



**Delivering a valuable
onshore oil and gas
business in Australia**

Investor presentation

March 2014

Important notice and disclaimer

Important information

This presentation has been prepared by Senex Energy Limited (**Senex**). It is current as at the date of this presentation. It contains information in a summary form and should be read in conjunction with Senex's other periodic and continuous disclosure announcements to the Australian Securities Exchange (**ASX**) available at: www.asx.com.au.

Risk and assumptions - An investment in Senex shares is subject to known and unknown risks, many of which are beyond the control of Senex. In considering an investment in Senex shares, investors should have regard to (amongst other things) the risks outlined in this presentation and in other disclosures and announcements made by Senex to the ASX. This presentation contains statements, opinions, projections, forecasts and other material, based on various assumptions. Those assumptions may or may not prove to be correct.

No investment advice - The information contained in this presentation does not take into account the investment objectives, financial situation or particular needs of any recipient and is not financial advice or financial product advice. Before making an investment decision, recipients of this presentation should consider their own needs and situation, satisfy themselves as to the accuracy of all information contained herein and, if necessary, seek independent professional advice.

Disclaimer - To the extent permitted by law, Senex, its directors, officers, employees, agents, advisers and any person named in this presentation:

- give no warranty, representation or guarantee as to the accuracy or likelihood of fulfilment of any assumptions upon which any part of this presentation is based or the accuracy, completeness or reliability of the information contained in this presentation; and
- accept no responsibility for any loss, claim, damages, costs or expenses arising out of, or in connection with, the information contained in this presentation.

Reserve and resource estimates

Unless otherwise indicated, the statements contained in this presentation about Senex's reserve and resource estimates have been compiled in accordance with the definitions and guidelines in the 2007 SPE PRMS. The information is based on, and fairly represents, information and supporting documentation prepared by, or under the supervision of, Mr James Crowley BSc (Hons) who has consented to the inclusion of this information in the form and context in which it appears in this report. Mr Crowley is a qualified petroleum reserves and resources evaluator, a member of Society of Petroleum Engineers and full time employee of Senex.

Overview

Introducing Senex

A sustainable oil business

Perfectly positioned gas resource

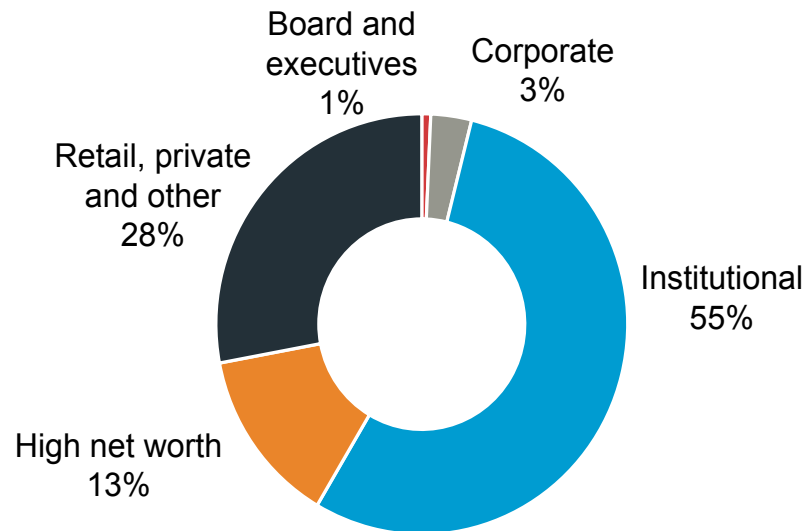
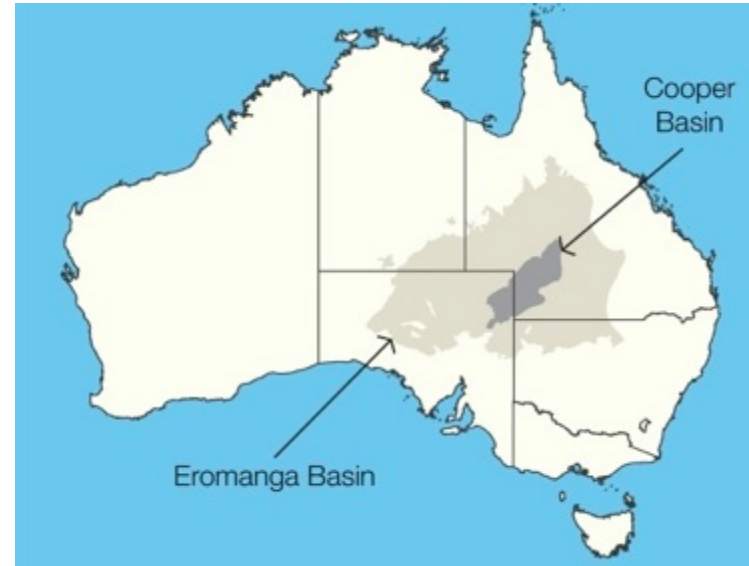
Value-adding gas transactions

Outlook



An Australian S&P/ASX 200 energy company

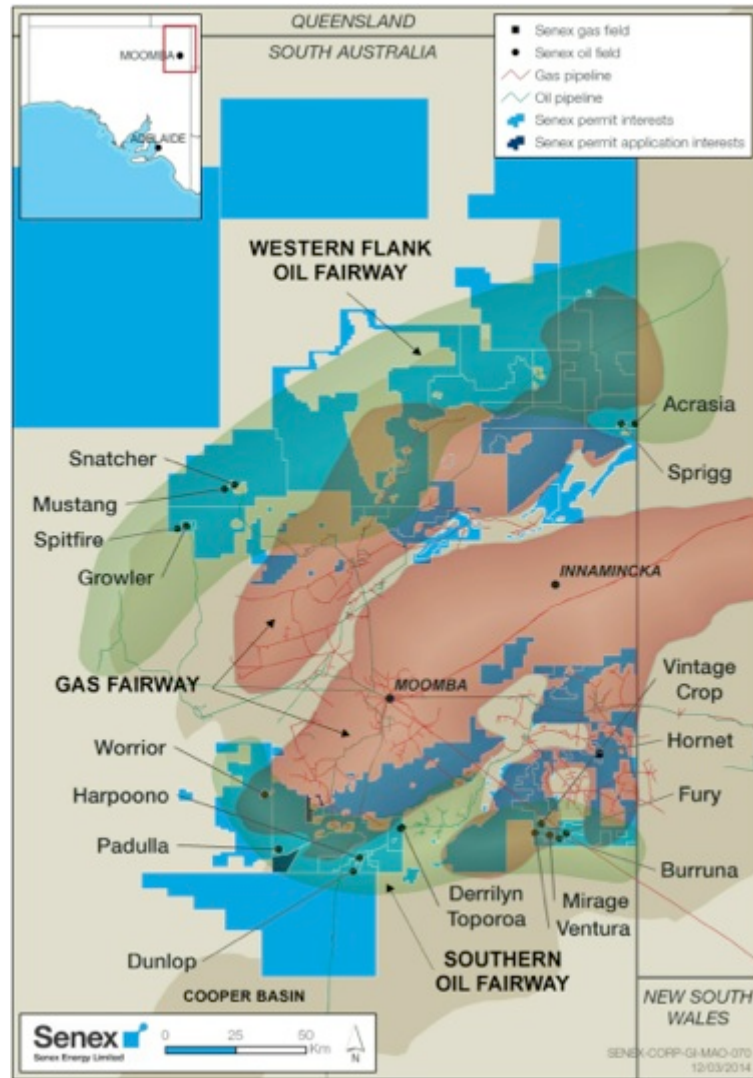
- Onshore conventional and unconventional oil and gas
- High growth, profitable, no debt and strong cash position
- Dynamic, highly credentialed technical and commercial leaders



Key metrics

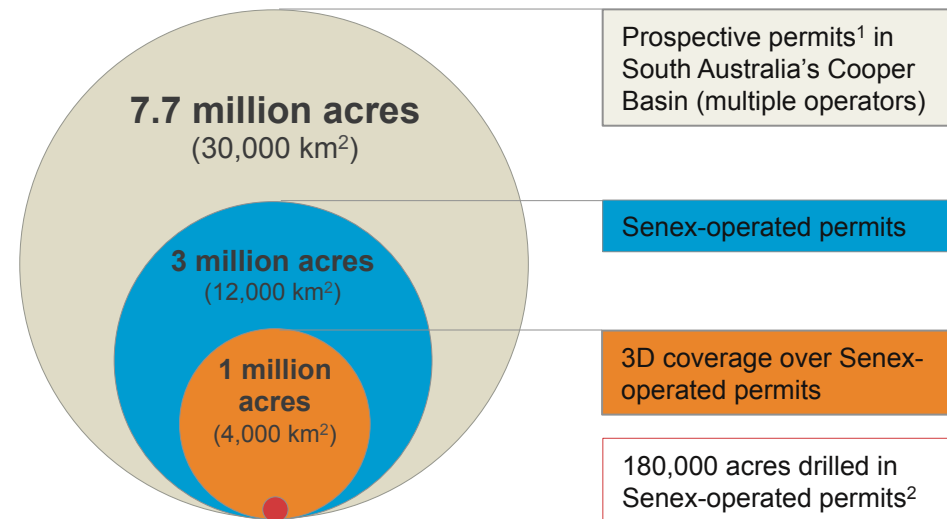
ASX Code	SXY
Shares on issue	1,145 million
Current share price	~A\$0.79
Market capitalisation	~A\$900 million
Cash position ¹	A\$102.5 million (no debt)

