MOG

MOSMAN OIL AND GAS

LIMITED

AIM: MSMN

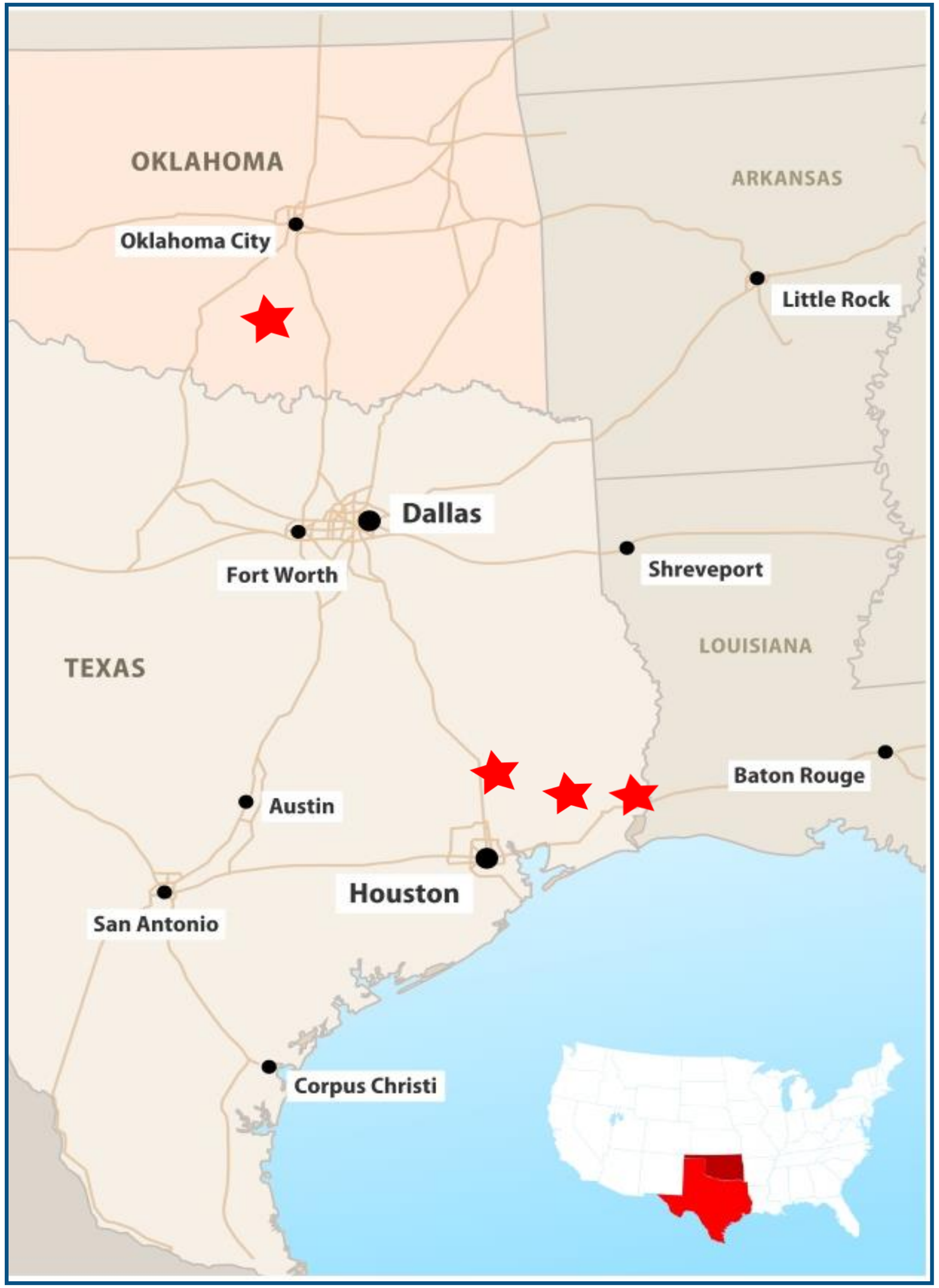
Corporate Presentation

The Way Forward

July 2022

Conventional Oil and Gas Production and Development in USA

Exploration in Central Australia



Mosman's strategic objective remains to identify opportunities which will provide operating cash flow and have development upside, in conjunction with exploration of exploration permits.

