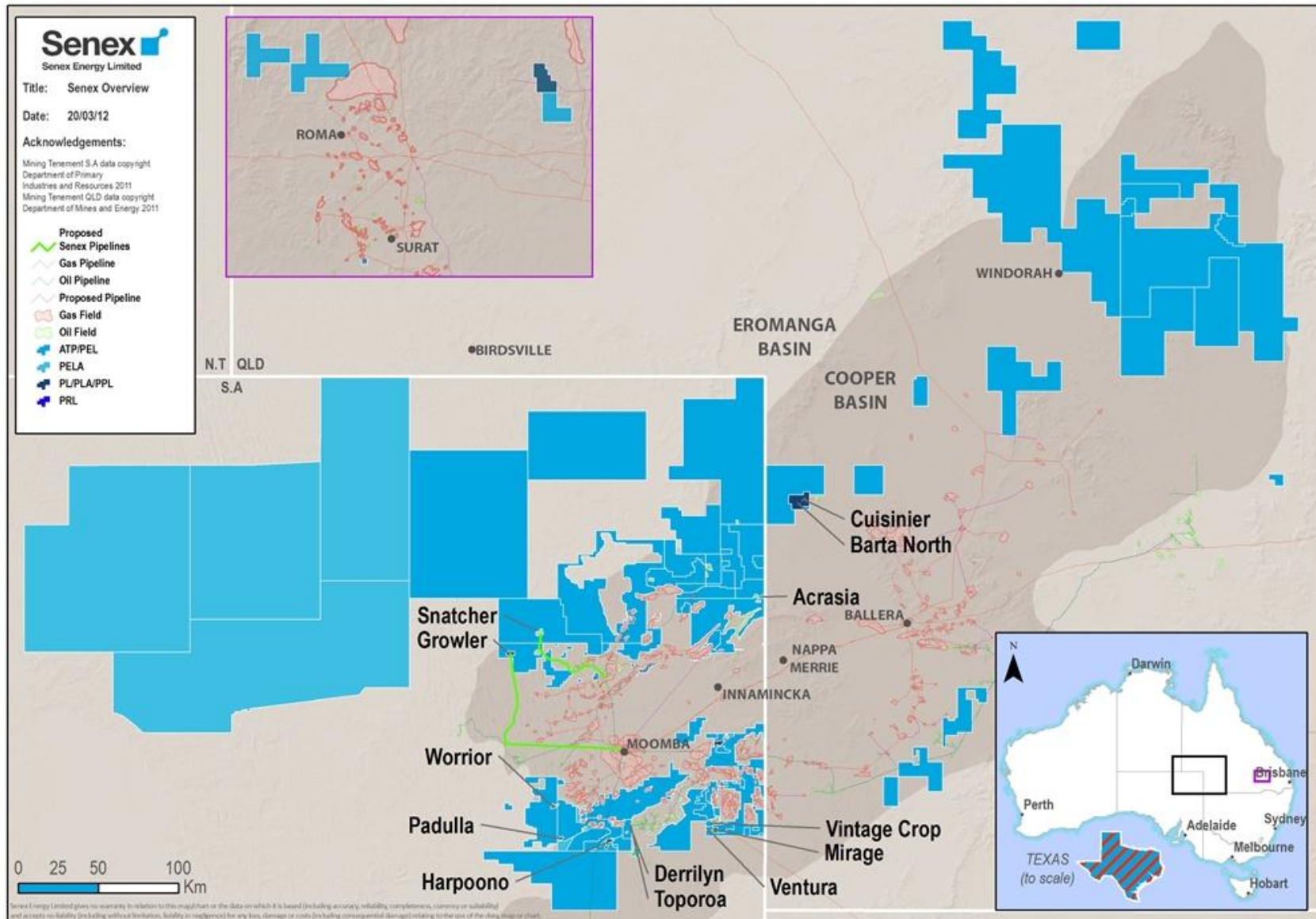
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Reserves

Unless otherwise indicated, the statements contained in this presentation about Senex's reserves estimates have been prepared by Dr Steven Scott BSc (Hons), PhD, who is General Manager – Exploration, a full time employee of Senex, in accordance with the definitions and guidelines in the 2007 Petroleum Resources Management System approved by the Society of Petroleum Engineers (**SPE PRMS**). Dr Scott consents to the inclusion of the reserves estimates in the form and context in which they appear. Senex's reserves are consistent with the SPE PRMS.

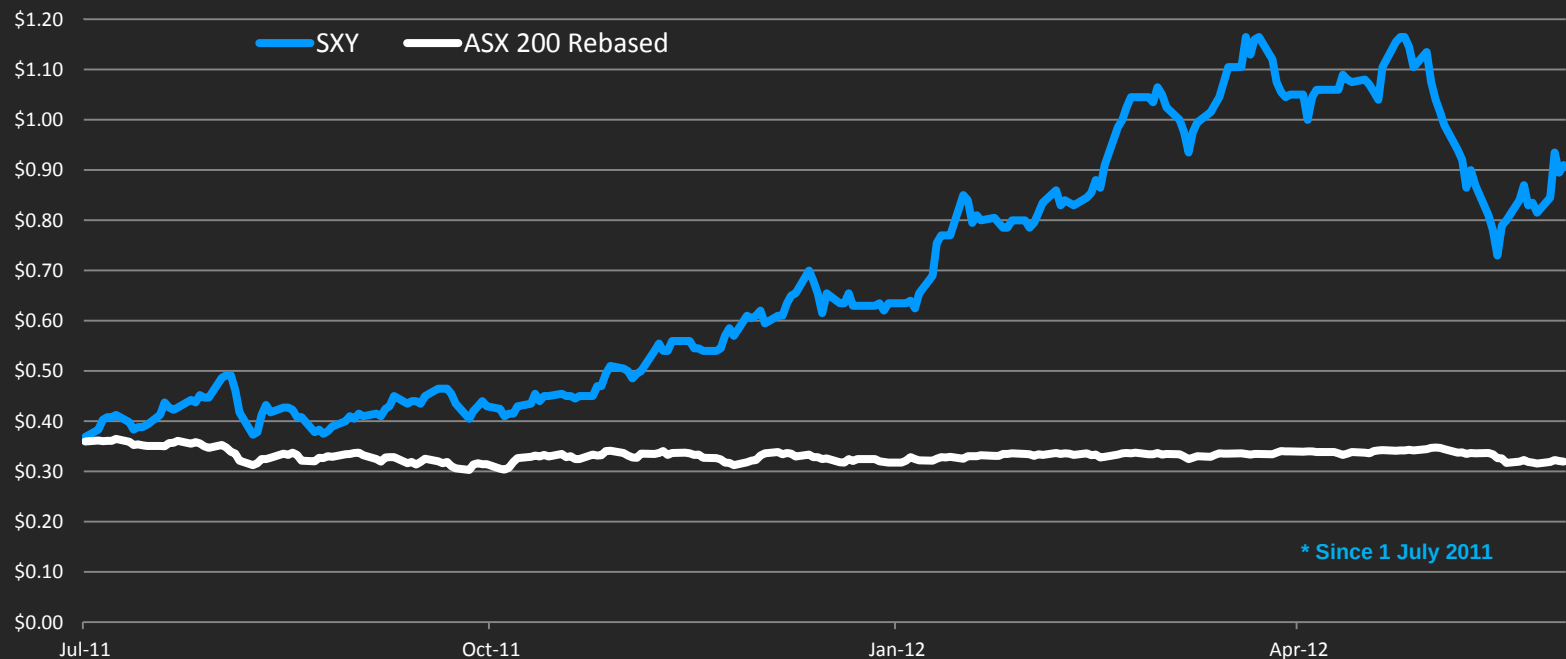
Senex Energy: Oil, CSG and Unconventional Gas



Senex share price continues to outperform...