Senex is a major player in the Cooper Basin

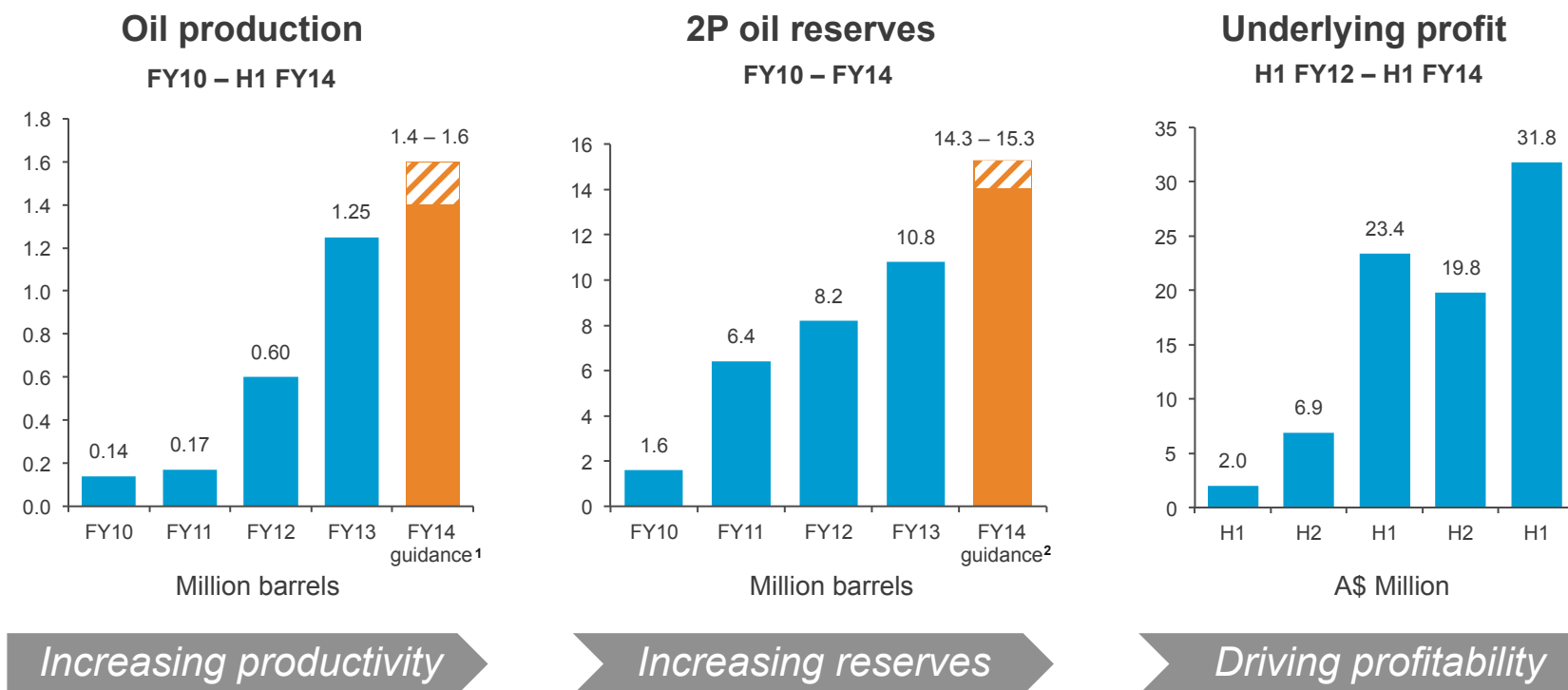


Senex operates the largest acreage position in South Australia's Cooper Basin

- Senex-operated permits cover ~40% of prospective acreage in the Basin
- Located within proven oil and gas fairways
- Hosts a variety of oil and gas play types



Reaping the rewards of balanced investment



- On track to deliver oil production and 2P reserves additions guidance for FY14³
- Operating cost of A\$29 per barrel, cash of A\$102 million, no debt⁴

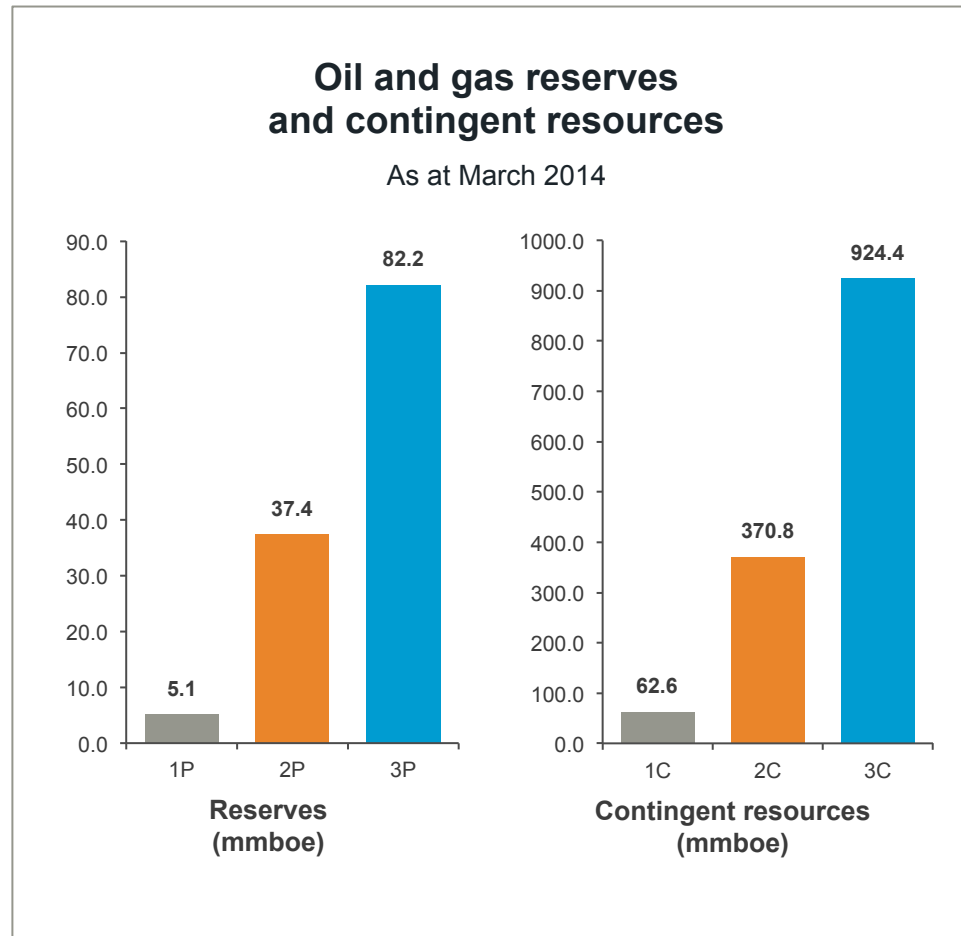
¹ Mid-point of guidance of 1.4 mmbbls to 1.6 mmbbls

² Mid-point of 4 mmbbls to 6 mmbbls guidance for 2P reserves additions less production to mid-point of guidance (1.5 mmbbls)

³ FY14 refers to the Financial year ended 30 June 2014

⁴ Operating costs excludes royalties; financial position as at 31 December 2013

A strong reserves position



- 2P oil reserves additions of between 4 million and 6 million barrels to be delivered for FY14
- Represents a 2P oil Reserves Replacement Ratio of more than 300%
- Analysis of 1 million acres (4,000 km²) of 3D seismic to deliver next generation of drilling targets

Record drilling success
90% of wells drilled in FY14 to date cased and suspended for future testing and production

Focused on delivery

Oil: Growing value through increasing production, reserves and margin

Operations

- Record production in December 2013 quarter
- Continually reducing operating costs

Exploration and appraisal

- Focused on 'low hanging fruit' ahead of drill-ready seismic
- New oil discoveries to contribute significantly to full year production
- Drilling on new 3D seismic expected within 6 months

Development

- In field appraisal and development, using enhanced production techniques to maximise oil recovery

Gas: Building a material business by partnering for success

Unconventional

- Targeting a material unconventional gas resource
- Strong partner secured in Origin Energy in February 2014
- Deal terms geared toward early commercialisation

Conventional

- Hornet gas field discovered in 2013, retained 100% by Senex
- Planning for extended flow testing ahead of commercialisation
- Gas sales agreement with SACB JV to monetise appraisal gas

Coal seam gas

- Strategically-located gas resource in LNG feedstock corridor
- Successful appraisal has delivered 2P reserves of 26.6 mmboe



Introducing Senex

A sustainable oil business

Perfectly positioned gas
resource

Value-adding gas
transactions

Outlook

Australia's premier onshore oil province

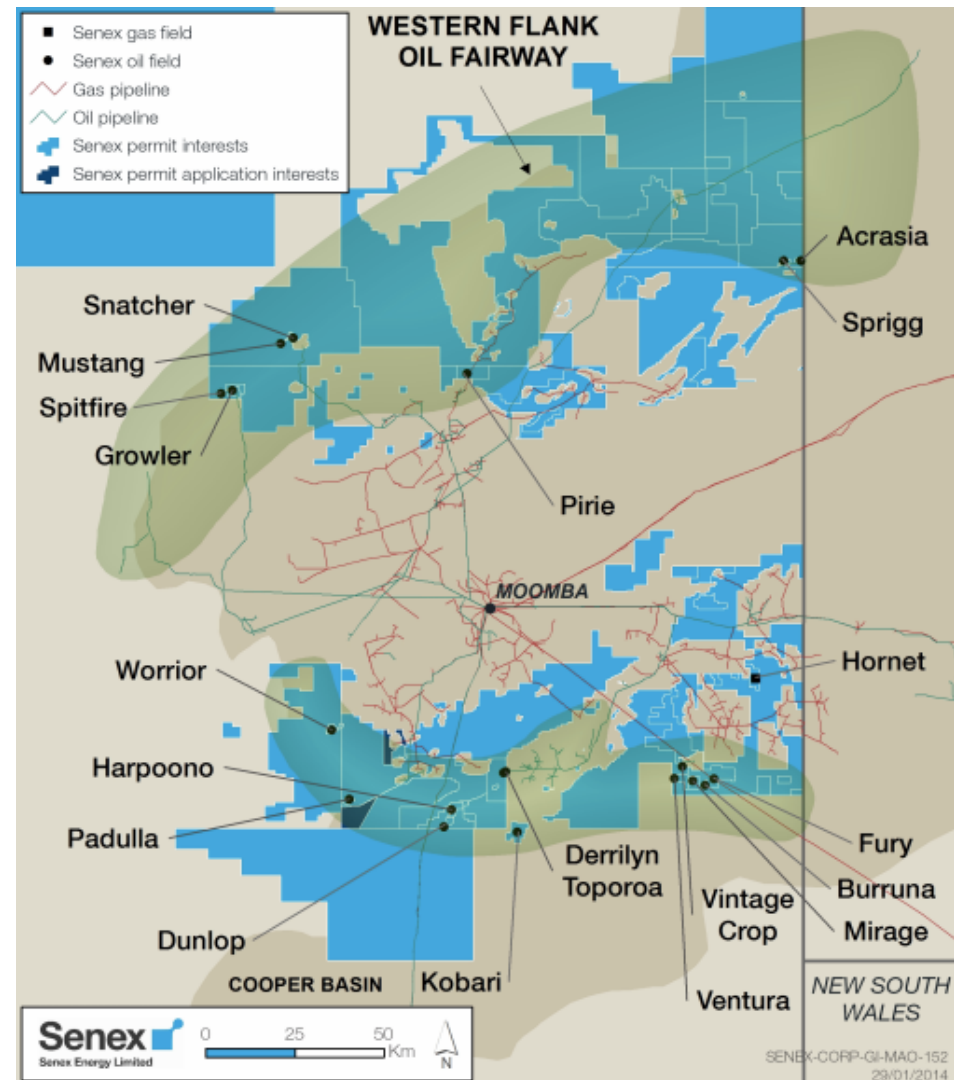
South Australian Cooper Basin is extremely underdeveloped by international standards