Mosman has a two-pronged approach

USA

Production
&
Development

Australia

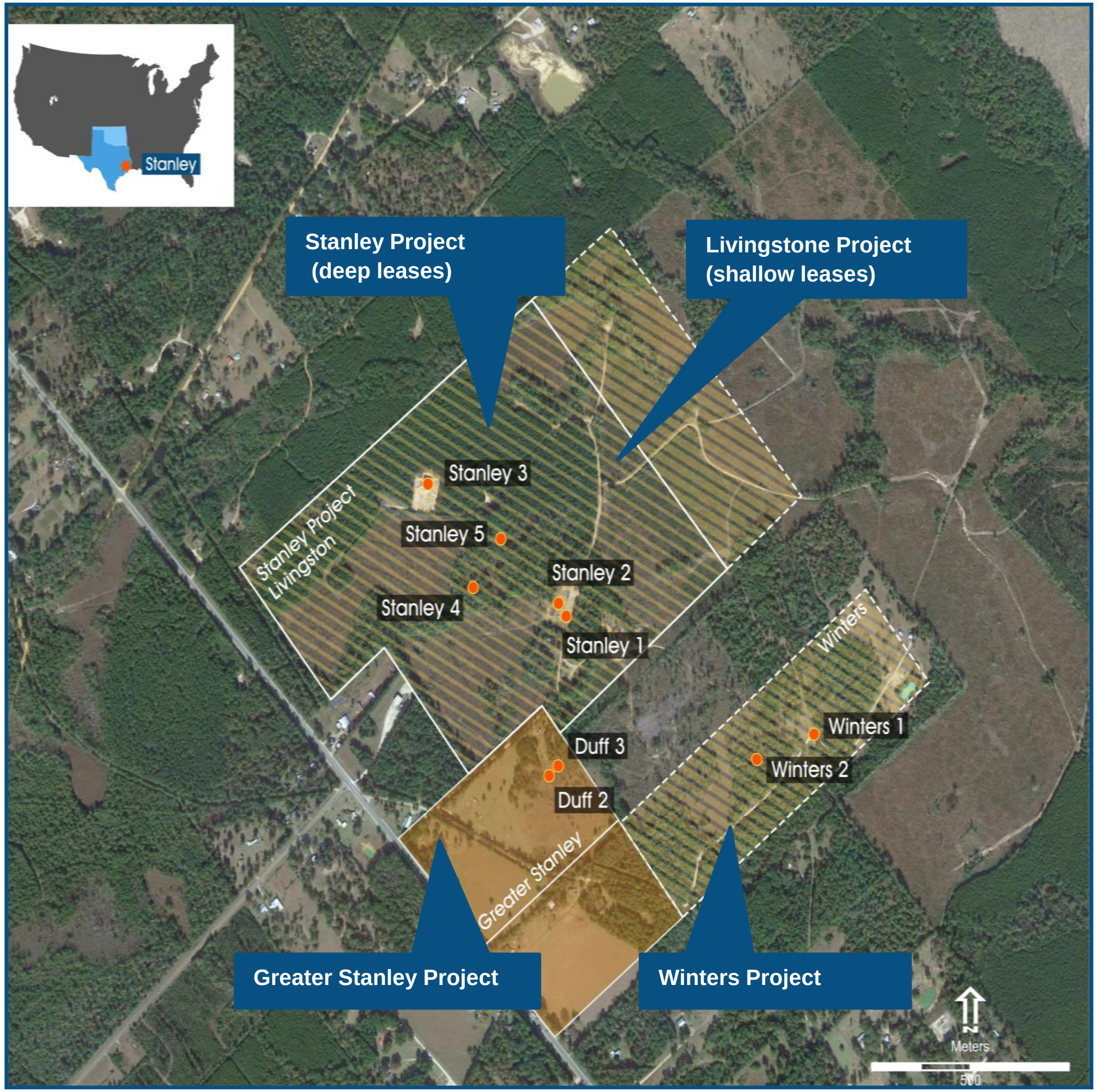
Exploration for Helium Hydrogen Oil and Gas

USA

Project Summary

PRODUCING		
Project	Location	Approx. Working Interest
Falcon	Texas	75%
Stanley (various wells)	Texas	34.85% to 38.5%
Livingston	Texas	20%
Winters	Texas	29% Winters-1 23% Winters-2
Greater Stanley	Texas	40%
Arkoma stacked Pay	Oklahoma	27% (held for sale)

UNDEVELOPED		
Project	Location	Approx. Working Interest
Galaxie	Texas	85%
Cinnabar	Texas	97% (85% after JV)