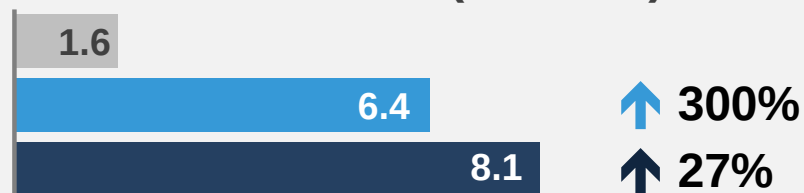
- Admitted to the S&P/ASX 200 in April 2012
- Ranked 5th on the Deloitte Queensland Energy and Resources Index *
- Market capitalisation of ~\$850 million

Senex share price materially outperforms the S&P/ASX 200

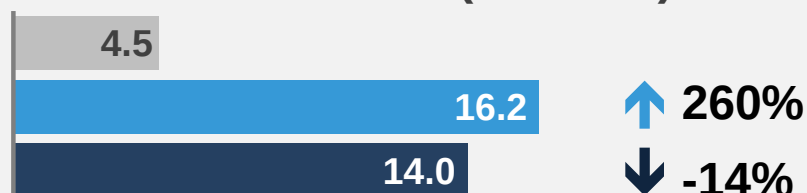


...with excellent success to date on all key metrics

Net 2P oil reserves (mmbbls)



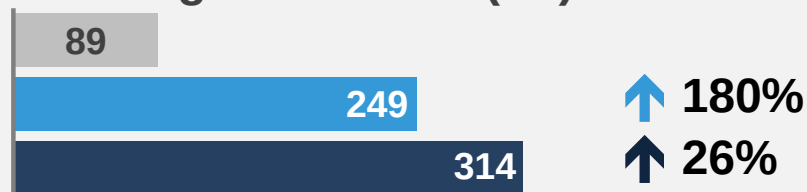
Net 3P oil reserves (mmbbls)



Net 2P gas reserves (PJ)



Net 3P gas reserves (PJ)



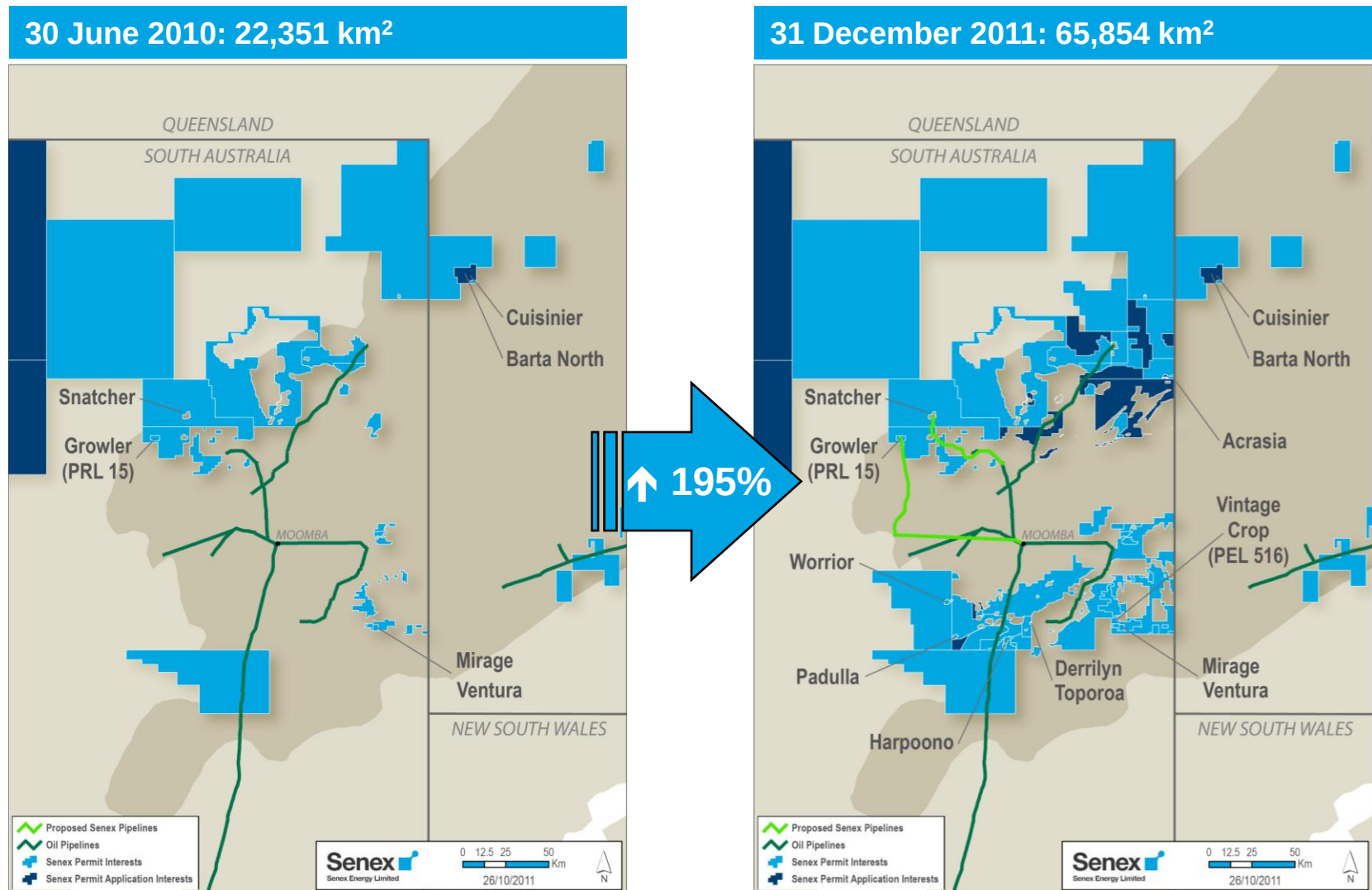
Share price (A\$m)



Market capitalisation (A\$)



Senex a high growth Cooper Basin E&P company...



...with a focus on execution of strategic priorities



- 1. Growing the oil business to generate cash flow**
 - Record oil production in FY12
 - 12 western flank exploration and appraisal wells drilled in 2011/12
 - Substantial reserve upgrade achieved in April
 - Record production rates (>5,000 bopd gross) achieved
- 2. Unlocking a world class unconventional gas resource**
 - Commenced definition of over 100 Tcf net Gas-in-Place resource
 - Successful injectivity testing at Allunga Trough-1
 - Sasanof-1 exploration well drilled and fracture stimulated – currently testing for gas flow
 - Talaq-1 exploration well currently being drilled
- 3. Appraising and developing Surat Basin CSG**
 - Material 2P reserve increase achieved



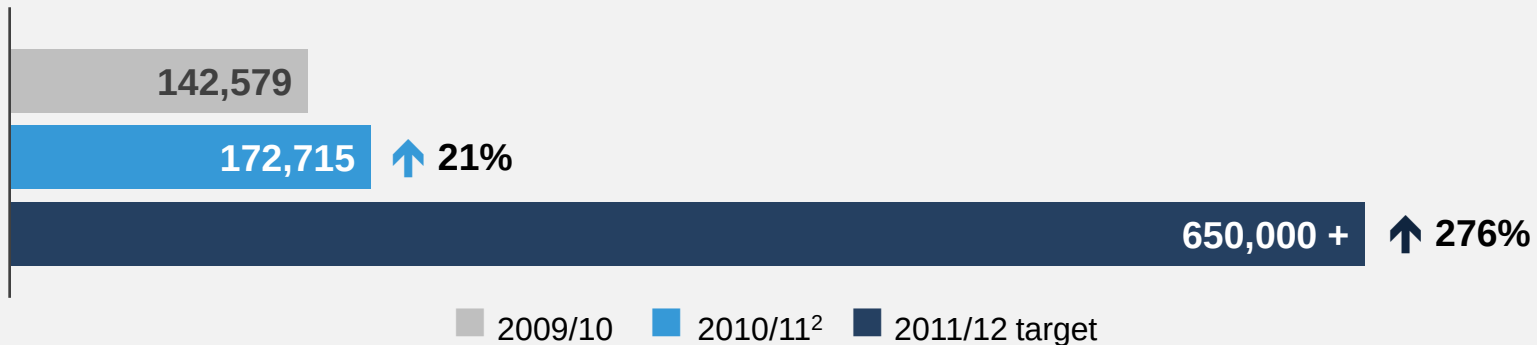
High margin oil business in the South Australian Cooper Basin