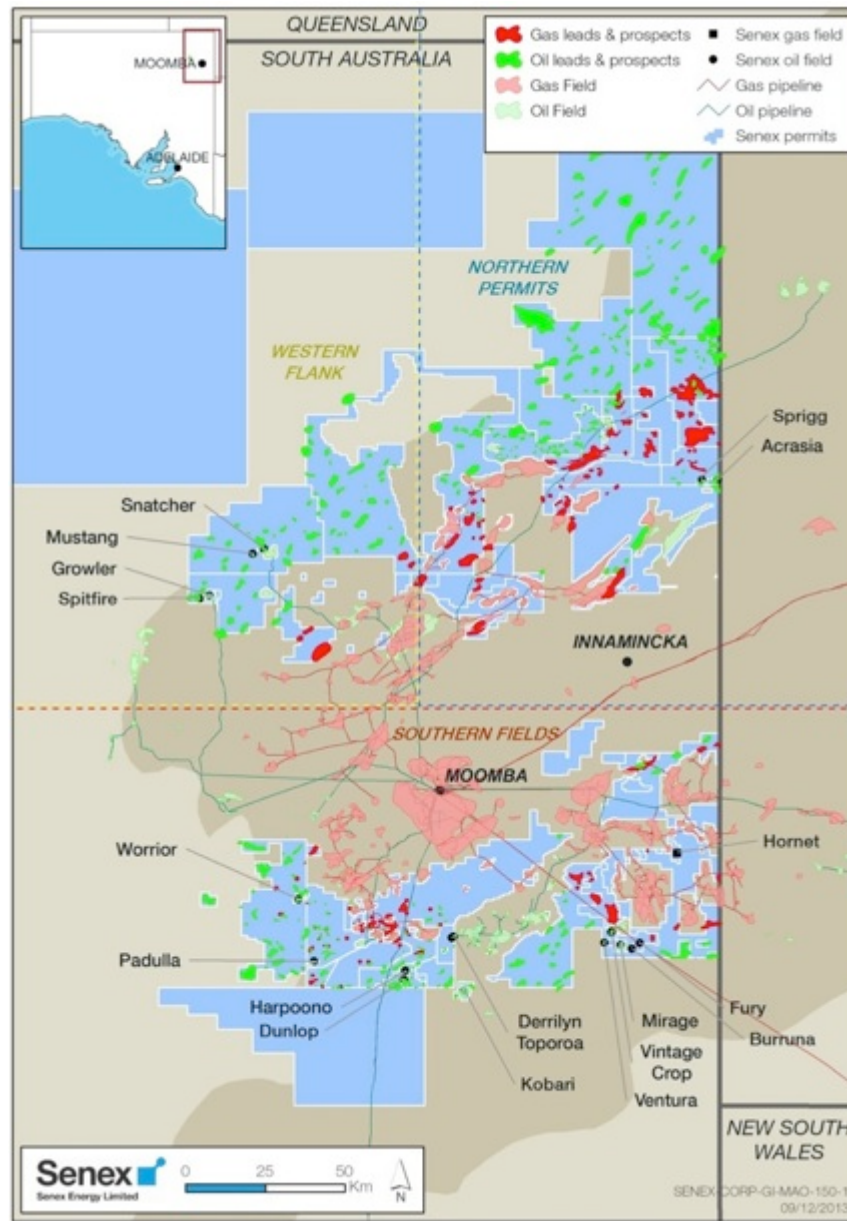
Oil generated from Permian Source Rocks ¹ :	2 trillion barrels
STOOIP Cooper Basin fields ² :	~640 million barrels
Expected ultimate recovery, Cooper Basin fields ² :	~200 million barrels
Approx. % discoveries drilled as structural traps ² :	95%
Approx. % discoveries drilled as stratigraphic traps ² :	5%
Estimated ratio structural/stratigraphic traps ² :	60:40



A diverse and growing oil portfolio

- Three main regions:
 - **Western flank:** Prolific fields including Growler, Snatcher, Mustang and Spitfire oil fields
 - **Northern permits:** High growth potential at Acrasia oil field and other new exploration targets
 - **Southern fields:** Rejuvenation of mature fields such as Worrior
- Drilling in FY14 to date has delivered 5 new accumulations





More than 450 leads and prospects generated in Senex operated permits

- Year-long program of work analysing regional mapping, 2D and 3D seismic data
- Portfolio contains multiple proven play types across western, northern and southern regions
- ~80% of leads and prospects are structural traps with the remainder stratigraphic traps
- ~80% of leads and prospects are oil with the remainder gas

Oil portfolio demonstrates significant depth

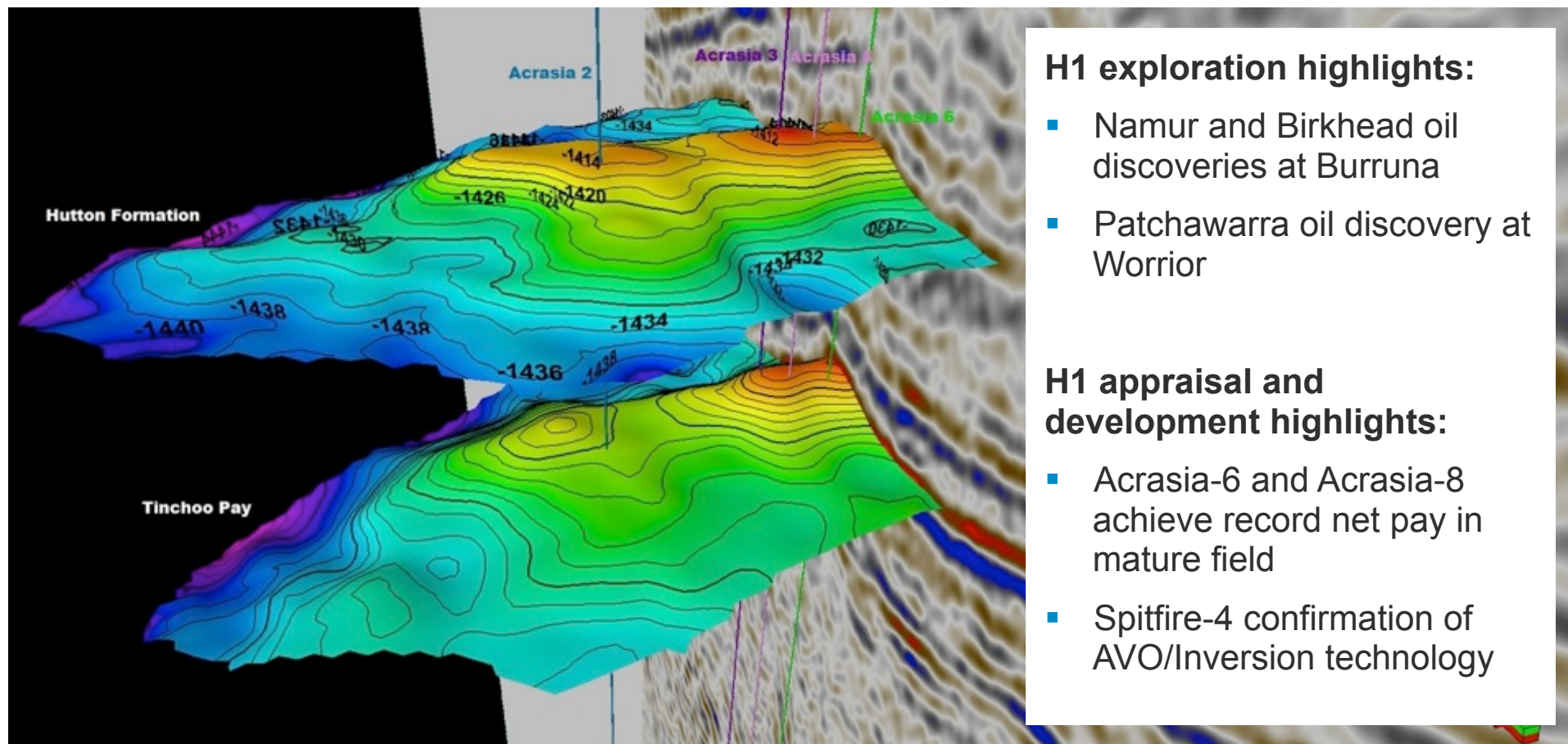
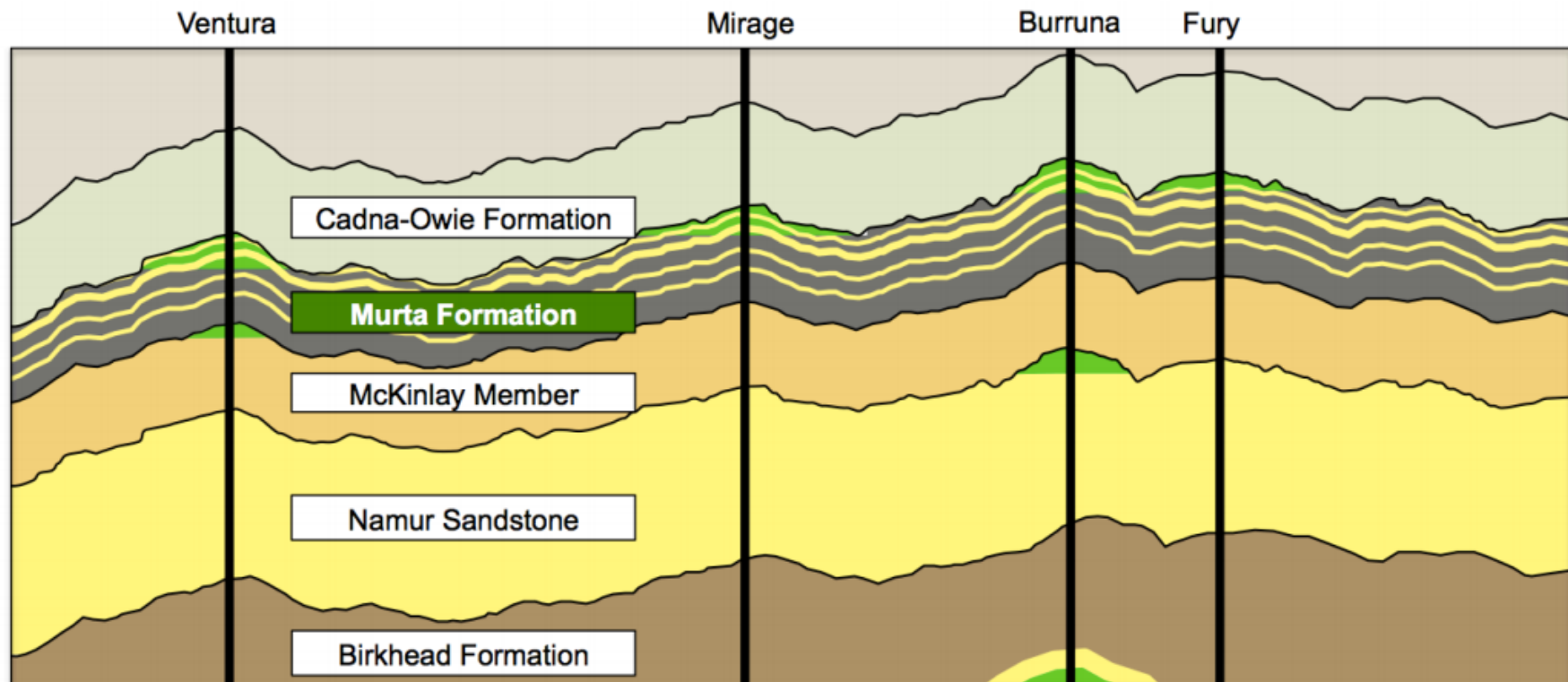