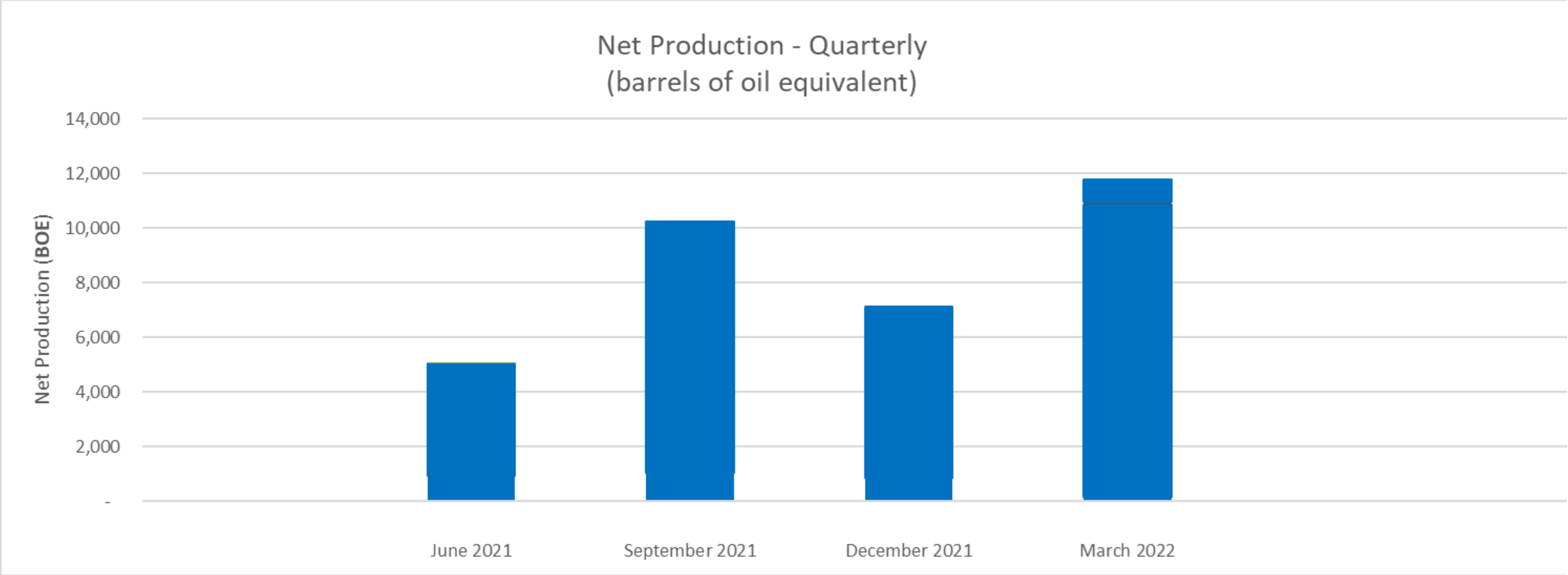


The Way Forward

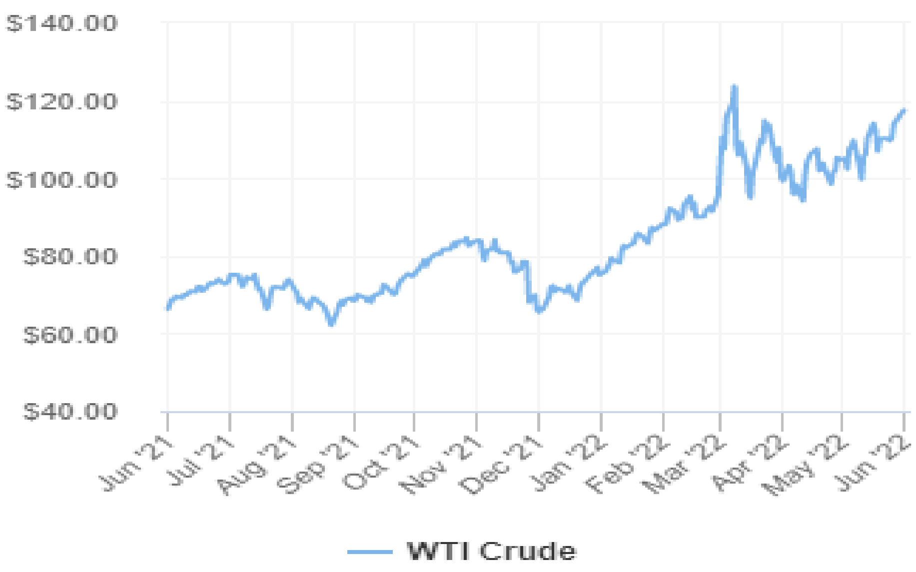
- First well to be drilled at Cinnabar is approved and will spud in August/September.
- If the targeted production rate at Cinnabar is achieved, Net Production could increase by 130 boepd.
- Financial strength currently operating above cashflow breakeven (not including major capital costs).
- Funding in place for Cinnabar drill.

