



Senex Energy Limited

Positioned for growth

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Singapore and Hong Kong

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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.

Overview: Positioned for growth



CASH FLOW THROUGH OIL PRODUCTION

High margin, low risk oil business



FAVOURABLE GAS MARKET DYNAMICS

Strong demand for eastern Australian gas



GROWTH IN UNCONVENTIONAL GAS

Commanding unconventional gas position



DIVERSIFIED RESOURCE PORTFOLIO

Valuable coal seam gas business

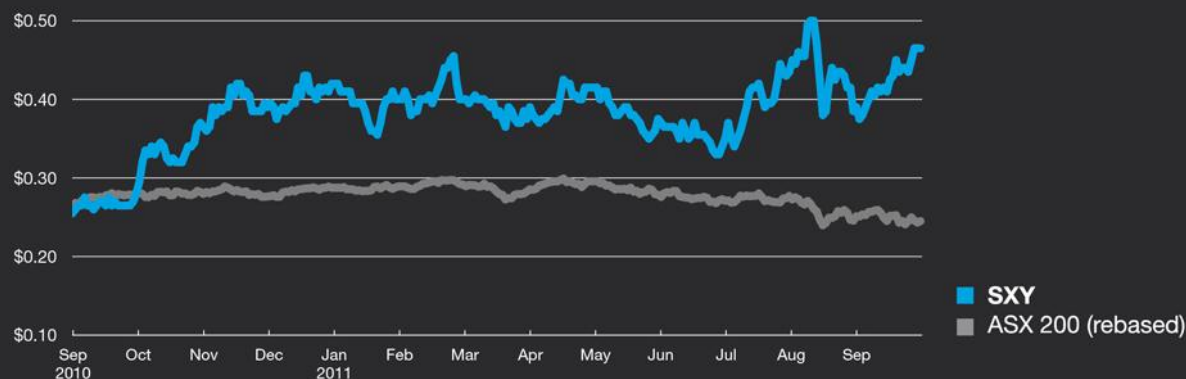


Introducing Senex Energy Limited,
the new name to watch in oil and gas

Senex Energy Limited (ASX:SXY)

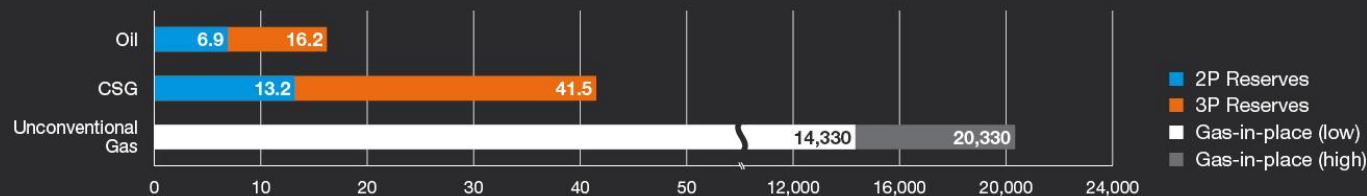
Senex is a strong Australian energy company, making smart choices to rapidly grow our diversified oil and gas portfolio

Senex has materially outperformed the ASX/S&P 200 over the last 12 months



Oil, coal seam gas and unconventional gas resources in strategic locations

Senex Resources as at 30 June 2011 (mmboe)

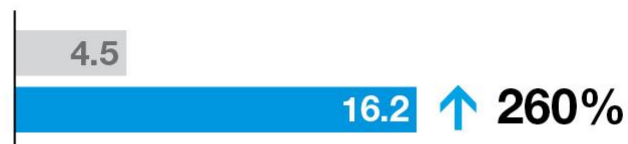


2010/11 Highlights

Net oil reserves

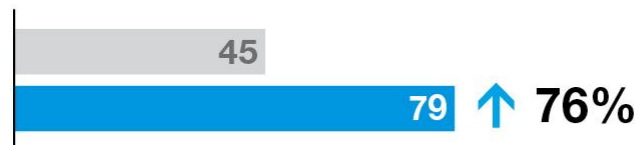


2P (from 1.6 mmbbls to 6.9 mmbbls at 30 June 2011)

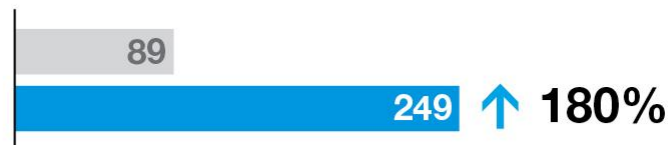


3P (from 4.5 mmbbls to 16.2 mmbbls at 30 June 2011)

Net gas reserves

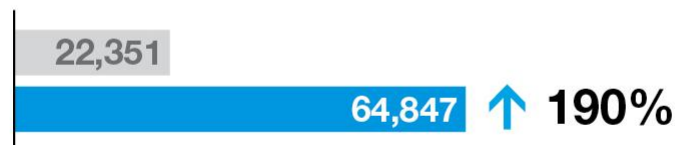


2P (from 45 PJ to 79 PJ at 30 June 2011)



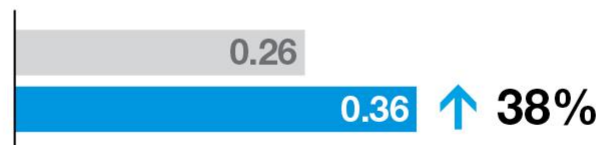
3P (from 89 PJ to 249 PJ at 30 June 2011)

Net land position



(from 22,351 km² to 64,847 km² at 30 June 2011)

Share price



(from \$0.26 at 30 June 2010 to \$0.36 at 30 June 2011)