Image depicting by-passed pay zones and under-produced reservoirs at Acrasia oil field

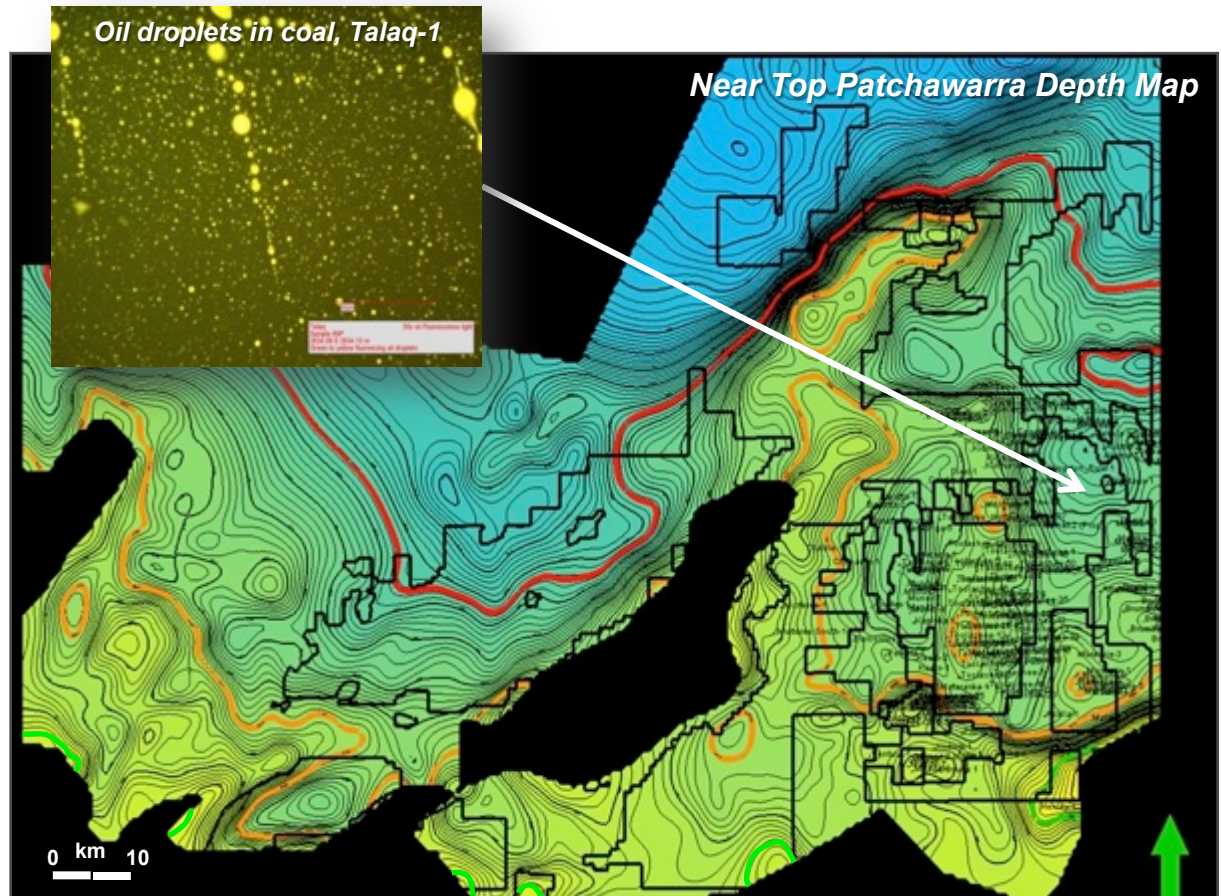
Tight oil project initiated to unlock a regionally extensive resource

- Net contingent oil resource of 10.4 million barrels 3C and 4.9 million barrels 2C across the Murta Formation in Senex-operated permits
- Low cost, high productivity completion key to reserve bookings and development



Murta Formation stratigraphy in the southern Cooper-Eromanga Basin

Tight oil upside in Patchawarra and Murta



LEGEND

— top oil maturity — top wet-gas maturity — top dry gas maturity

Patchawarra tight-oil

- Tenappera Trough, Mettika Embayment and northern Patchawarra Trough are mature for oil and gas-condensate
- Oil discovered within coal at Talaq-1
- Feasibility being investigated

Murta tight-oil

- Contingent resource booked across southern permits
- Indications along GMI Ridge