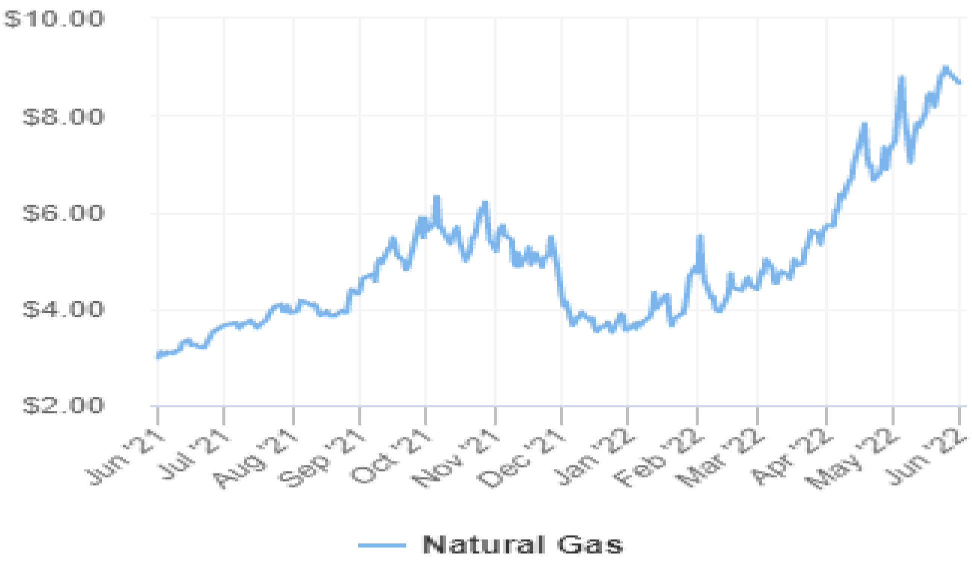
USA

Production



Note: *Mosman's net production is net working interest before royalties.*





USA

Cinnabar

Background

- Lease with two historic production wells.
- Reviewed and updated geological mapping optimised location of the new development well.
- Existing infrastructure allows well to be put on production.
- Multi-well potential.

Reserves

A Reserve Report (2017) indicated Reserves (100% working interest, net of royalties) as follows ("MBOE"):

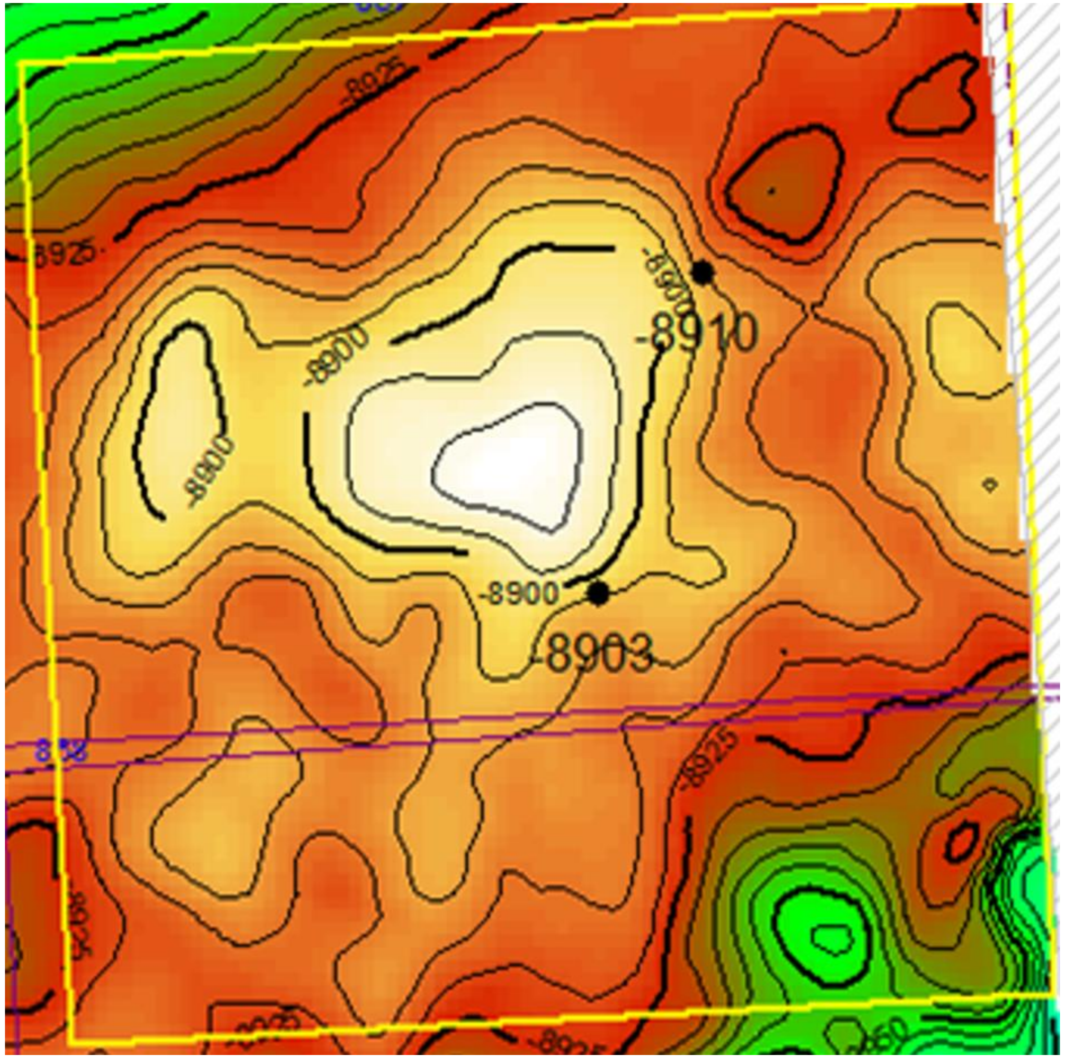
Proved Developed Producing	Proved Developed Behind Pipe	Proved Undeveloped	TOTAL Proved	TOTAL Probable	TOTAL Proved Plus Probable
2	49	614	665	184	849