A clear path to value and growth



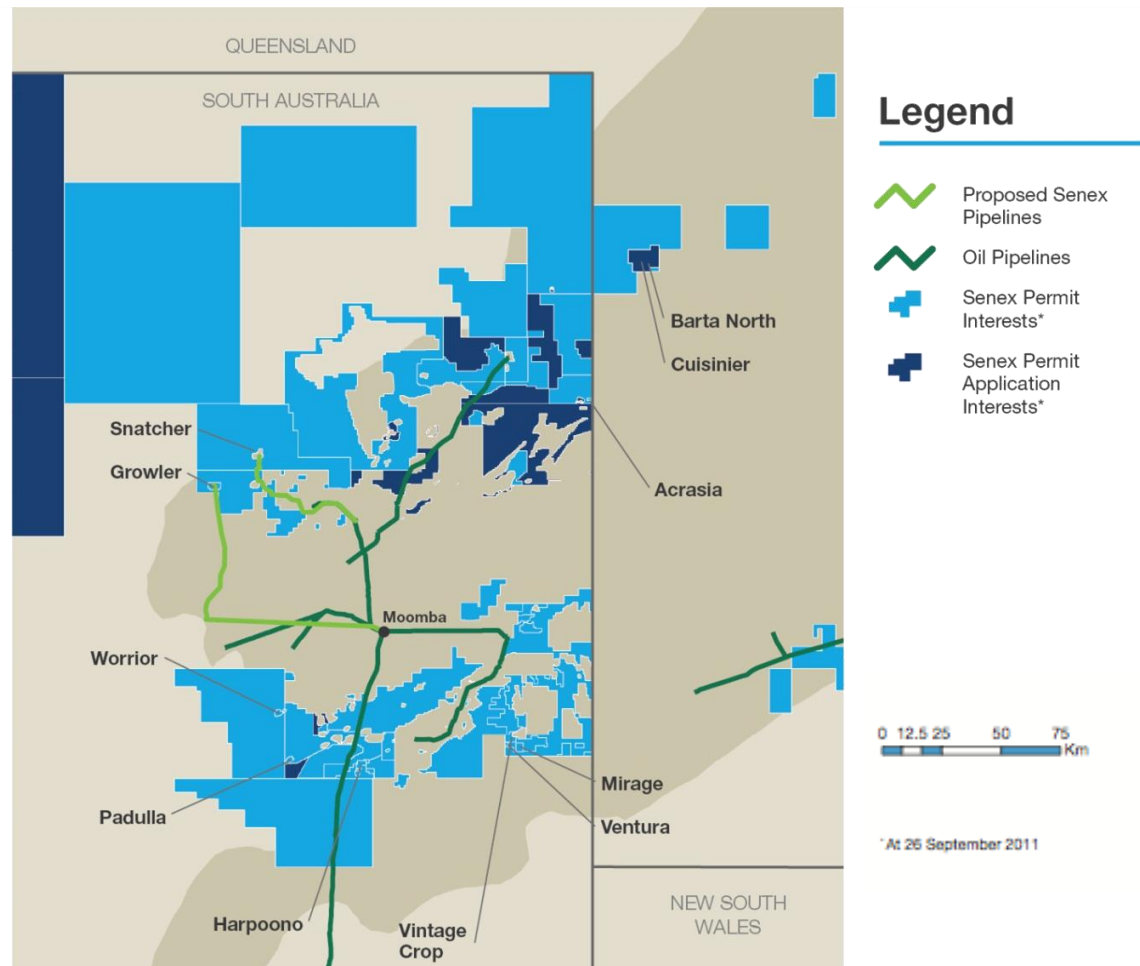
- 1. Grow the oil business to generate cash flow**
 - Cooper Basin flooding issues being resolved
 - Targeting >700,000 barrels of oil (net) in 2011/12
 - Drilling 11 western flank wells in 2011/12
- 2. Unlock a world class unconventional gas resource**
 - Demonstrate technical feasibility of unconventional gas production
 - Establish large scale, cost competitive resource base
- 3. Appraisal and development of Surat Basin CSG**
 - Targeting material 2P reserve increase and deliverability testing in QGC joint venture permits
 - Targeting material reserve improvements in Don Juan CSG Project (Senex operated)

An aerial photograph of a vast, flat, arid landscape in the South Australian Cooper Basin. The terrain is covered with sparse, low-lying vegetation and patches of red soil. In the middle ground, there is an industrial oil drilling site. It features a large, circular, reddish-brown area that appears to be a wellhead or a storage tank. To the left of this area, there are several small, white, rectangular buildings or containers. A tall, thin drilling rig or derrick is visible in the center of the site. The horizon is flat and extends to the top of the frame under a clear blue sky.