Introducing Senex

A sustainable oil business

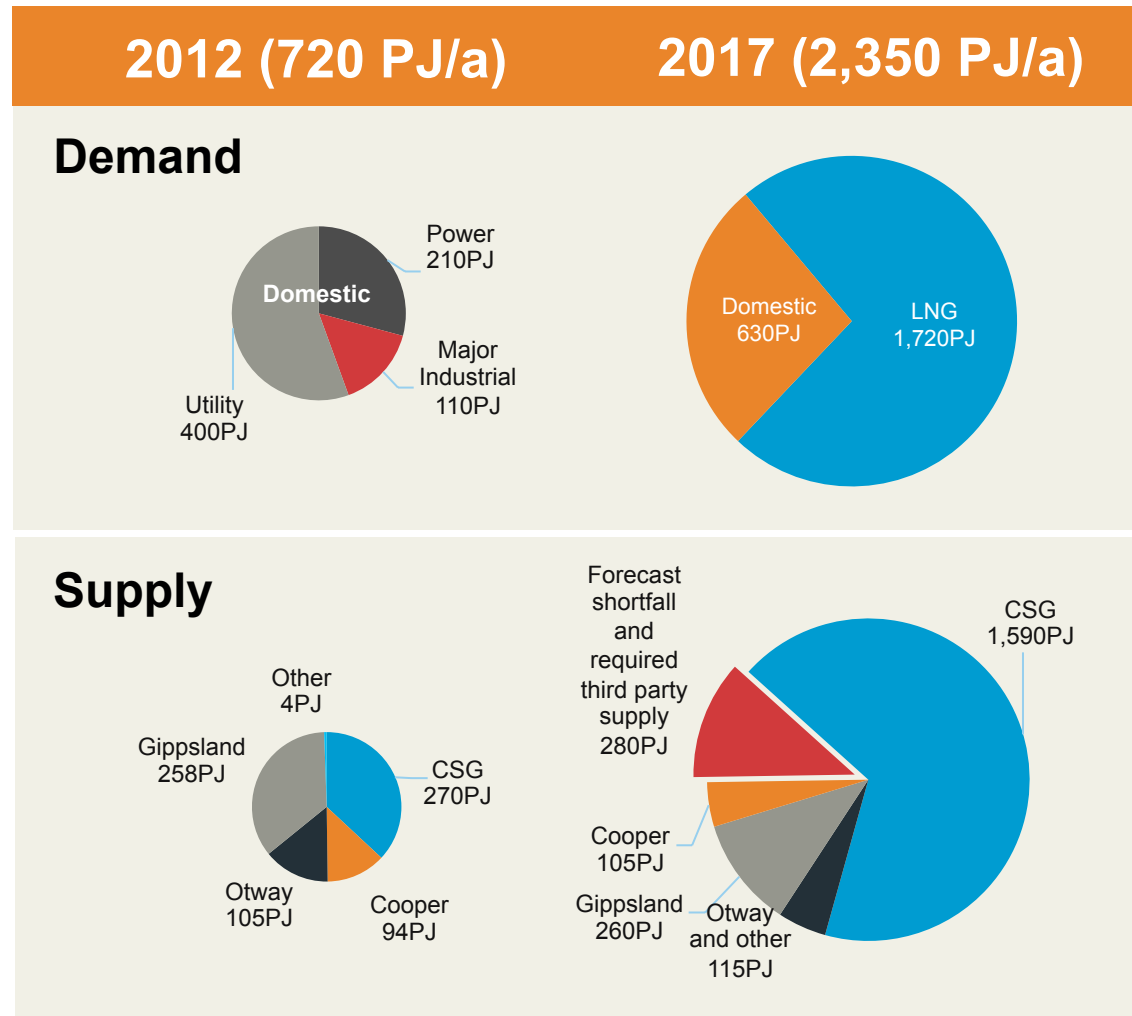
**Perfectly positioned gas
resource**

Value-adding gas
transactions

Outlook

Once-in-a-generation opportunity for new gas supply

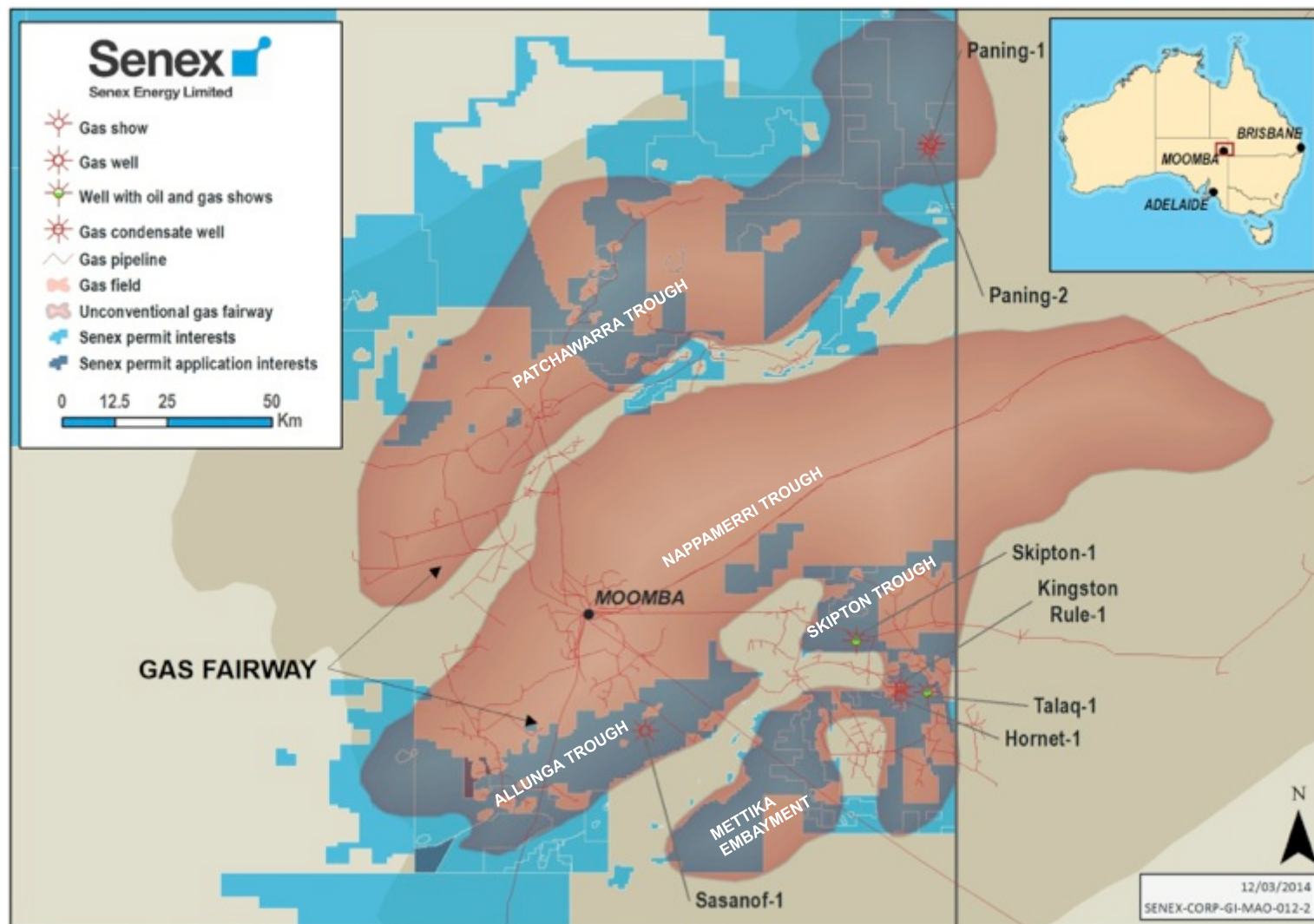
- LNG gas demand dwarfs domestic requirement
- 2017 price forecast: A\$8-11 per gigajoule
- Coal seam gas production must grow by more than five times in five years
- Cooper Basin to help meet shortfall



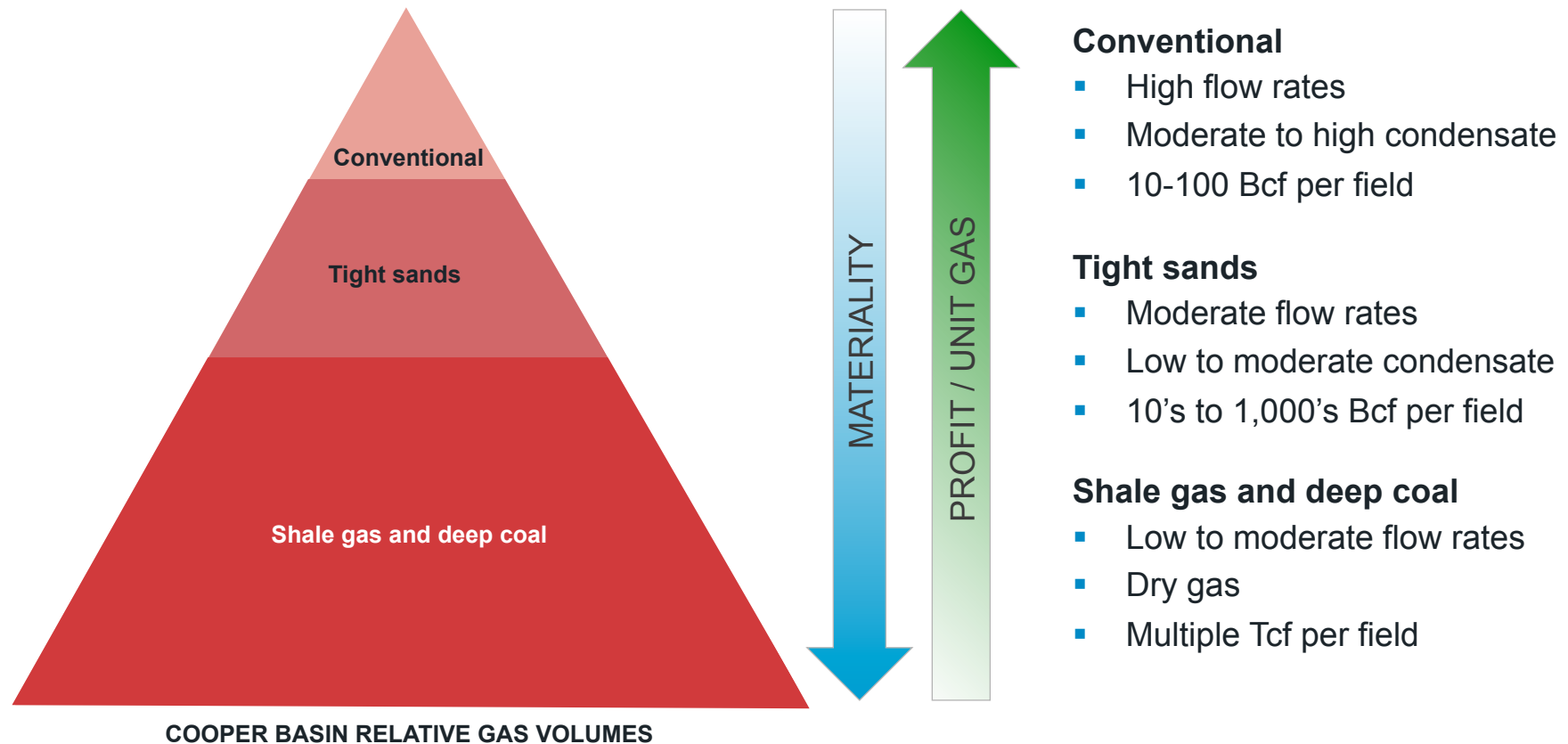
Source: EnergyQuest Note: 1 PJ = 1.05 Bcf

Cooper Basin is the solution for new gas supply

Four key gas plays: conventional, tight sands, shale-gas and deep coal



Differentiating Cooper Basin gas plays



Numerous conventional gas targets identified

PEL-182

- Vanessa gas field discovered in 2007
- Gas flows total 8.4 mmscfd, 20 bcpd (est.)
- Toolachee and Epsilon structure with stratigraphic upside
- Additional targets identified on 2D seismic. Planning to acquire 3D seismic prior to drilling