Oil production generating cash flow

- Strong oil pricing (Brent)
- High net back of ~A\$70 per barrel ¹
- Major land position and operatorship
- Fast drill and tie-in with high flow rates
- Low risk exploration on 3D seismic
- Proposed pipelines to increase production and secure delivery



Net oil production



12 western flank oil wells drilled in 2011/12

25 Birkhead channel exploration prospects in PEL 104 and PEL 111



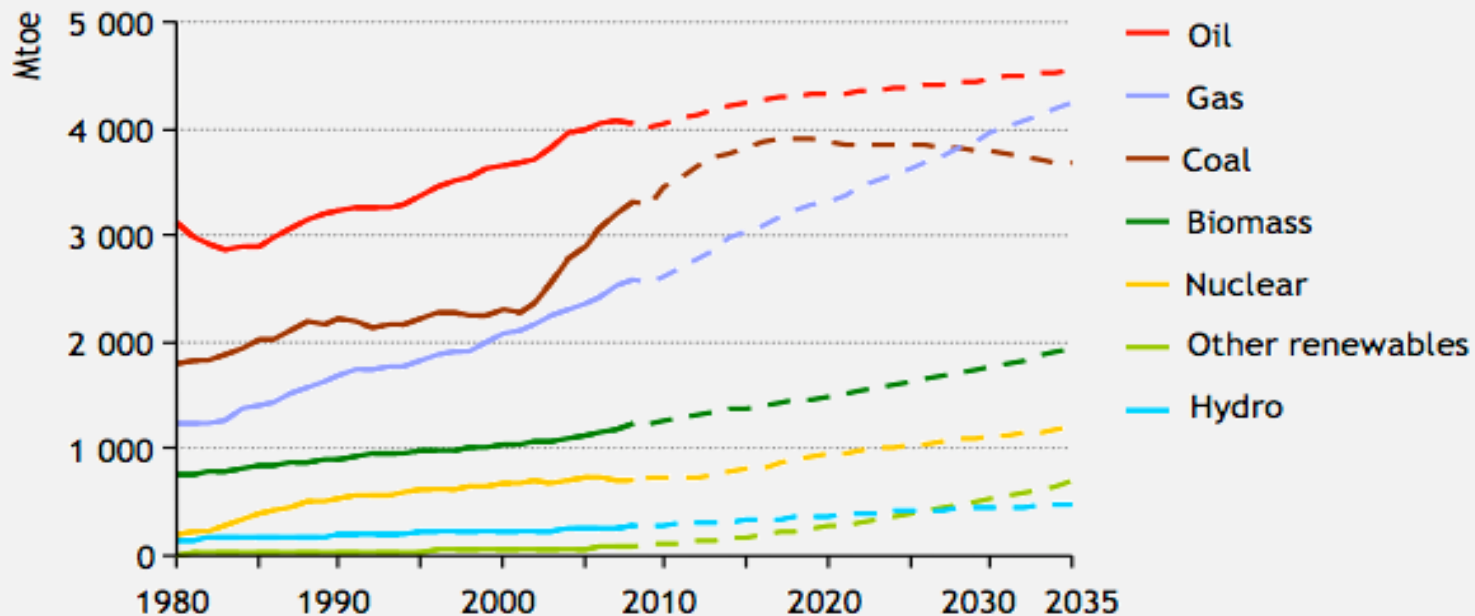


Strong outlook for Australian gas

Senex is in the box seat for the Golden Age of Gas

- Domestic growth fuelled by gas fired generation
- LNG markets provide access to oil-linked gas pricing
- Gas prices trending towards \$6-\$9 per gigajoule

World primary energy demand by fuel

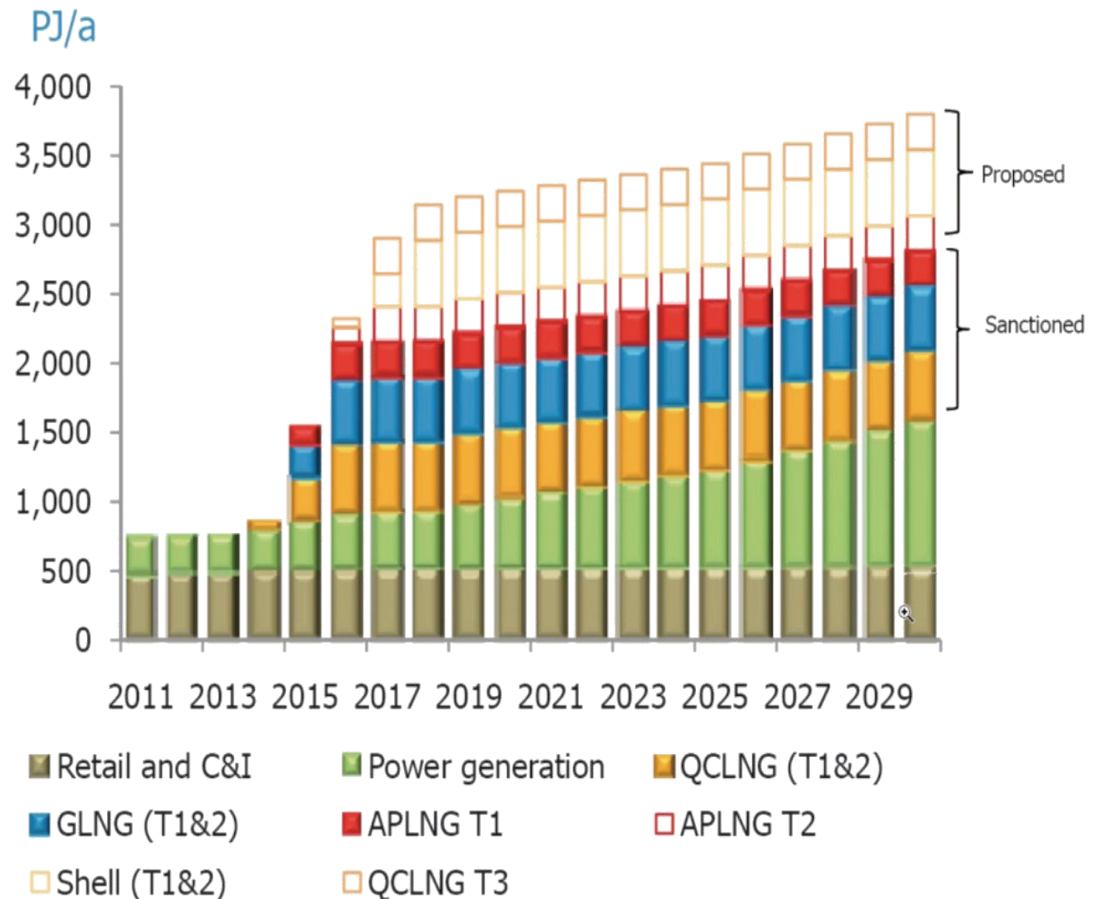


Source: International Energy Agency, World Energy Outlook 2011, GAS Scenario

Increasing gas demand in Australia's east coast

CHANGING DYNAMICS

- Eastern Australian domestic gas demand: ~700 PJ pa
- Total eastern Australian gas demand forecast to triple by 2020
- Growth driven by power generation and LNG
- Senex perfectly positioned to supply eastern Australian gas markets