High margin oil business in the South Australian Cooper Basin

Positioned for rapid growth in the Cooper Basin

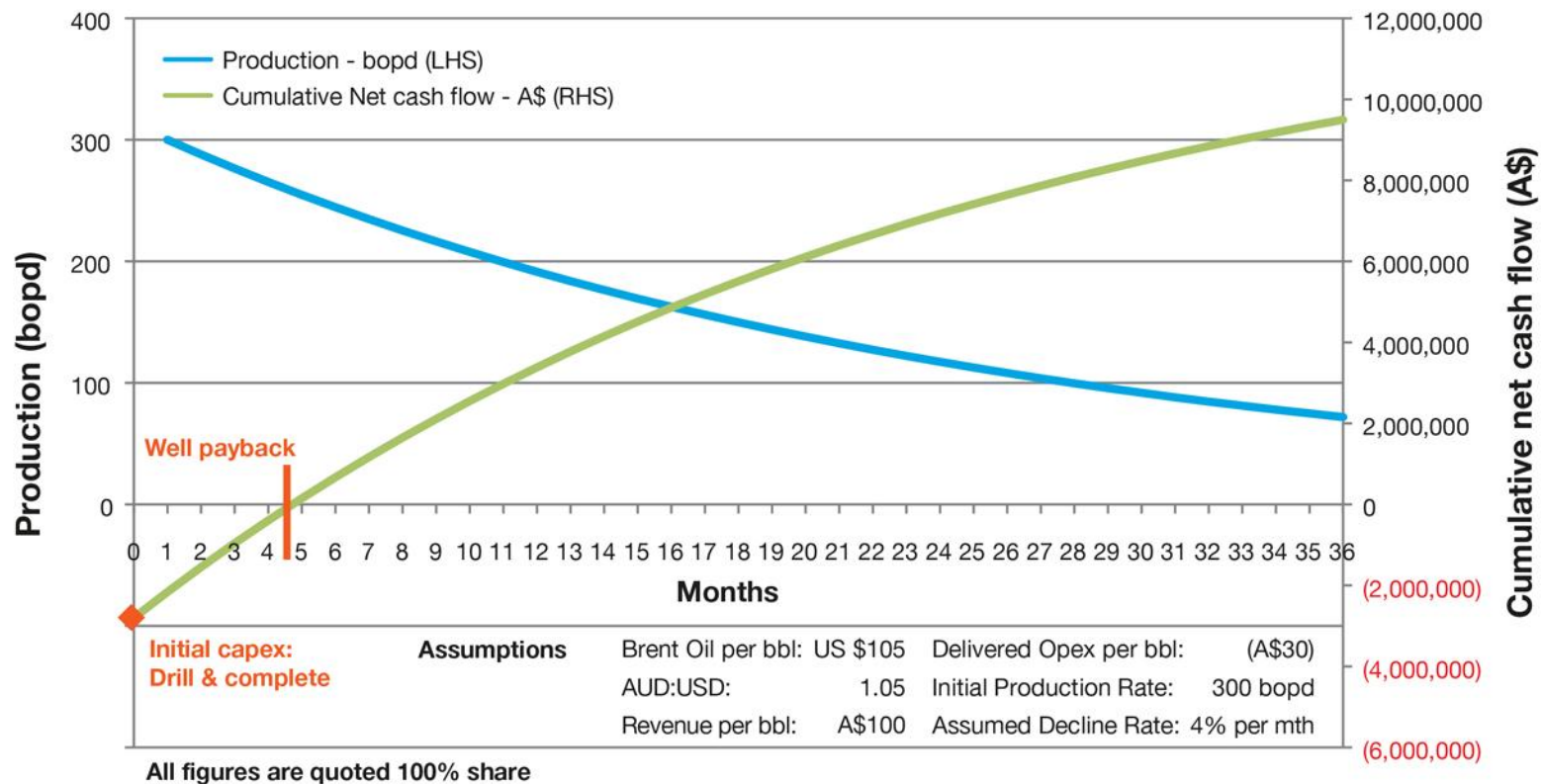
- Oil revenue priced off Brent – stronger than WTI
- High oil net back of ~A\$70* per barrel
- Major acreage holding with strong equity positions
- Senex operates all S.A. Cooper Basin production
- Fast drill and tie-in periods
- High flow rates from wells
- Lower risk exploration on 3D seismic
- Proposed pipeline infrastructure to increase production rates and secure product delivery



* At Brent oil price of A\$100/barrel, with delivered opex.

Western flank oil: a high margin business

- Development well payback c.5 months at current oil prices, delivering ~121% return with 12 months continuous production
- Typical Birkhead Channel oil well profile and economics:



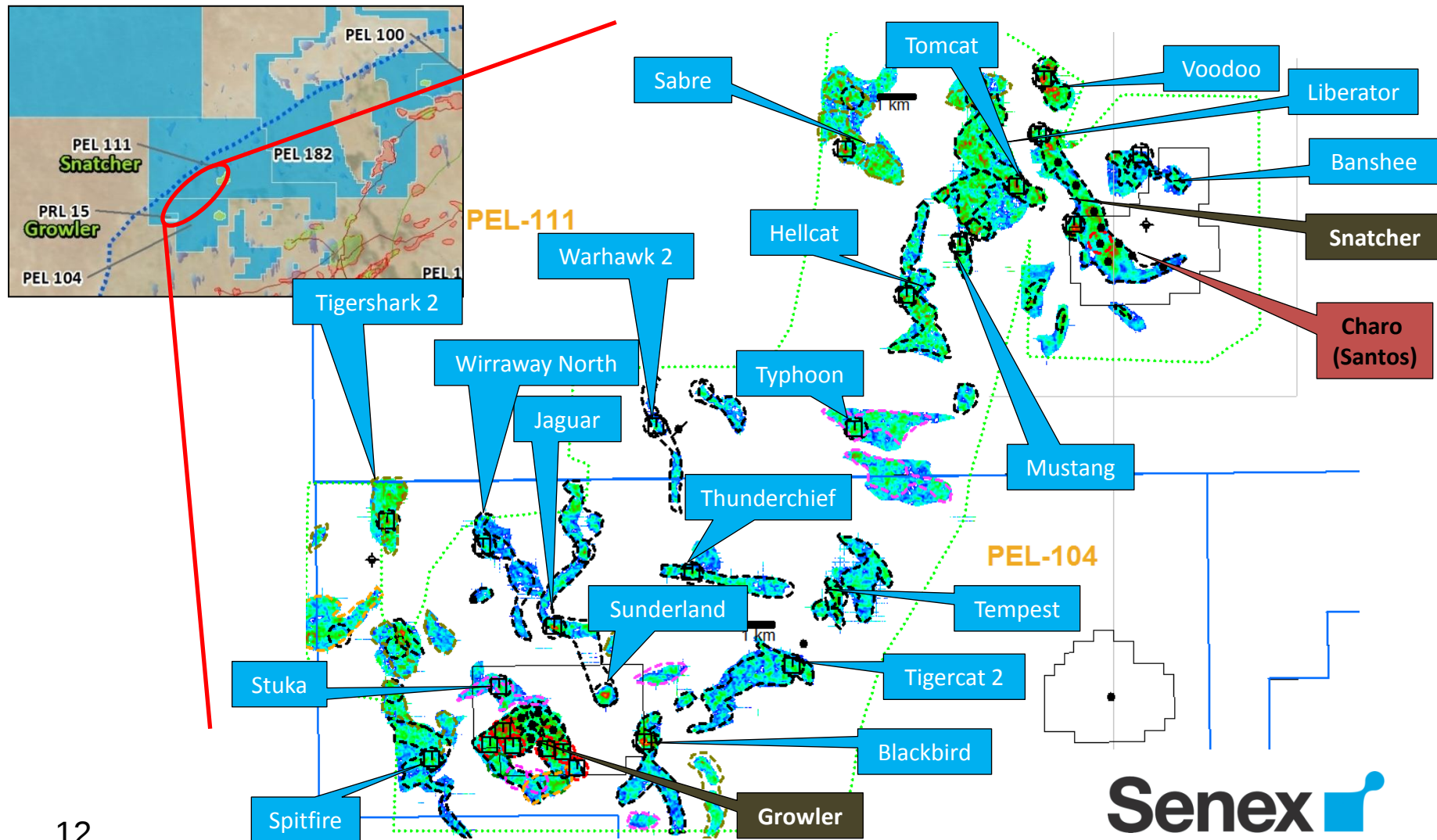
Fully funded 2011/12 work program

- More than \$90 million in cash following oversubscribed 1 for 5 entitlement issue in September 2011
- Targeting production of over 700,000 barrels of oil for 2011/12
- Demonstrated oil reserves growth with 2P reserves of 6.9 million barrels net and 3P reserves of 16.9 million barrels net
- Aggressive 2011/12 western flank exploration, appraisal and development program to accelerate reserves and production:
 - Six lower risk Birkhead channel exploration wells on 3D seismic
 - Five appraisal/development wells

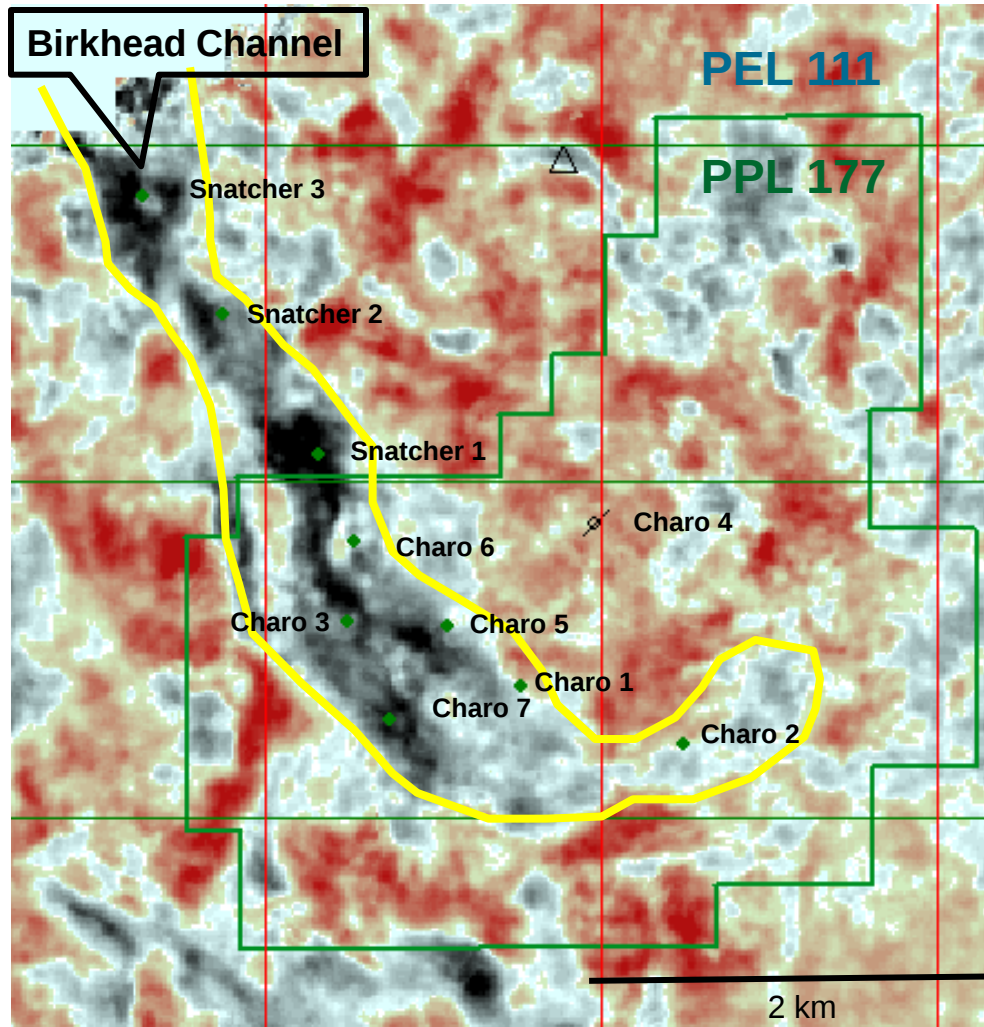


Reduced risk western flank exploration on 3D seismic

- 25 prospects on 3D seismic yet to be drilled in PEL 104 and PEL 111



Birkhead channel 3D seismic interpretation reduces risk



Source: PIRSA (open file data) as interpreted by Senex

- Birkhead channels can be mapped using 3D seismic data
- The Snatcher/Charo channel is seen here as black within a red background
 - Charo 1 – marginal (uneconomic), likely due to poor sand development
 - Charo 4 – failure, no sand development
 - Charo 2 – mostly water, good channel sand intersected with a high water contact
 - Charo 3, 5, 6, 7 and Snatcher 1, 2, 3 – intersects Birkhead channel with oil production