USA

Cinnabar

Development

- Potential for multiple development wells in the existing 348-acre Cinnabar lease.
- Standard Wilcox spacing is 40 acres per well.
- Economics to drill are compelling with the current oil and gas price.
- Approvals now received.
- Funding in place.
- Drill planned for August/September 2022.



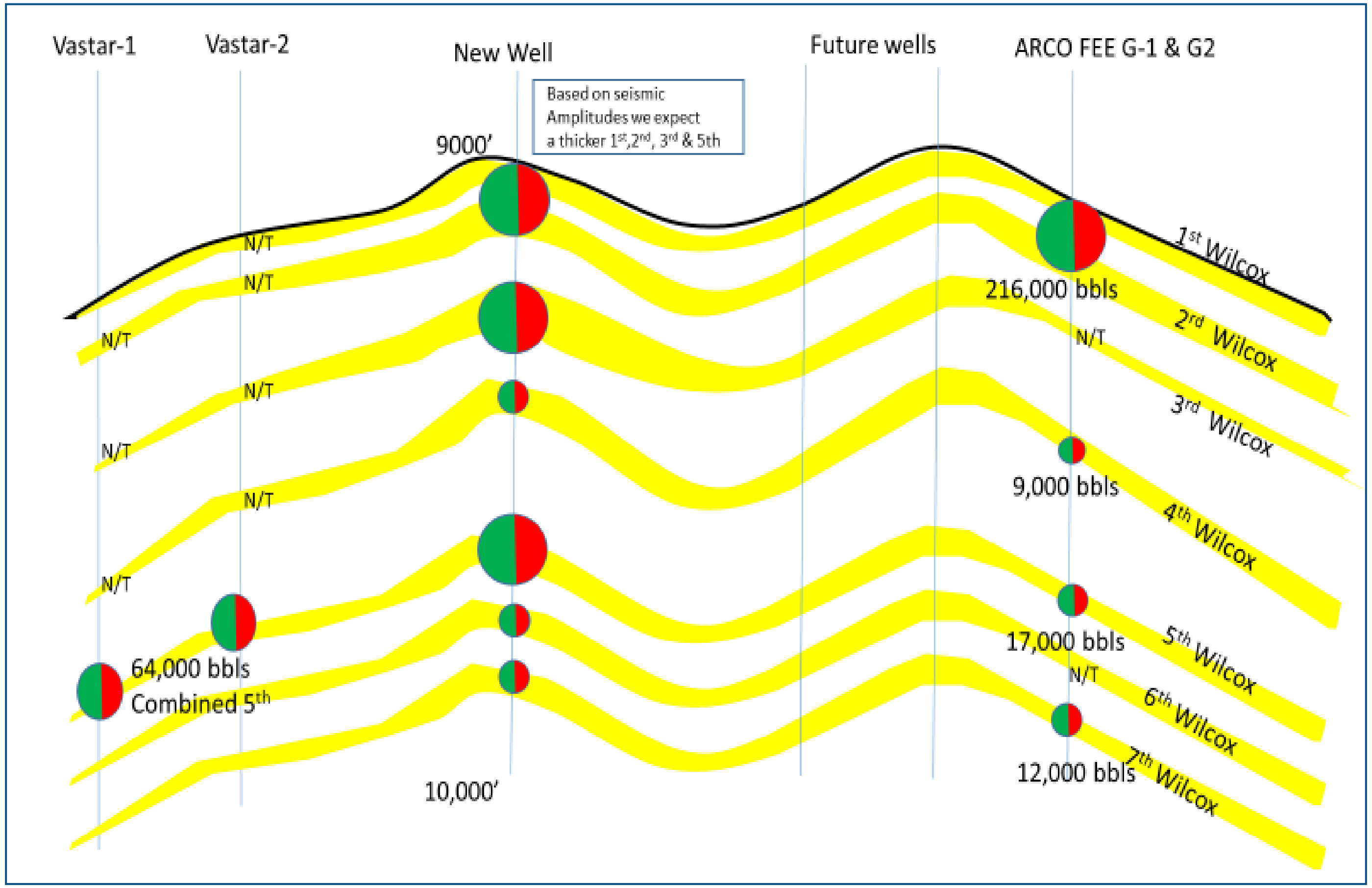
USA

Cinnabar

New Well

- Well planned and funded.
- Targeted production is 130 boepd.
- If successful will lead to multiple wells.
- Optimal well location identified with multiple Willcox sand target zones.