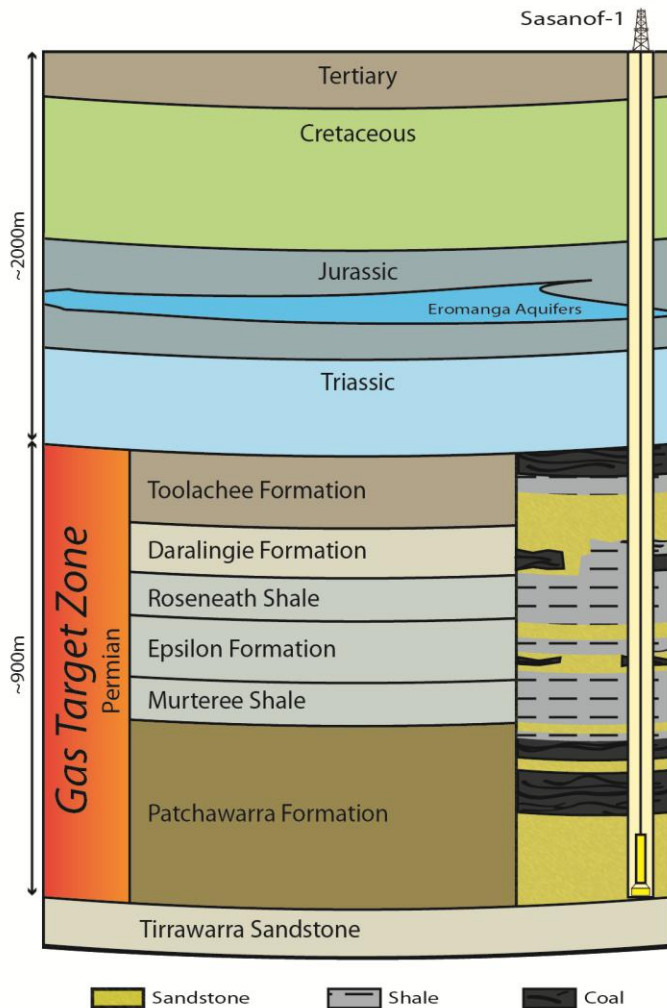


Source: Santos, Eastern Australia Business Unit Presentation, 26 September 2011



Commanding unconventional gas position in Australia's Cooper Basin

Senex Energy: world class unconventional gas potential



Stratigraphic column showing target formations for unconventional gas

Tight sands

- Toolachee, Epsilon and Patchawarra tight sand / coal sequences
- Basin centred gas plays
- North American analogues

Shales

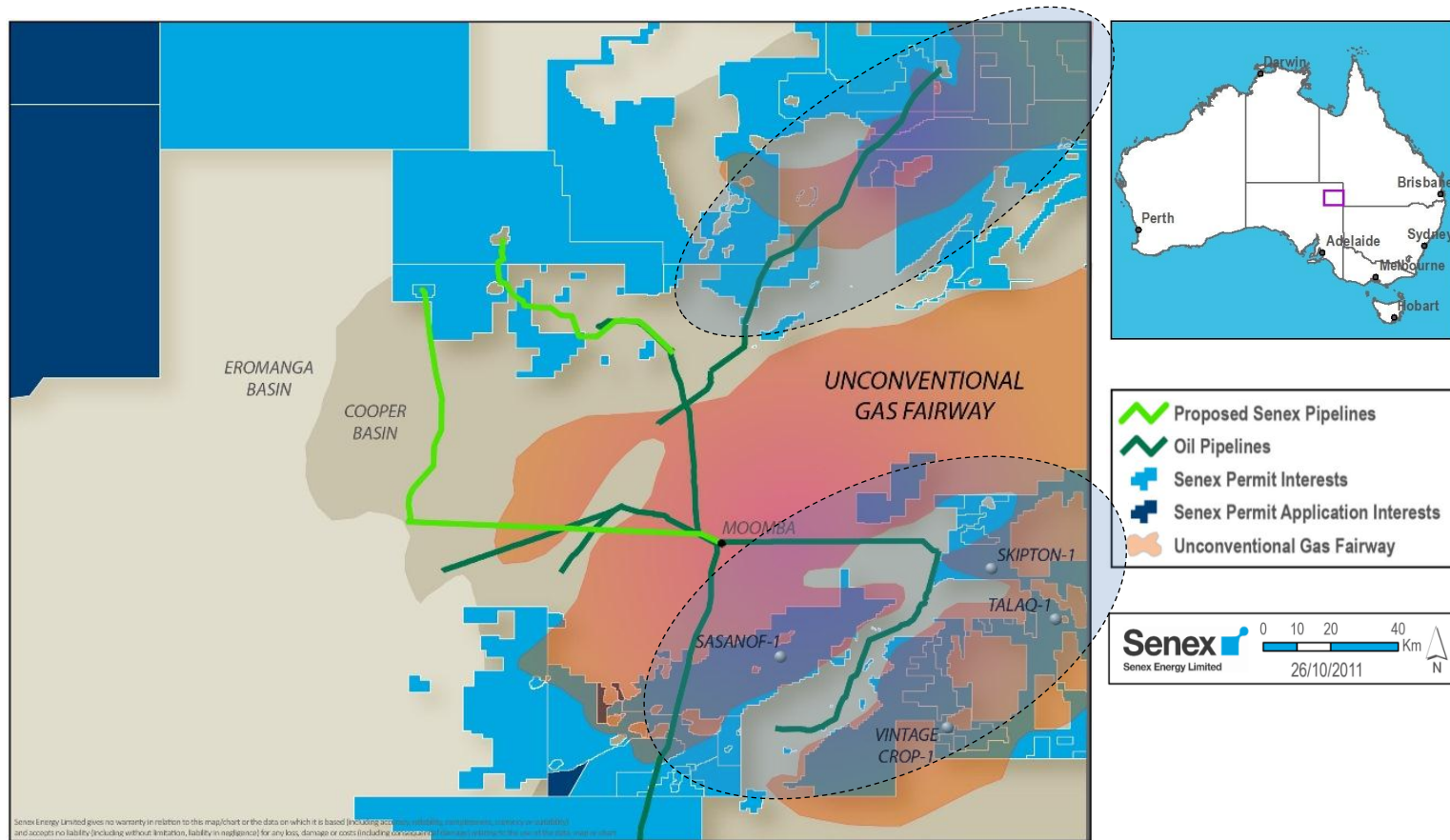
- Thick, mature Roseneath and Murteree shales
- North American analogues