Important infrastructure to derisk oil production

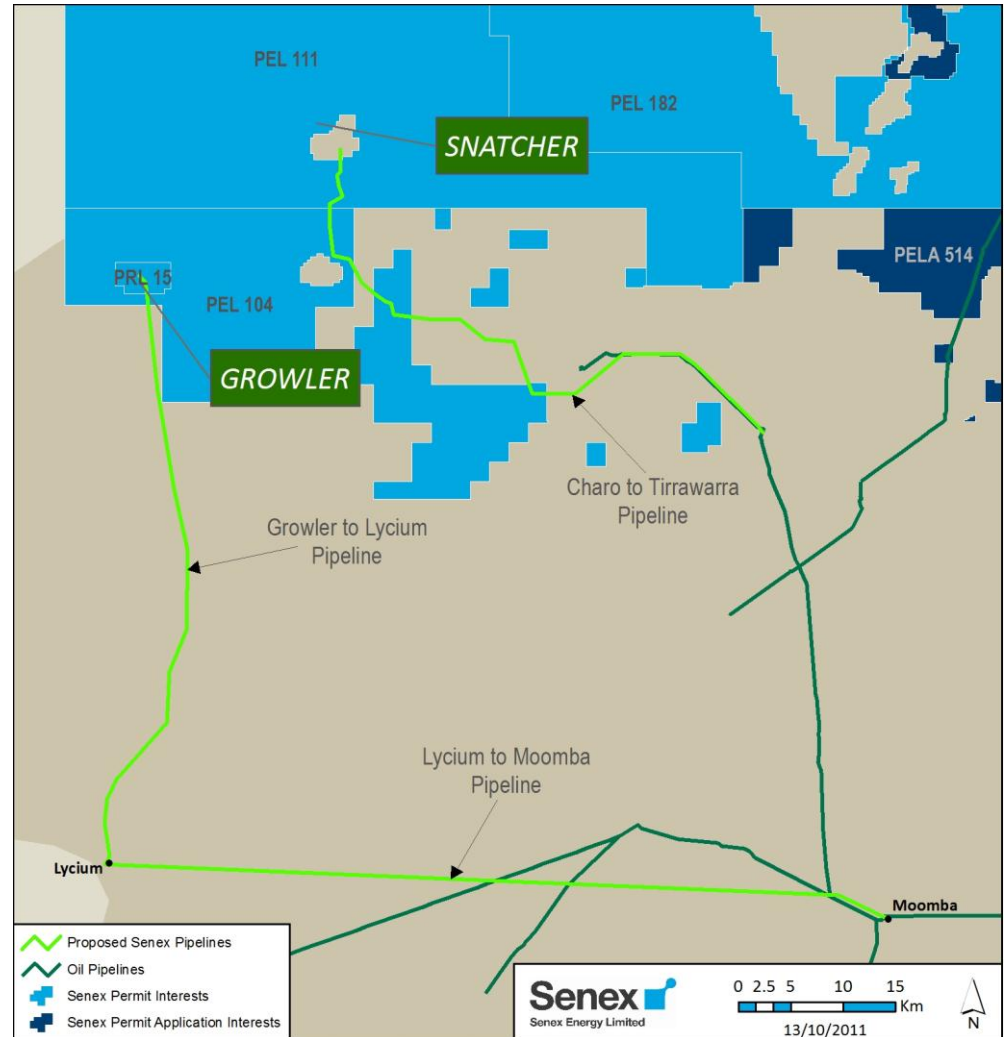
- Increased production rates
- Secure product delivery
- Reduced Opex

Growler-Moomba flowlines

- Growler to Lycium 6" flowline, 8,000 bopd (Senex 60%)
- Lycium to Moomba 8" flowline 15,000 bopd (Senex 40%)
- Due to be operational by end FY12
- Net cost to Senex ~\$20m

Charo-Tirrwarra flowline

- Agreement with SACB JV to increase capacity to take PEL 111 oil production
- Net cost to Senex ~\$2.5m, structured as tariff prepayment