Cinnabar Cross Section



Australian Exploration Projects

EP145
100%

EPA155
100%
(subject to farm-in dilution up to 90%)

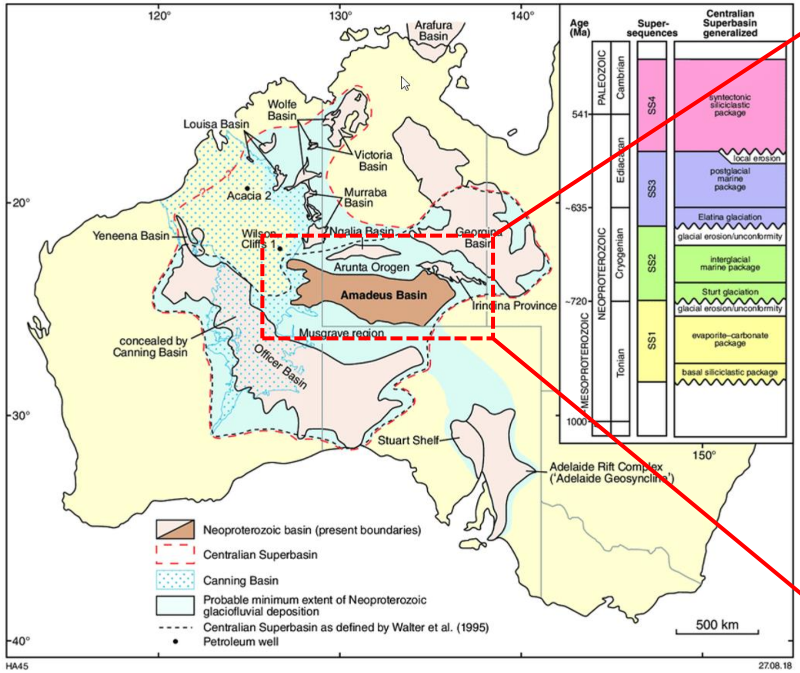
- Mosman’s permits contain hydrocarbon discoveries and sit within recognized play fairways for helium & hydrogen.
- Helium and hydrogen are proven in the basin through exploration drilling with some of the highest concentrations of helium globally and confirmed presence of hydrogen accumulations.
- Critical gas infrastructure already in place represents a **near term commercialisation** pathway.