Coals

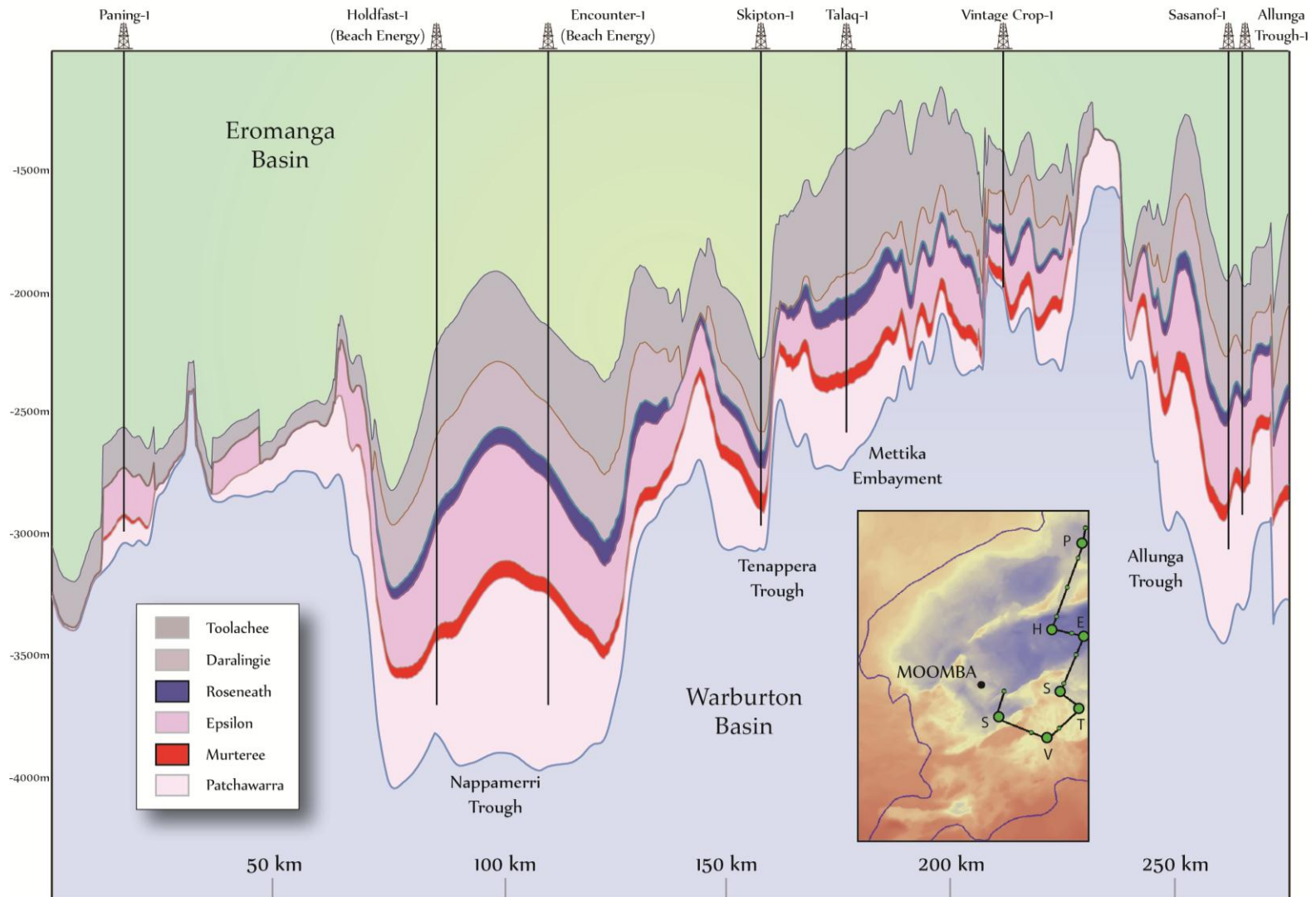
- Thick, mature Toolachee and Patchawarra coals

Large operated acreage position in the Cooper Basin

- Senex has strong unconventional gas resource potential in both the south (centred on PEL 516) and north of the South Australian Cooper Basin