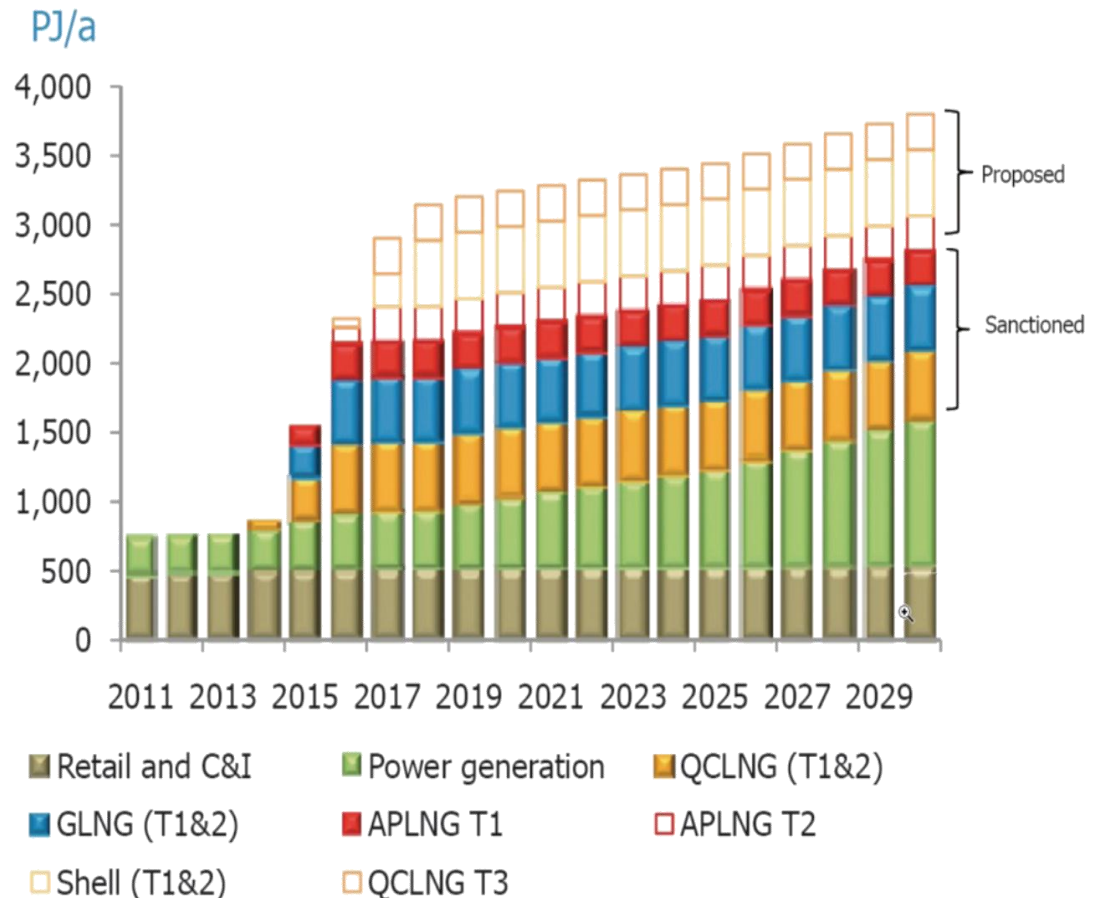


**Strong demand for eastern
Australian gas**

Increasing gas demand, increasing cost of supply

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



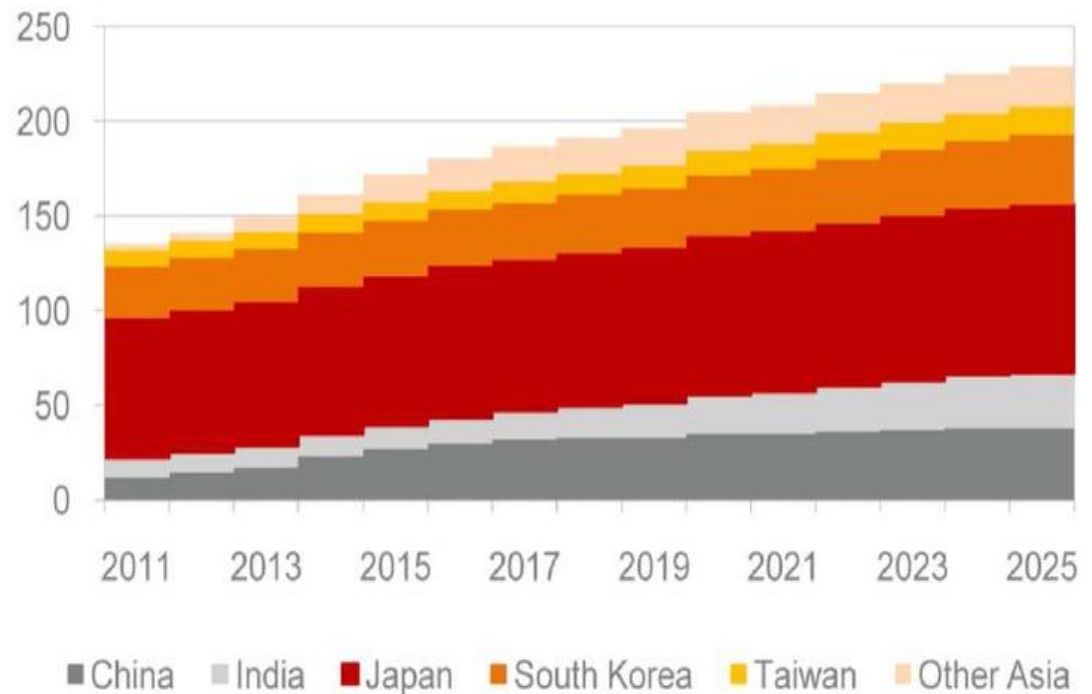
Source: Santos, Eastern Australia Business Unit Presentation, 26 September 2011

Asian LNG demand underpins Qld LNG industry

STRONG LNG DEMAND

- Asian LNG demand forecast to exceed 200Mt by 2025
- Three Gladstone-based LNG projects approved to proceed
- Senex coal seam gas acreage in prime LNG feedstock region

Reference LNG demand – Total Asia (Mt)



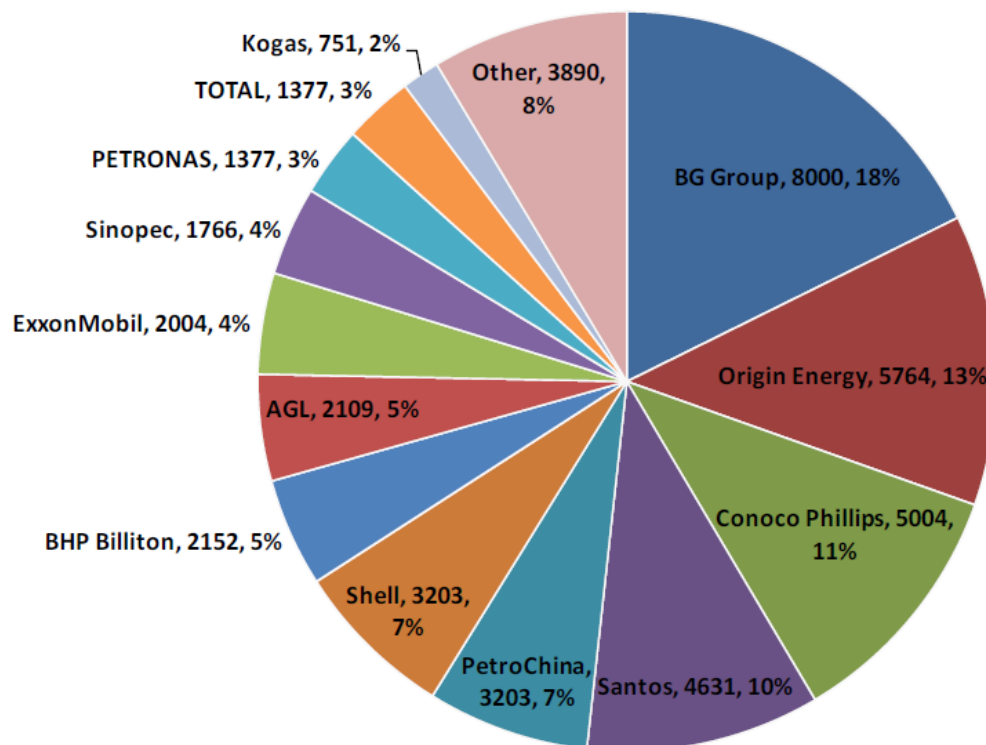
Source: Core Energy Group

East coast gas market tightening significantly

CHANGING MARKET DYNAMICS

- LNG markets provide access to oil-linked gas pricing
- Gas prices trending toward \$6-\$9 per gigajoule
- Independent gas producers with commercial reserves positioned to supply higher priced domestic markets and LNG

Australian east coast 2P gas reserves (PJ)



Source: Energy Quest, August 2011

83% of east coast 2P gas reserves are held by Queensland LNG Projects participants