PEL-90M / PEL-102

- Toolachee and Epsilon structural and stratigraphic traps

PEL-93 / PEL-113

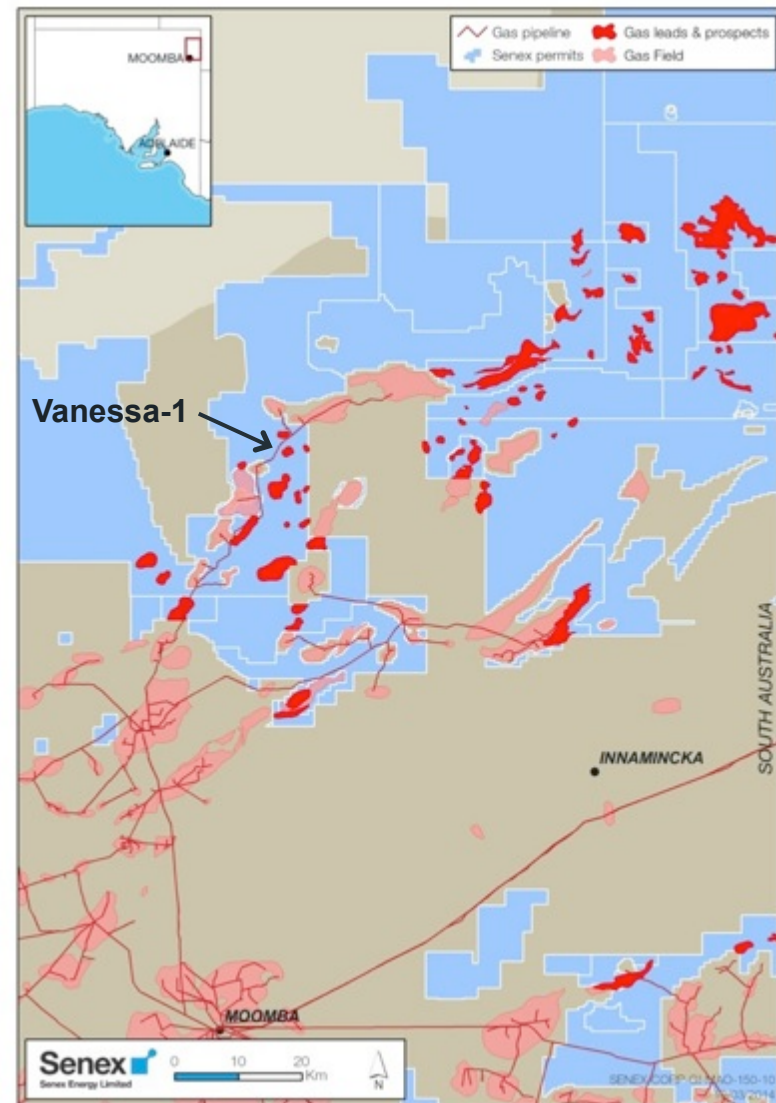
- “Warrior-style” Patchawarra flank plays

PEL-516 (south)

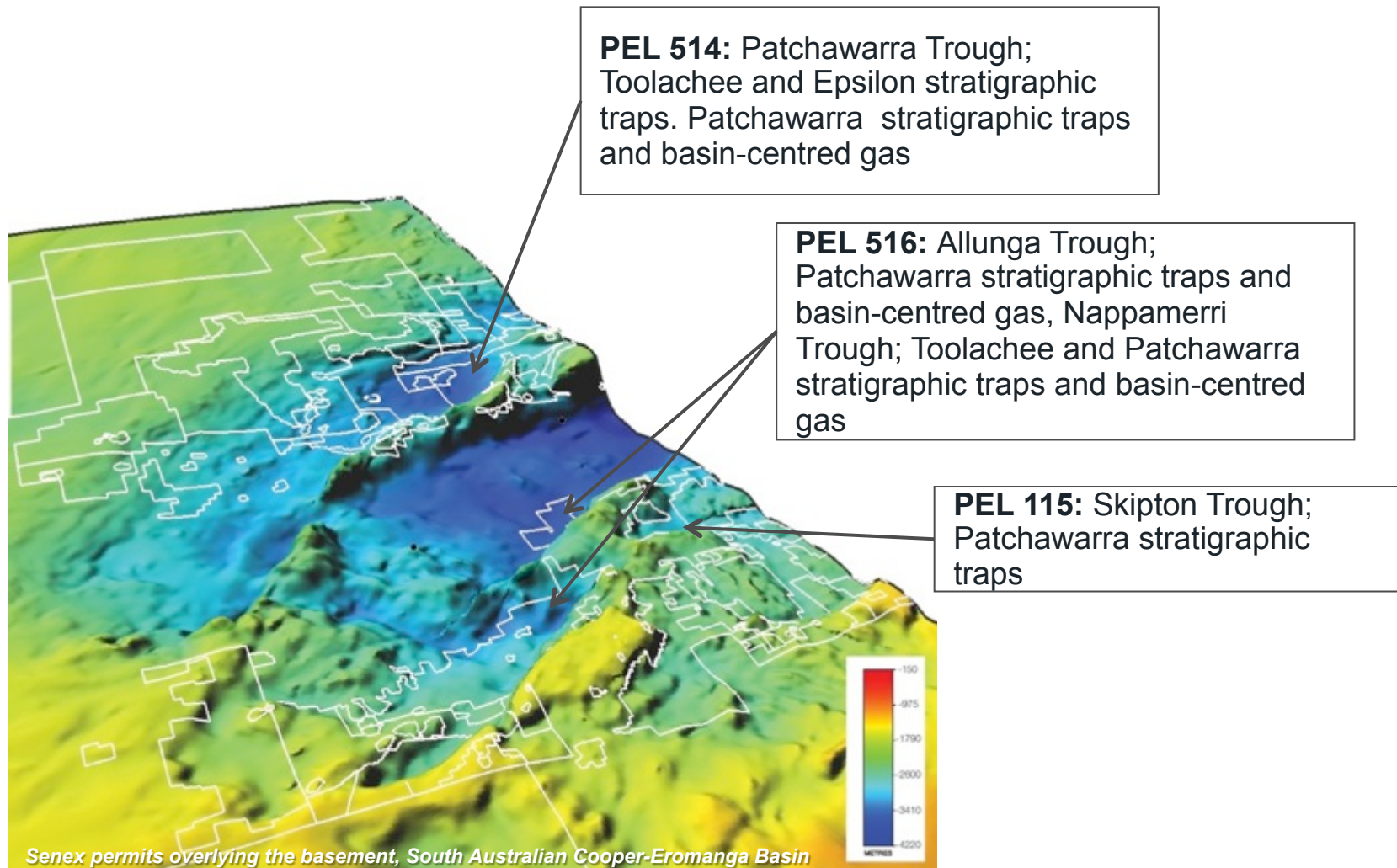
- Mettika Embayment, Toolachee 4-way dip closures
- Tenappera Trough Patchawarra 4-way dip closures

PEL-115

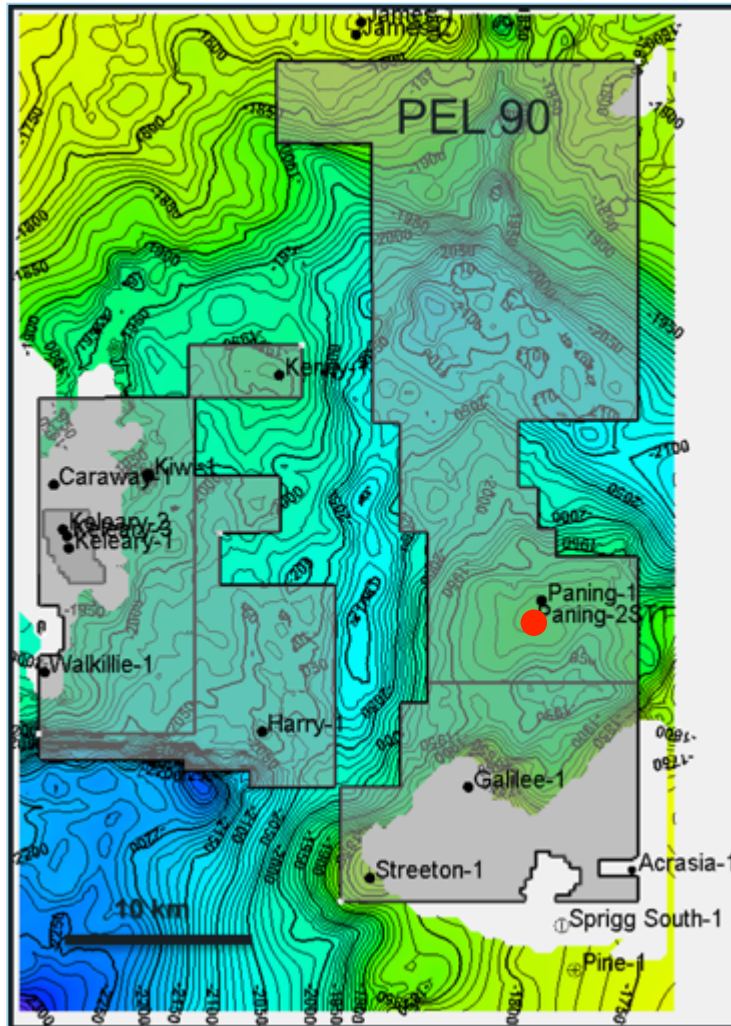
- Hornet – Kingston Rule
- Wilpinnie Patchawarra



