The Cooper Basin is one of Santos’ five core, long life gas assets.

The Cooper Basin is Santos’ original asset and still has a significant role in the company’s future.

### Conventional assets

**Delivering Australia’s lowest cost onshore operations**

- **Cooper Basin**
- **GLNG**
- **PNG**
- **Northern Australia**
- **WA Gas**

### Production
- 14-15 mmboe/yr (~25% of STO production)

### 2P Reserves
- ~150 mmboe

### Products
- Sales gas, ethane, LPG, condensate, crude

### Customers
- Domestic gas & ethane, LNG and oil for export

### Offices
- Adelaide (HQ)
Cooper Basin Continues to Deliver After 50 Years of Development

Appraisal drilling in the Namur Field proved a significant gas resource in previously un-proven Patchawarra sands


+ Re-mapping of 3D seismic and review of historic DST’s combined with new thinking/technology high-graded the field potential

+ Namur 4 Appraisal well drilled & stimulated in the Patchawarra, proving deliverability of >10 MMscf/d @ ~500psi drawdown

+ Additional hydrocarbon reservoirs have been identified within the field; Mackunda Oil, Coorikiana Gas & Murta Gas

+ Appraisal of the Coorikiana has commenced and commercial flow rates have been achieved.
The Cooper Basin has historically shown that application of new technology allows new plays and reservoirs to be accessed. For example, the application of fracturing in the early 1980’s unlocked production from the Patchawarra reservoir.
Step change through horizontals

Developing greater volumes at lower unit cost: leveraging learnings from overseas to access tight or compartmentalised reservoirs

- Material success with horizontals in Jurassic oil reservoirs
- Big prize in Permian oil and gas formations
- Upcoming pilots in Tirrawarra and Balcaminga fields
Resurgent exploration effort …

…Targeting wildcats within underexplored play segments to arrest basin creaming

+ Complexity of fluvial systems = complex basin creaming curve = exploration opportunities in ‘mature’ phase
+ Emerging high impact gas wildcat prospect inventory targeting material play segments
+ Leverage deep basin knowledge and drill-complete-connect cost out
Exploration: have we really creamed the basin?

Using 3D and advanced seismic to find new stratigraphic accumulations
The Deep Coal Play refers to gas & gas liquids retained in coals >2,500m. Unlike shallow CBM coals, deep Cooper Basin coals contain no mobile water. Fracture stimulation of the coals is required to produce free gas stored in matrix and fracture porosity. Two sub-plays are developed: (1) liquid rich and (2) dry gas. Success would redefine the Cooper Basin.
Thank You / Questions?