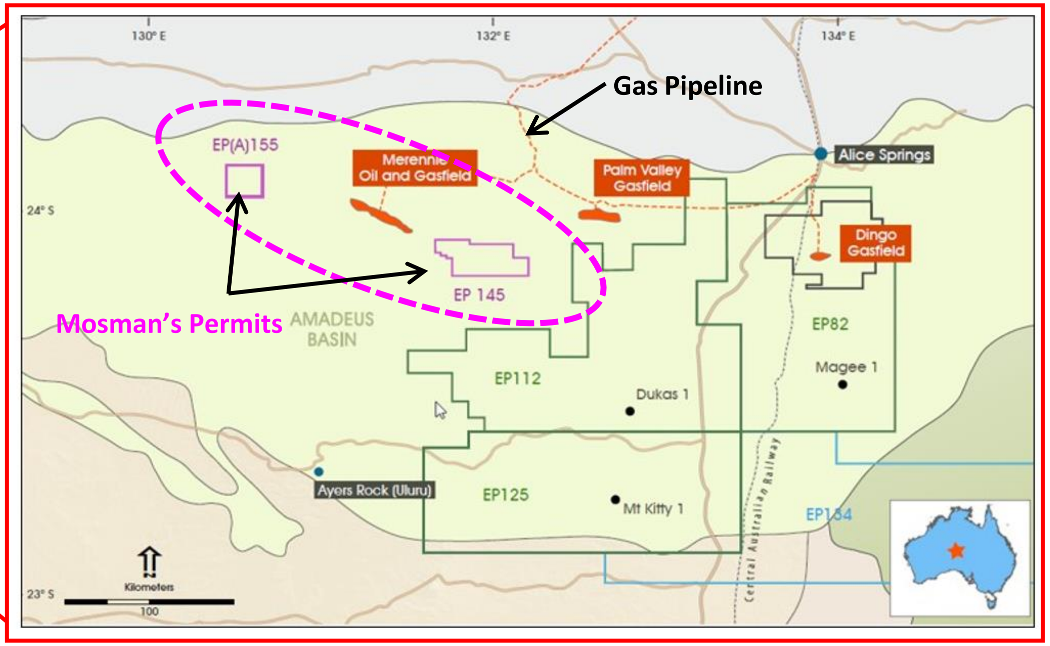
EPA155

- Located between producing Mereenie and Surprise Oil and Gas fields.
- Two wells, drilled at suboptimal locations tested gas. Stacked pay opportunities. identified, including helium and hydrogen potential.

EP145

- On trend with Mereenie & Palm Valley producing fields.
- Proven petroleum resources in the Pacoota Sandstone, and significant unrisked prospective conventional and unconventional resources identified by independent expert (SRK).
- Helium & hydrogen opportunities identified.

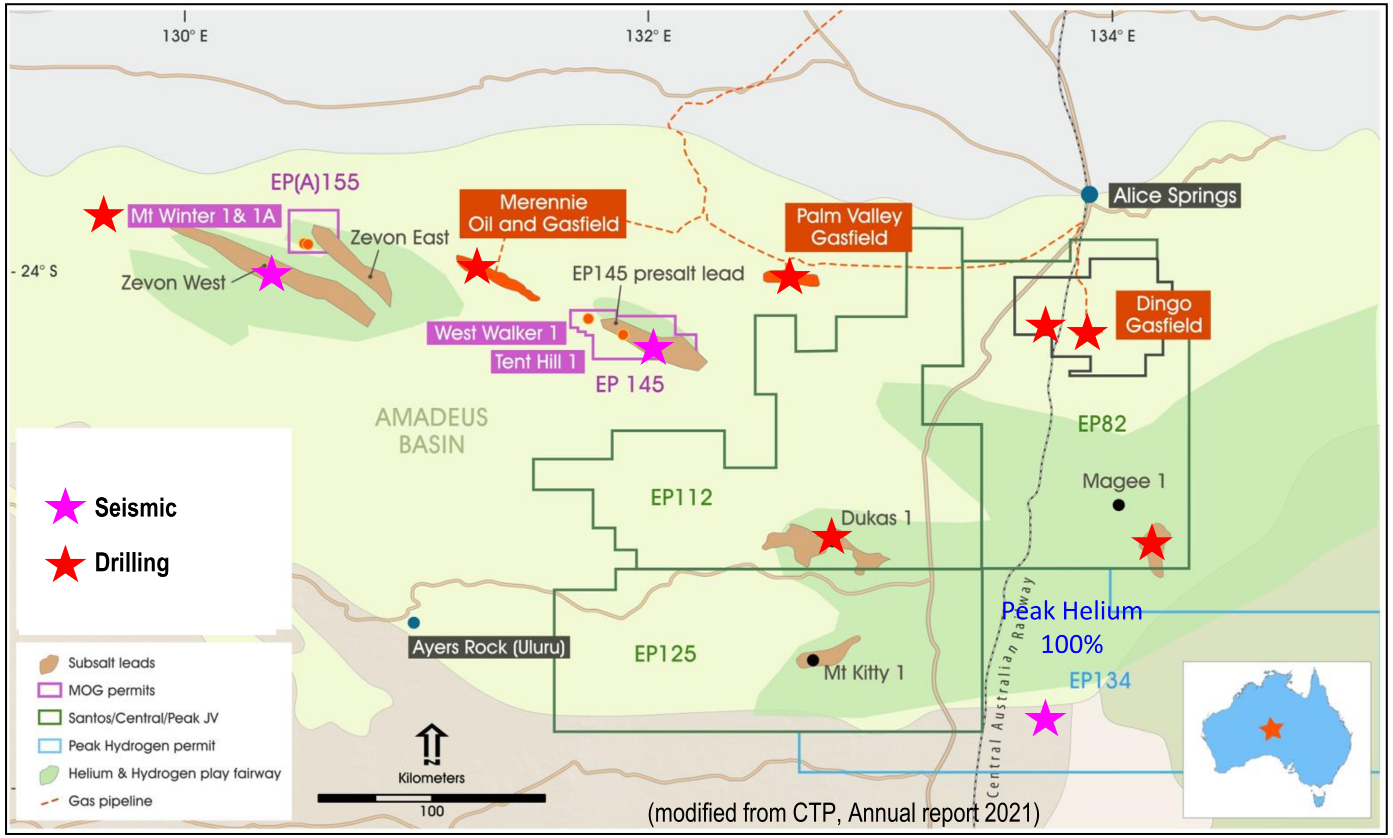




Exploration activity in the Amadeus basin has increased significantly in the last 5 years with the opening of the Northern Gas Pipeline making major projects commercially attractive.