SA Cooper Basin: a rich source for unconventional gas

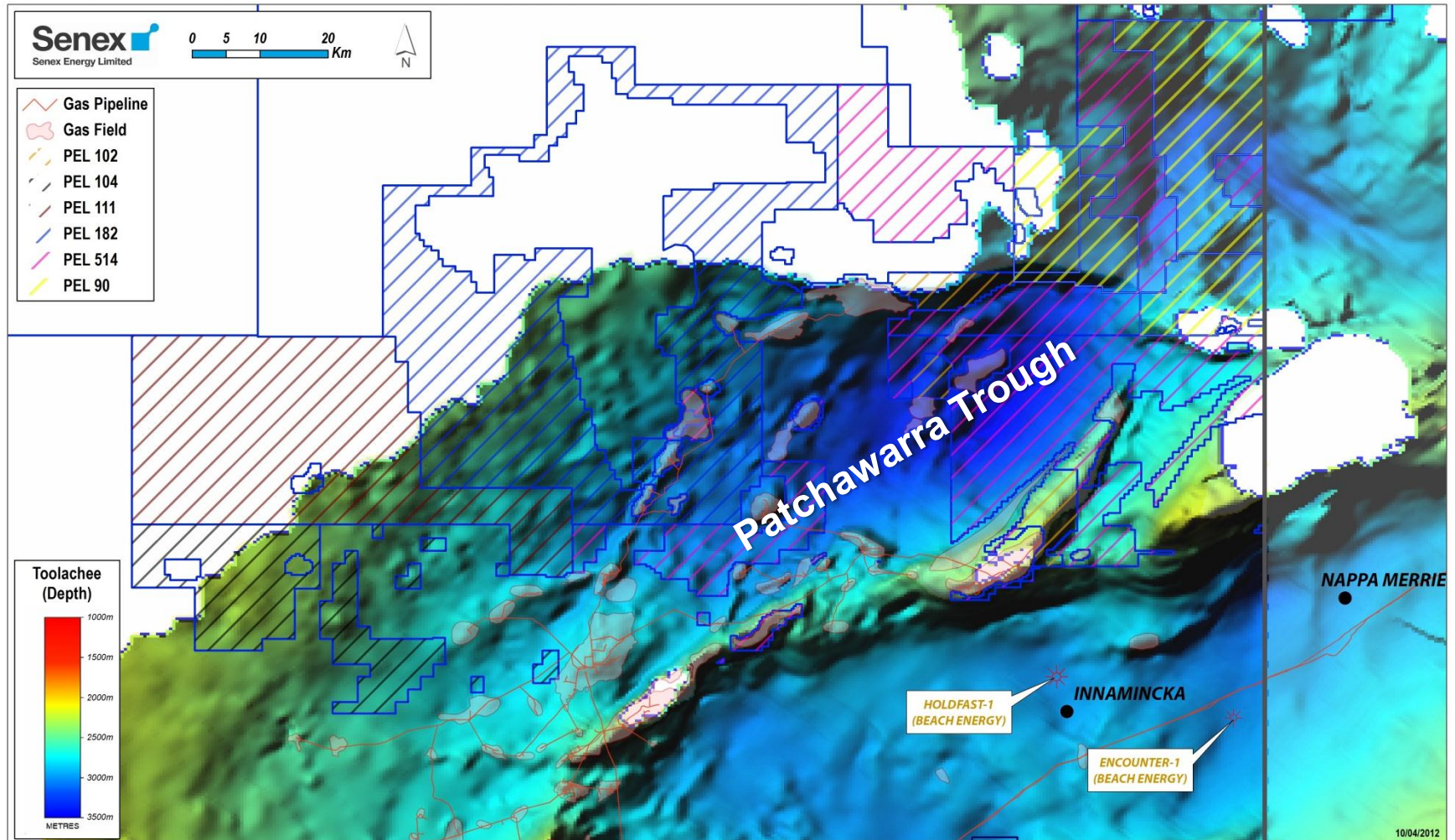


17 South Australian Cooper-Eromanga Basin north-south cross section

Source: DMITRE data, Senex interpretation

Senex northern acreage: Patchawarra Trough

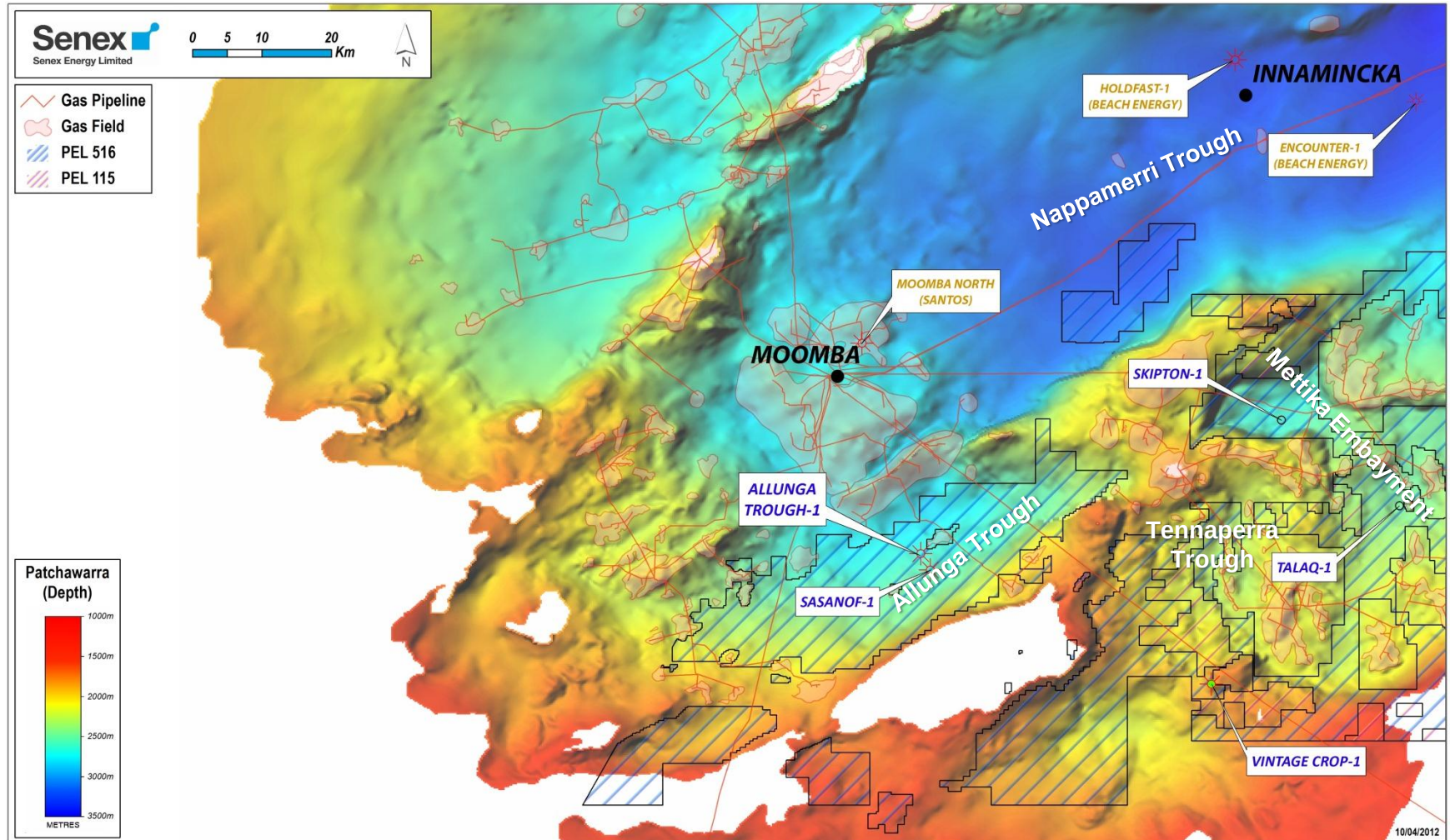
- Good tight sand and shale potential with work at early stage



18 South Australian Cooper Basin (north): depth to top of Toolachee Formation

Source: DMITRE data, Senex analysis

Senex southern acreage: shallower target zones...