Tight sand plays



Unconventional gas and deep coal



Top Toolachee massive coal, Paning-2

PEL 90

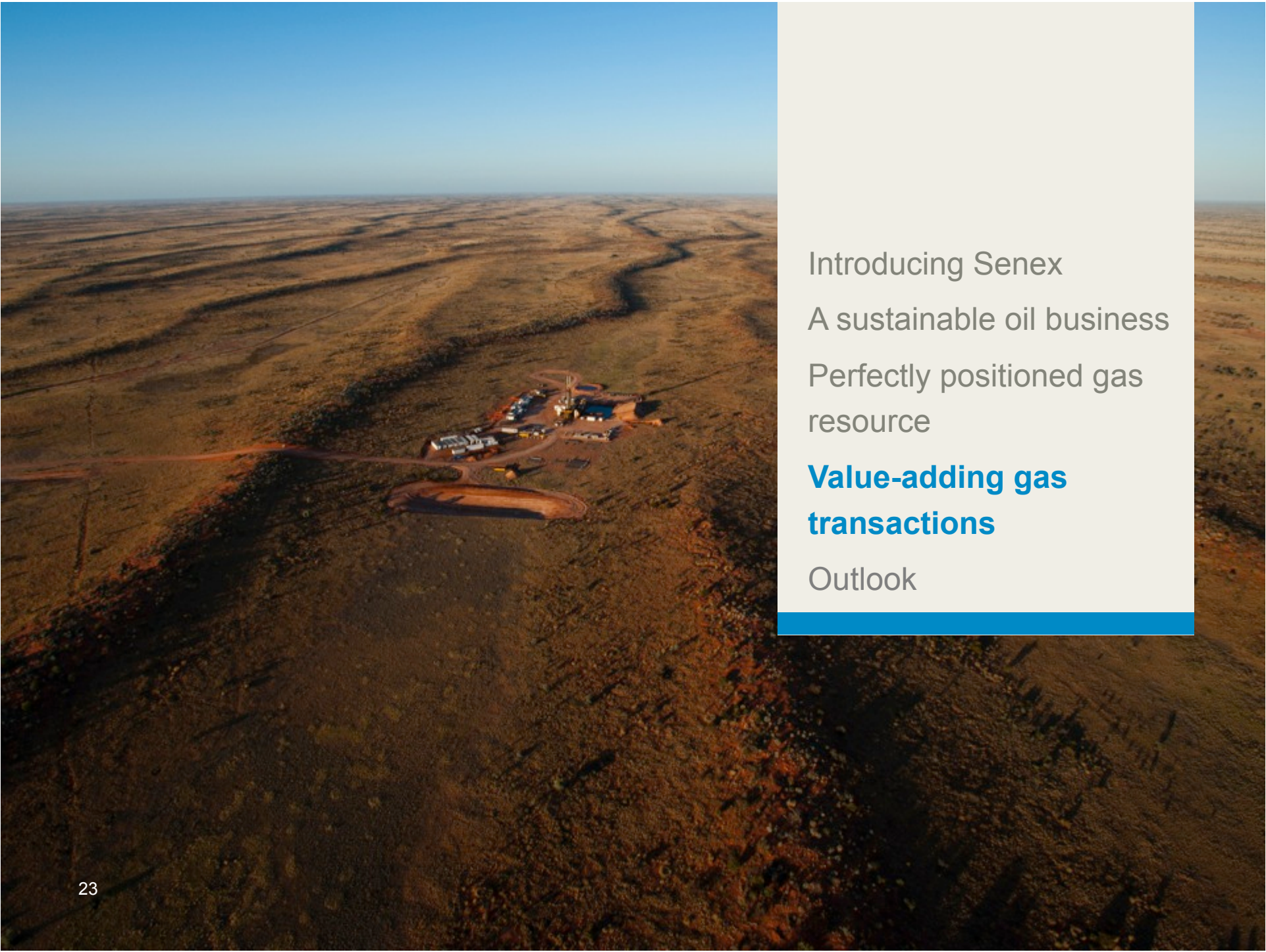
- Paning-2 flow-tested a 26 m thick coal seam at 90 mcf/d
- Core desorption indicates $>30 \text{ m}^3 / \text{ton}$ gas (dry ash-free)

PEL 514

- Over-pressured Patchawarra Formation with associated gas

PEL 516

- Gas flow from Murteree Shale and Patchawarra Formation in Sasanof-1
- Basin Centred Gas play with continuous gas column and overpressure in Nappamerri Trough

An aerial photograph of an oil and gas facility, likely a refinery or processing plant, situated in a vast, arid, brown landscape. The facility features several large storage tanks, industrial buildings, and a network of roads. The surrounding terrain is flat and extends to the horizon under a clear blue sky.

Introducing Senex

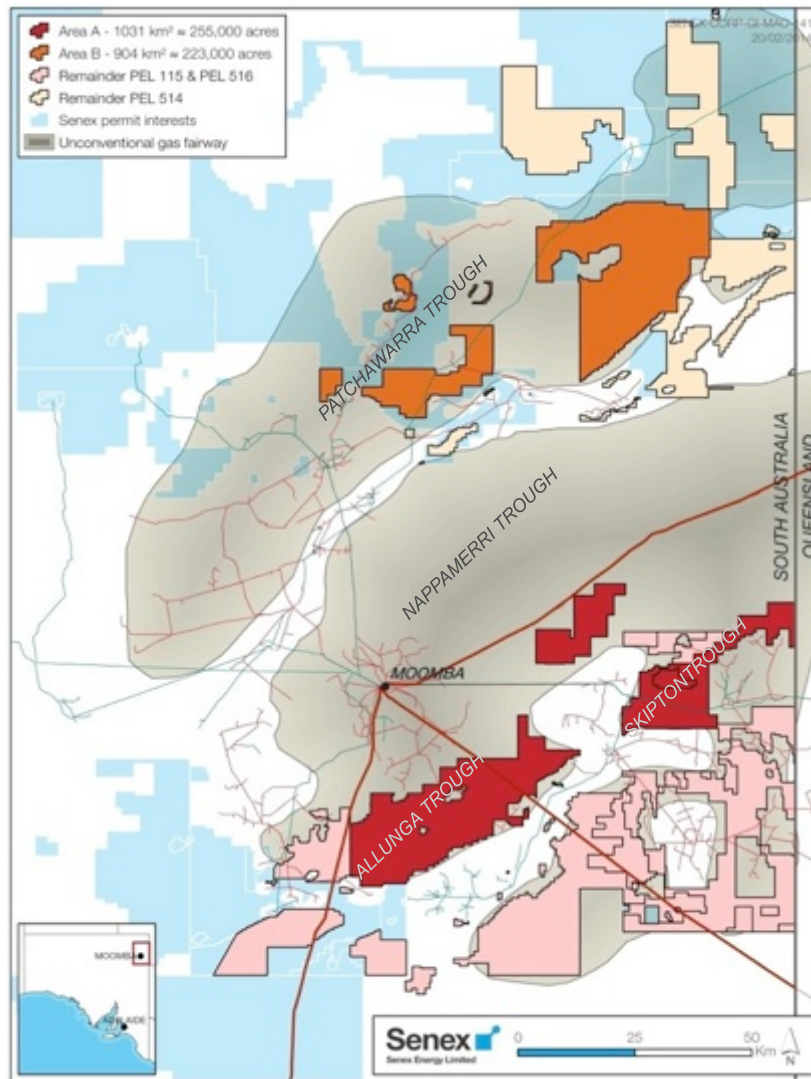
A sustainable oil business

Perfectly positioned gas resource

Value-adding gas transactions

Outlook

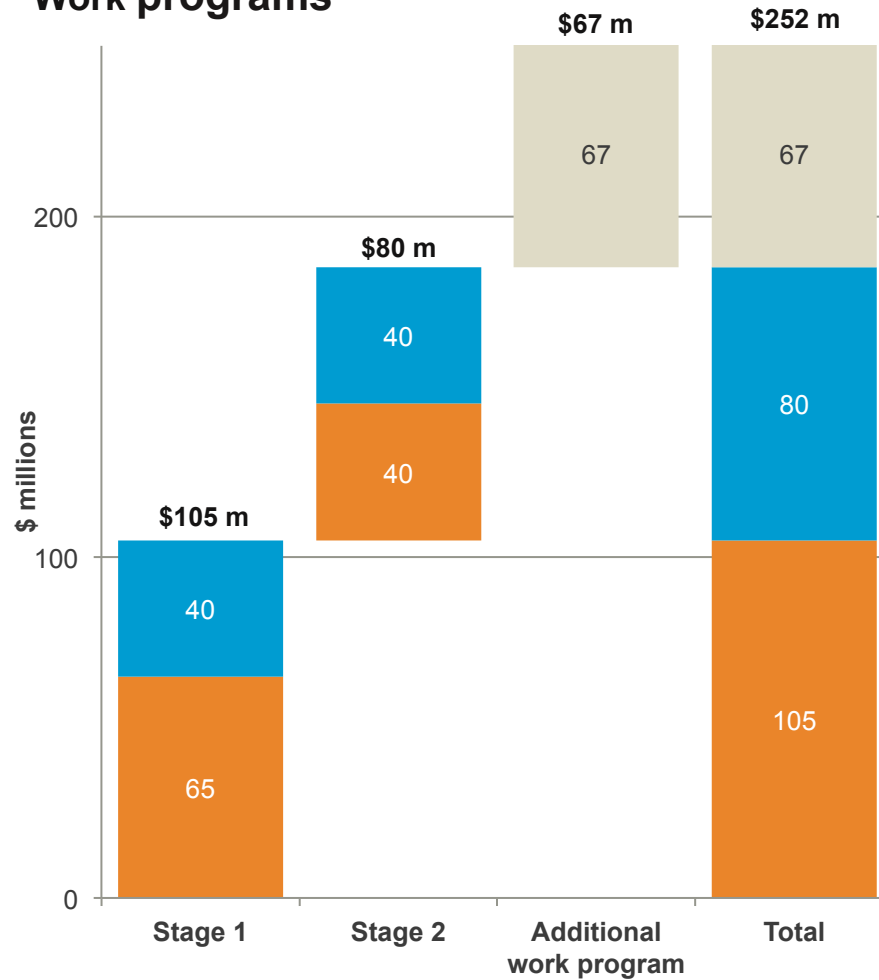
Senex and Origin Energy gas farm-out



- Two farm-out agreements:
 - **Area A:** 36% of area of PEL 516 and PEL 115 (Senex 100%)
 - **Area B:** 47% of area of PEL 514 (Deeps) (Senex 80% and operator)
- Up to \$252 million work program over 2 stages, drilling at least 15 wells and substantial seismic campaign
- Senex free-carried for its share of the first \$185 million of work program
- Senex retains operatorship during the two-stage work program
- Senex retains interests in the oil-prone Shallows of Area B
- Excludes Hornet gas field