Commanding unconventional gas position in the South Australian Cooper Basin

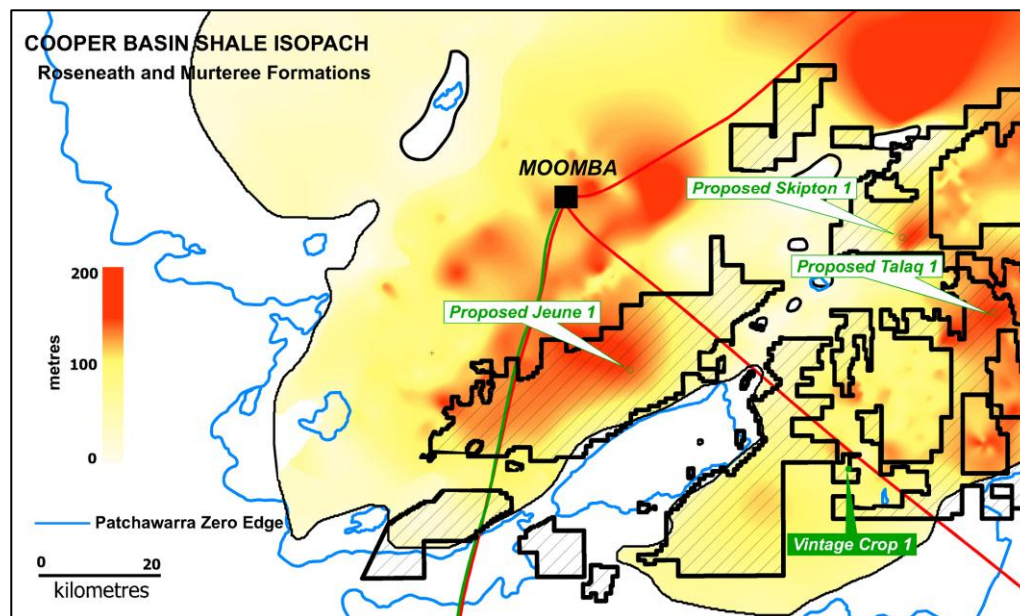
Cooper Basin unconventional gas portfolio

- Senex has a major position in unconventional gas in the South Australian Cooper Basin:
 - **Shales:** Thick, mature Roseneath and Murteree shales
 - **Coals:** Thick, mature Toolachee coals and Patchawarra coals
 - **Tight sand / coal sequences:** Thick Toolachee and Patchawarra sand / coal sequences
- MHA Petroleum consultants estimate 86 – 122 Tcf of Gas-In-Place (Senex share) within shales and coals in Senex permits¹
- Strategic three well farm in commitment to PELA 514 (1,972 km²):
 - PELA 514 North: Conventional oil Birkhead Channel Sands (Growler oil field analogue)
 - PELA 514 South: Unconventional shale gas, tight gas sands and deep coal seam gas potential

¹ 86 – 122 Tcf does not include PELA 514 Gas-In-Place estimates, or additional Gas-In-Place within Tight Gas Sand reservoirs

Vintage Crop-1 significantly exceeded expectations

- Successful shale gas evaluation in Vintage Crop-1 in PEL 516 (Senex 100%) with continuous gas shows
- Core samples taken over 36 metres from 88 metre section
- Preliminary results confirm:
 - Presence of liquids rich gas
 - Favourable mineralogy
 - Properties similar to successful North American shale plays
- Potential gas-in-place in PEL 516 of over 100Tcf
- Further evaluation of shale gas potential by drilling three dedicated shale gas wells in FY12, including fracture stimulation and flow testing



2011/12 Unconventional gas exploration program

- Fracture stimulation injectivity test at existing Allunga Trough-1 well to gather shale mechanical properties data for larger frac program
- Three dedicated unconventional gas exploration wells to be drilled in PEL 516 (Senex 100%) in 2011/12 for budgeted cost of ~\$15 million
 - Wells to be fully cored, fracture stimulated and flow tested
- Material contingent resource booking targeted for financial year end