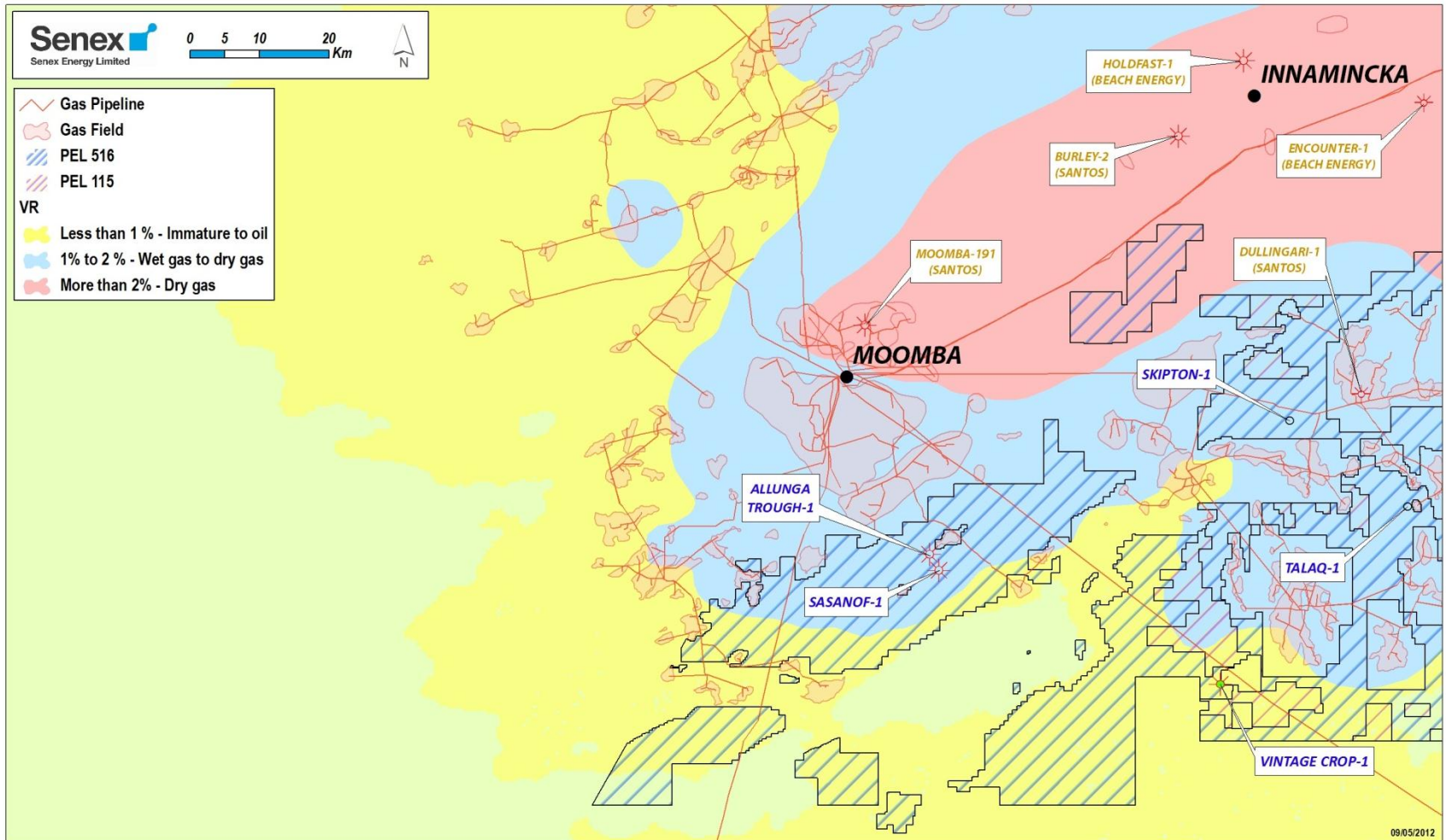


South Australian Cooper Basin (south): depth to top of Patchawarra Formation

Source: DMITRE data, Senex analysis

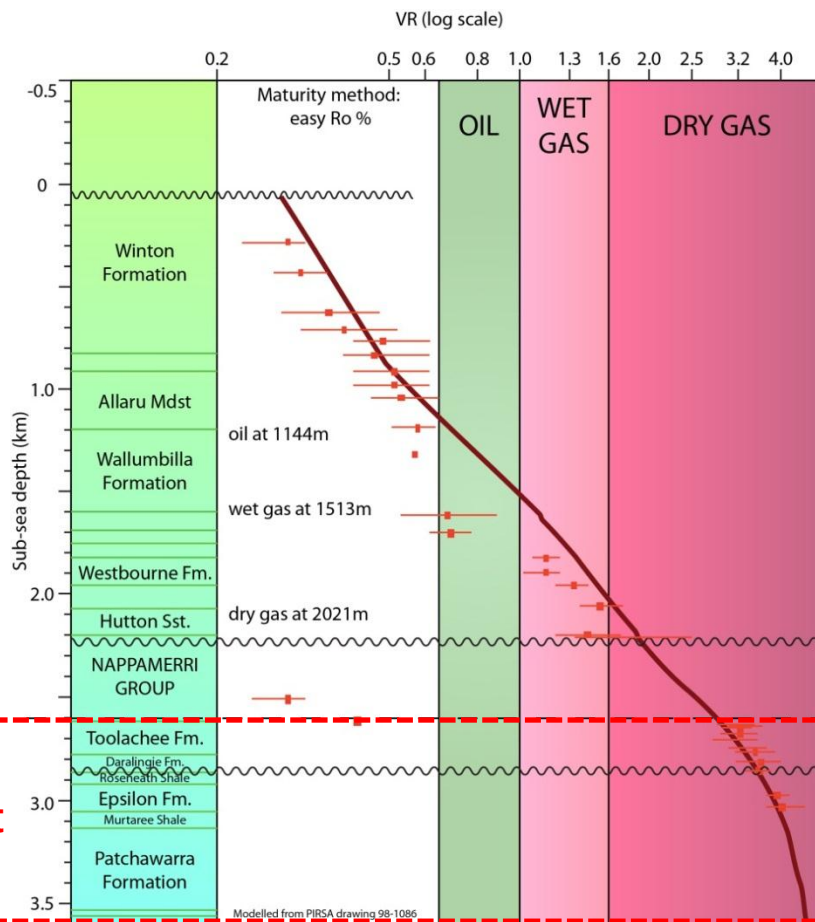
...in the 'wet gas' window

- The production of condensate dramatically improves economics

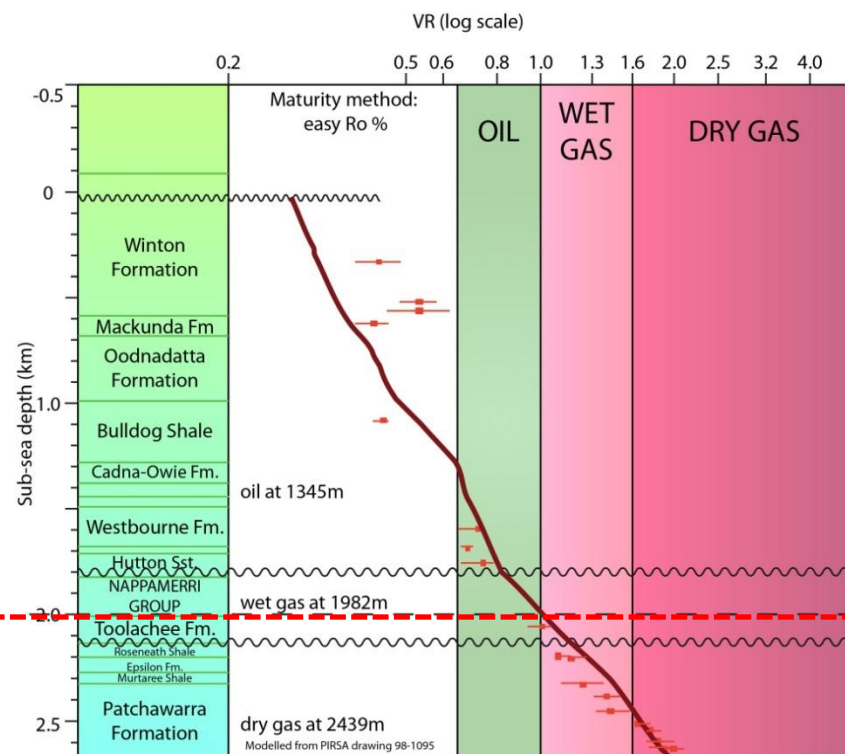


Liquids potential of PEL 516 already demonstrated

Nappamerri Trough:
Burley-2 conventional gas well (1984)



Mettika Embayment (PEL 516)
Dullingari-1 conventional gas well (1962)

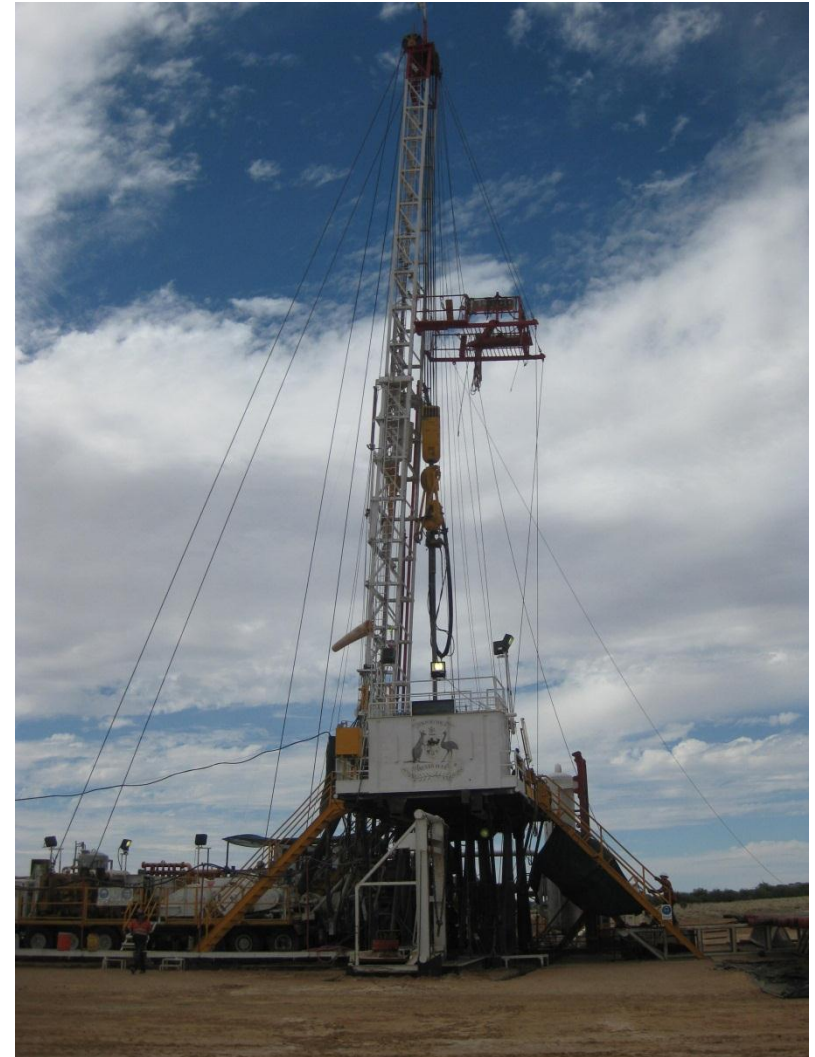


Gas
Target
Zone

PEL 516 program - excellent progress to date

Focused exploration program underway:

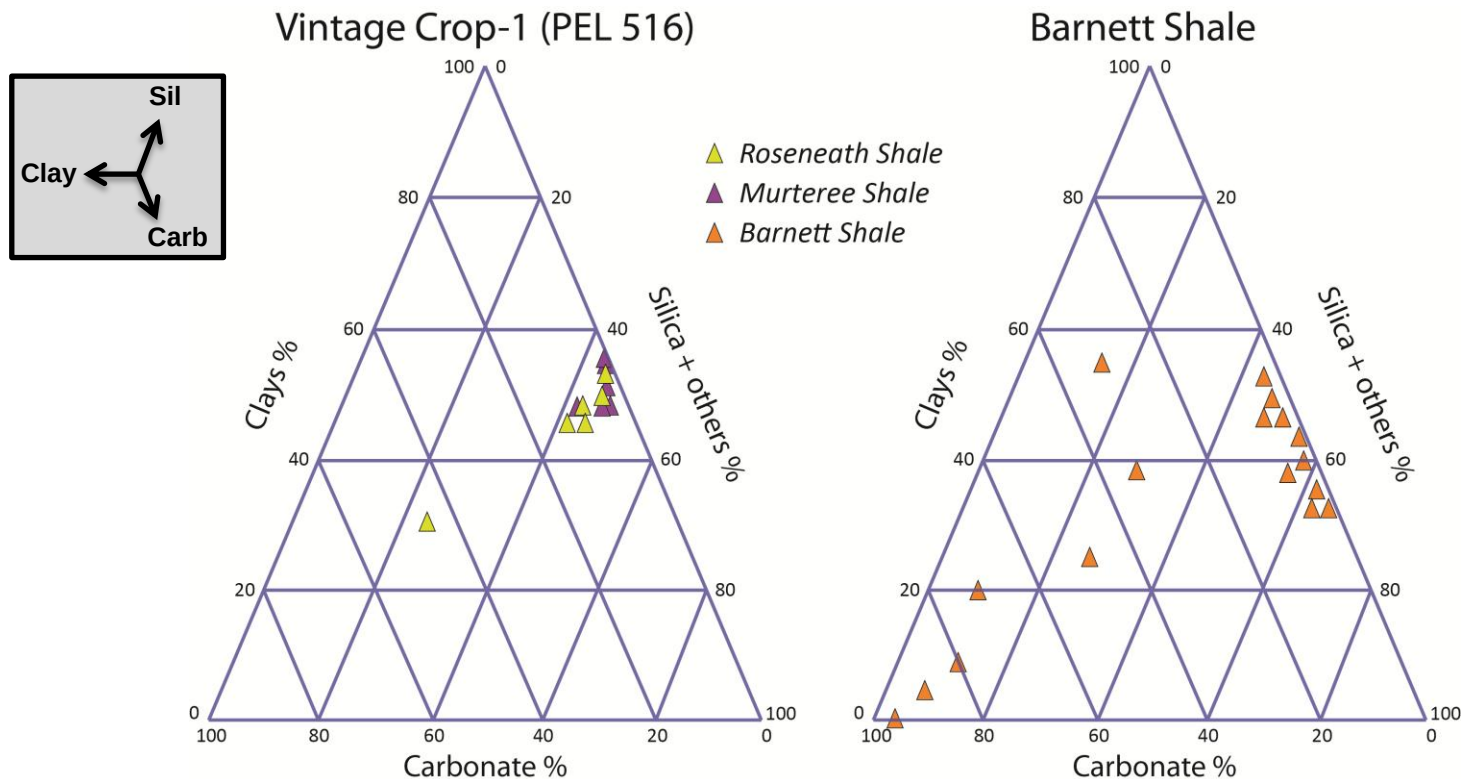
- Desktop studies undertaken on historic wells in surrounding area
- *Vintage Crop-1* – cored, full desorption analysis, rock mechanics and mineralogy testing
- *Allunga Trough-1* – diagnostic fracture injection testing
- *Sasanof-1* – drilled and fracture stimulated; awaiting flowback test results
- *Talaq-1* – drilled, currently being cased
- **Upcoming:**
 - *Skipton-1* (spudding July 2012)
 - *PEL 115* unconventional gas well
 - *Talaq-1* fracture stimulation



Sasanof-1

Encouraging results from Vintage Crop shale

- **Vintage Crop** results received in full:
 - Gas content results positive and in line with expectations with liquids present: C₂ - C₅ identified in material quantities
 - Rock properties consistent with successful North American plays



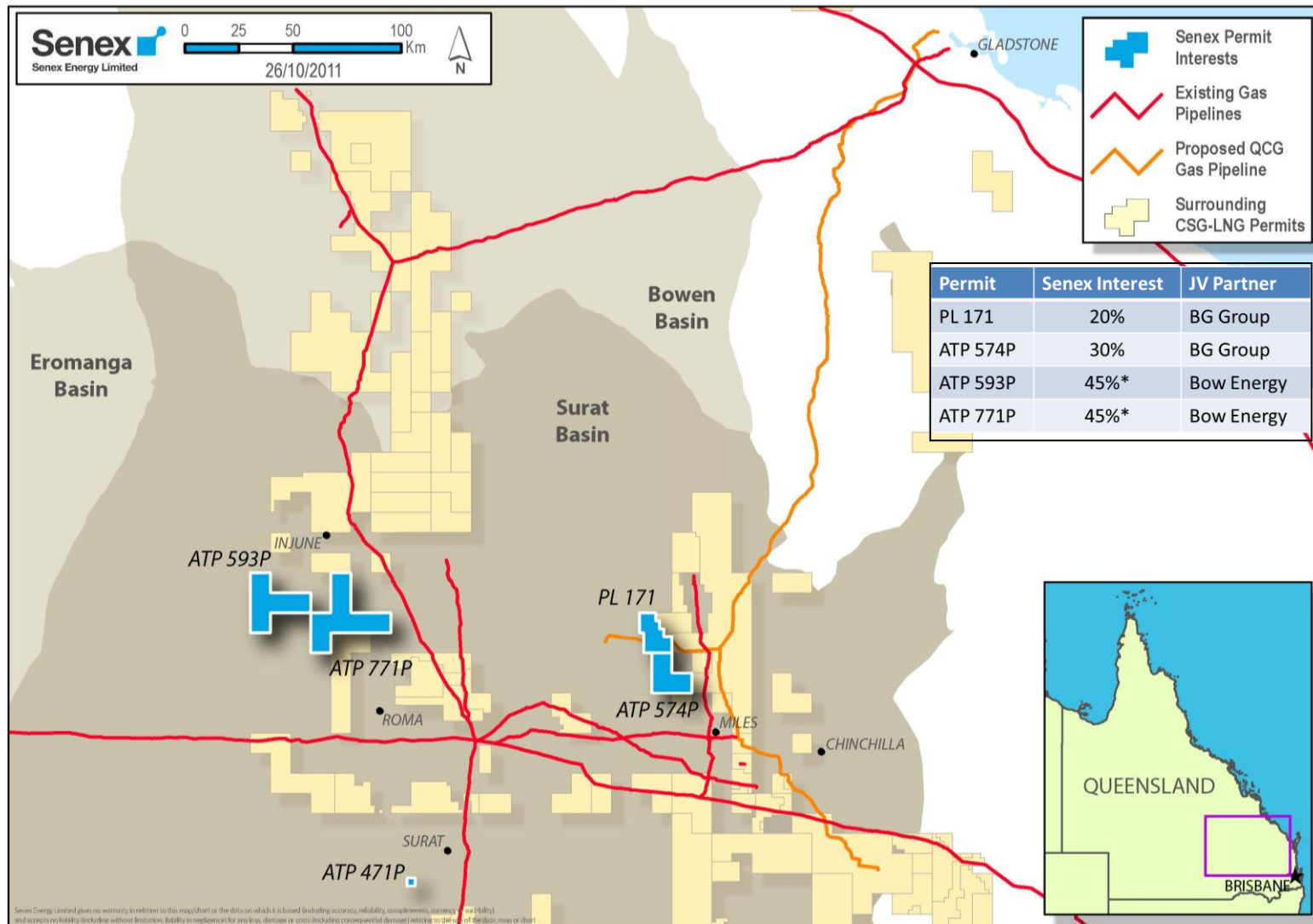
Sasanof-1 flow testing underway

- **Allunga Trough** injectivity test completed
 - Successful fracture stimulation of Roseneath and Murteree shales
 - This “mini-frac” important for large-scale fracture stimulation design
- **Sasanof-1**, Senex’s first dedicated unconventional well, completed early April 2012 with promising results:
 - Gas shows evident across Epsilon and Patchawarra sands
 - Positive gas shows from desorption testing of shales and coals
 - Presence of heavy gases and condensates indicated by chromatographic analysis
- **Sasanof-1** large-scale fracture stimulation successfully completed
 - Fracture stimulation intervals in both Roseneath and Murteree shales
 - Two fracture stimulation intervals in Patchawarra tight gas sands
 - Flow back results expected by mid-June 2012



Valuable coal seam gas business in Queensland's Surat Basin

Strategically located coal seam gas assets



Aggressive FY12 exploration and appraisal program

Material upgrades to 2P and 3P reserves achieved through FY12 work program:

ATP 574P (Senex 30%) and PL 171 (Senex 20%):

- Operated by QGC with active technical input from Senex
- Appraisal program focussed on 2P reserve additions and gas flow testing

ATP 593P /ATP 771P (Senex 45%) with Bow Energy:

- Operated by Senex
- Two core wells drilled in FY12, two more planned in June / July
- Continue to pursue 2P reserves coverage



Coal seam gas appraisal well being flared



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