Mechanics of the transaction

Work programs



Senex free-carried for its interest in the first two stages

- Origin to earn a maximum interest of 50% in Area A and 40% in Area B:

Area A

Stage 1: \$65 million to earn 40%

Stage 2: \$40 million to earn 10%

Area B (Deeps only)

Stage 1: \$32 million to earn 30%²

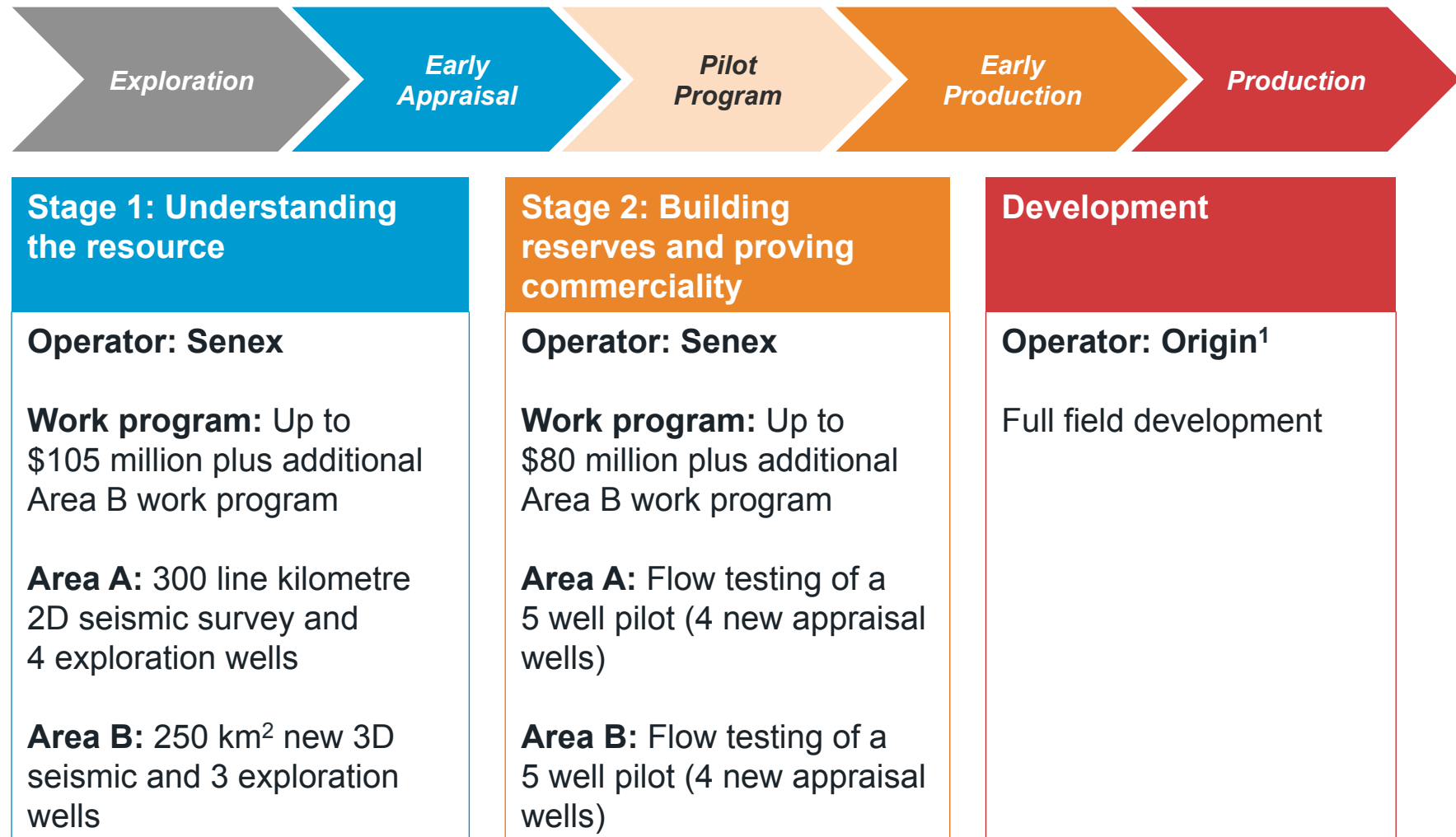
Stage 2: \$32 million to earn 10%²

- Additional Area B work program (Stage 1 and 2): Up to \$67 million³
- Total work program up to \$252 million

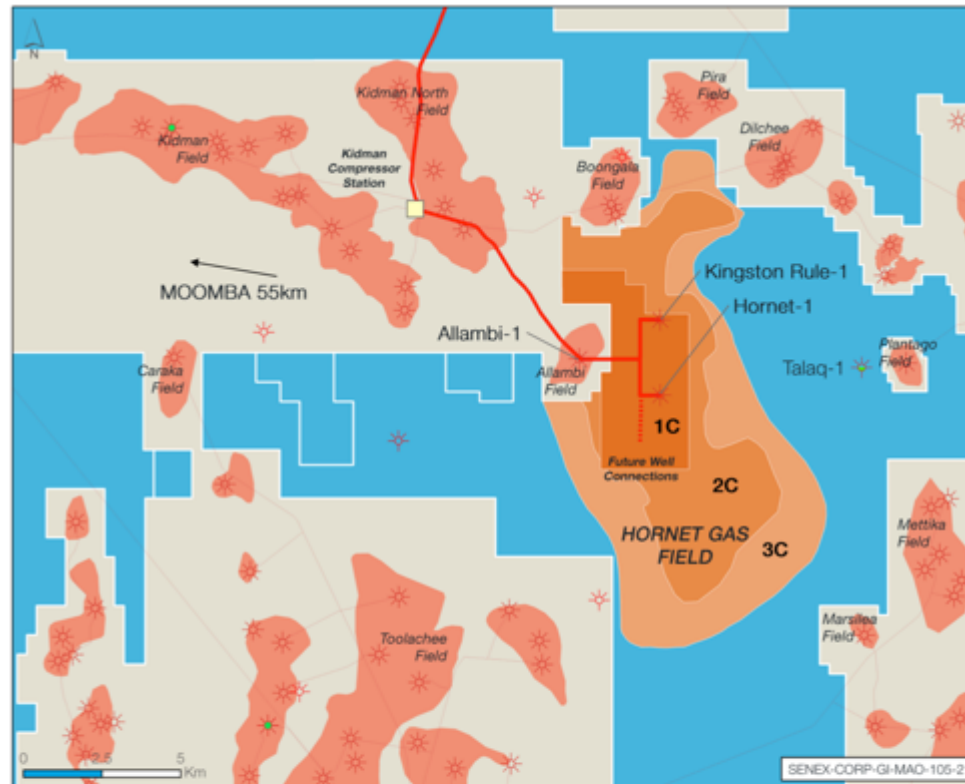
Transaction highlights

- ✓ Origin has strong east coast gas market position and extensive Cooper Basin understanding as a member of the SACB JV
- ✓ Senex retains exposure to upside through material equity position post farm-out
- ✓ Farm-in restricted to portions of PELs
- ✓ Oil potential of Area B Shallows retained in full
- ✓ Separate equity lifting and marketing rights retained, preserving maximum optionality for commercialisation
- ✓ Detailed timetable agreed for decision-making and Stage progression
- ✓ Clear mechanisms agreed for development decisions

Focused on early commercialisation



Hornet Gas Sales Agreement with SACB JV



- Gas pipeline
- Gas field
- Contingent 1C Resource Area
- Contingent 2C Resource Area
- Contingent 3C Resource Area
- Other Senex permit interests

Note: Flow lines between Hornet gas field appraisal wells and the Allambi connection point are indicative only and are yet to be constructed.

- GSA reached with SACB JV for the off-take of raw gas over a two-year period, commencing early in FY15
- Raw gas will comprise natural gas, condensate and LPG
- Under the agreement Senex may supply a Maximum Daily Quantity of raw gas of 10 mmscfd
- Pricing for condensate and LPG will be linked to international product pricing, less specific transport and processing charges



Introducing Senex
A sustainable oil business
Perfectly positioned gas
resource
Value-adding gas
transactions

Outlook

Delivering the strategy in FY14

Continuous growth in our oil and gas business

Underlying financial strength

- ✓ Zero debt and fully funded: \$102.5 million in cash as at 31 December 2013
- ✓ On track to deliver capital expenditure guidance of \$120 million to \$140 million for FY14

Production and reserves growth on track for FY14

- ✓ Oil production of 1.4 million to 1.6 million barrels
- ✓ 2P reserves growth of 4 million to 6 million barrels
- ✓ Continued reduction in operating costs

Major milestones achieved in our Cooper Basin gas business

- ✓ Senex and Origin Energy agree gas farm-out involving up to \$252 million work program
- ✓ Senex and SACB JV agree Hornet GSA

Strategic growth objectives

Focused on growing shareholder value

Accelerated growth

- Leverage our unrivalled acreage position in the South Australian Cooper Basin
- Deliver multi-million barrel oil production
- Infield and greenfield development

Value accretion

- Multiple conventional gas fields
- Develop unconventional oil resources

Step change

- Final investment decision and development of a material unconventional gas resource

Running room

- Strategic asset growth that complements current portfolio and core skills in onshore hydrocarbon exploration and production



Senex Energy Limited

Registered Office

Level 14, 144 Edward Street
GPO Box 2233
Brisbane Queensland 4000 Australia

Telephone

+61 7 3837 9900

Email

info@senexenergy.com.au