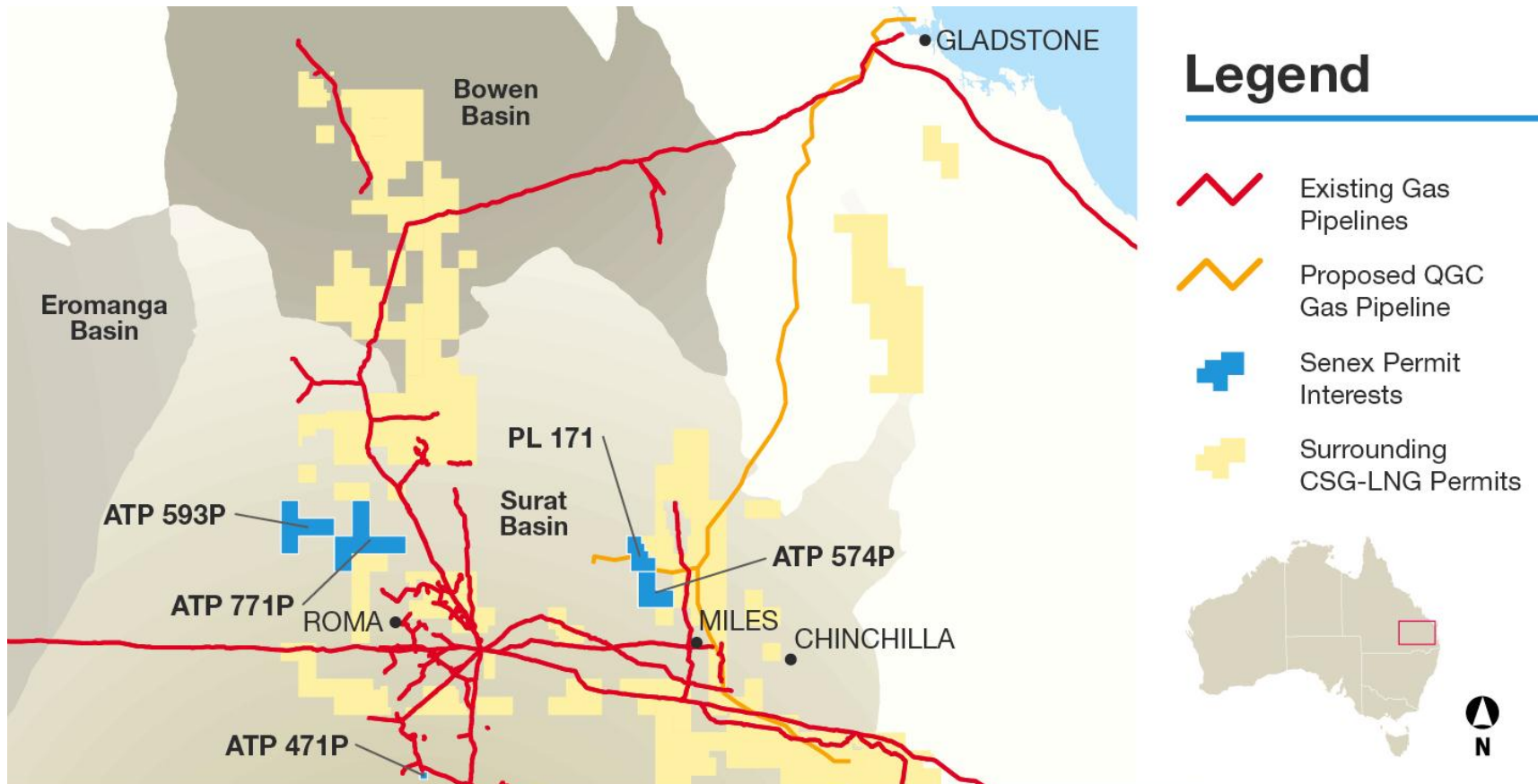


Vintage Crop-1 core samples from the Roseneath Shale

A photograph of a large industrial gas processing facility, likely for coal seam gas. The scene features several tall, vertical cylindrical vessels (distillation columns or absorbers) with multiple access platforms and ladders. These are interconnected by a complex network of yellow-painted pipes and valves. In the center, there are horizontal cylindrical tanks and more piping. The facility is situated in an open, arid landscape under a clear blue sky with some light clouds. The ground is dry and dusty.

Valuable coal seam gas business in Queensland's Surat Basin

Strategically located coal seam gas assets



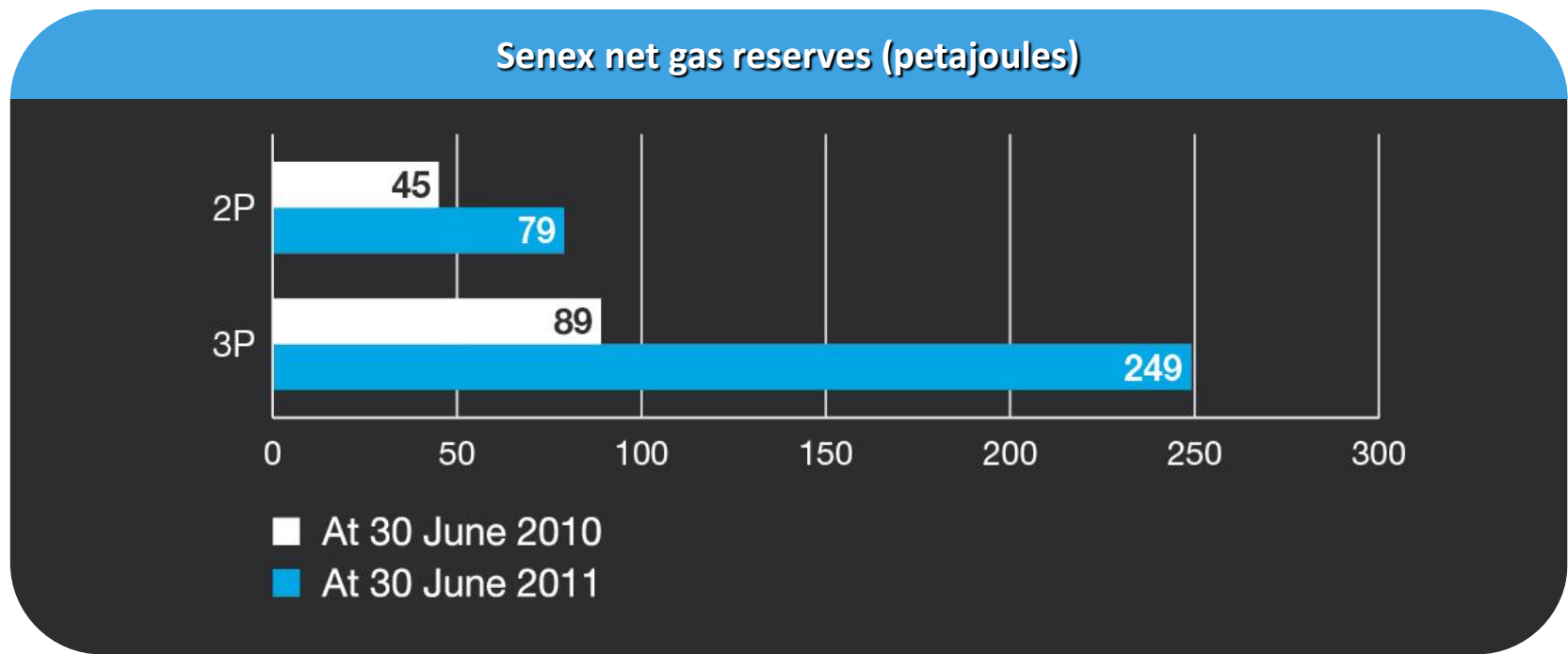
Aggressive FY12 exploration and appraisal program

- Aggressive exploration and appraisal programs in place to test production and materially increase 2P and 3P coal seam gas reserves during 2011 and 2012
- ATP 574P (Senex 30%) and PL 171 (Senex 20%) with QGC*:
 - Operated by QGC with active technical input from Senex
 - Appraisal program agreed focusing on significant 2P reserve additions and gas flow testing in 2012
- ATP 593P and ATP 771P (Senex 45%) with Bow Energy:
 - Operated by Senex
 - Plans agreed to pursue growth in certified reserves, with two core wells to be drilled in Q3 2011

*: A BG Group business

Significant reserves growth delivered in 2011

- Demonstrated reserves growth in coal seam gas permits
- Material 2P reserves additions expected from 2011/12 work program, including flow testing of appraisal wells
- Location of permits not adversely affected by landholder issues





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