Amadeus Basin

Recent & Future Drilling Activity & Investment Activity



Drilling Activity

- Development of Stairway sandstones at Mereenie, 2021.
- Low cost appraisal drilling at Palm Valley, Dingo, Orange & Ooraminna Fields and a potential oil target at Surprise Field.
- Wells targeting Helium & gas targets planned for 2023 (Magee-1 & Dukas-1 follow-up wells).

Seismic Activity

- Multiple 2D seismic projects planned across the basin for 2022, including MOG permit EP145.

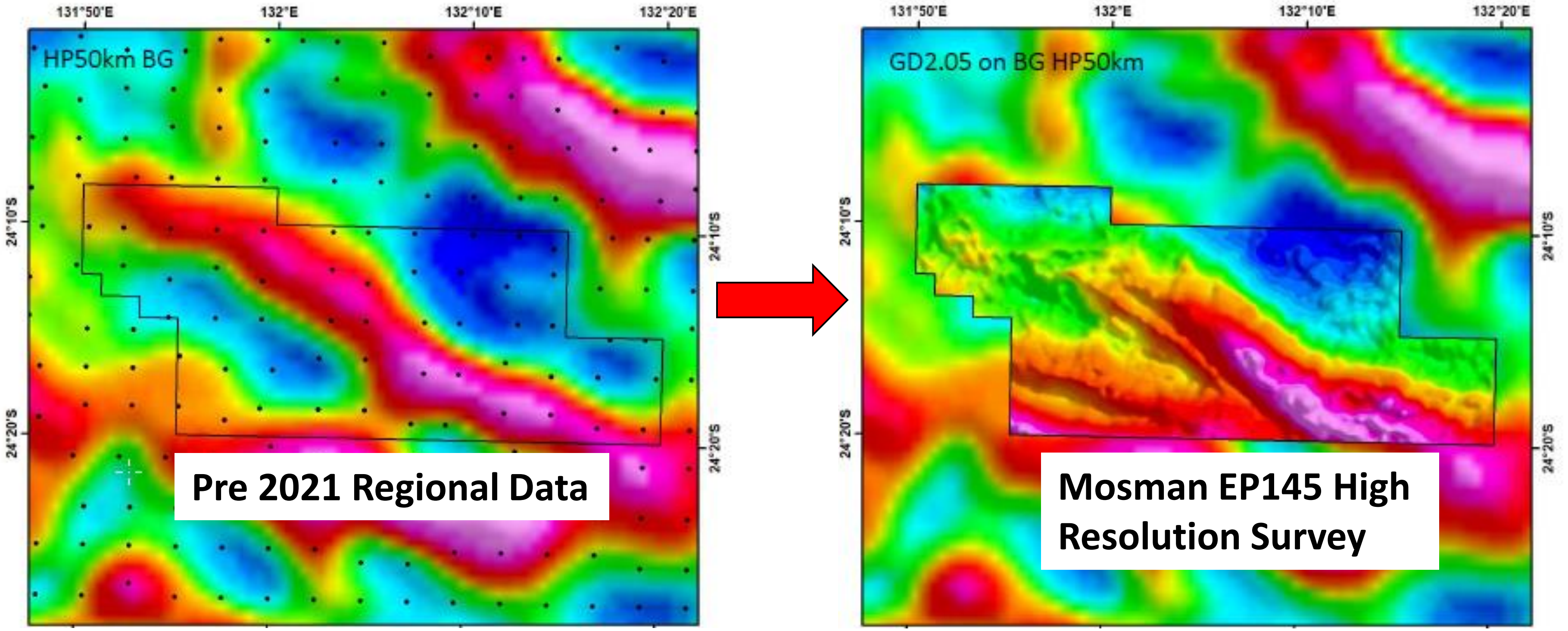
Investment Activity

- Peak Helium 100% operator of EP134 and farm-in to Central/Santos acreage in southern Amadeus Basin.

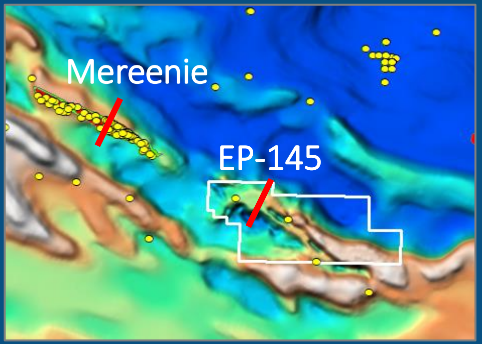
Recent Exploration Activity supports Helium and Hydrogen Exploration

Gravity Data Acquisition & Modelling

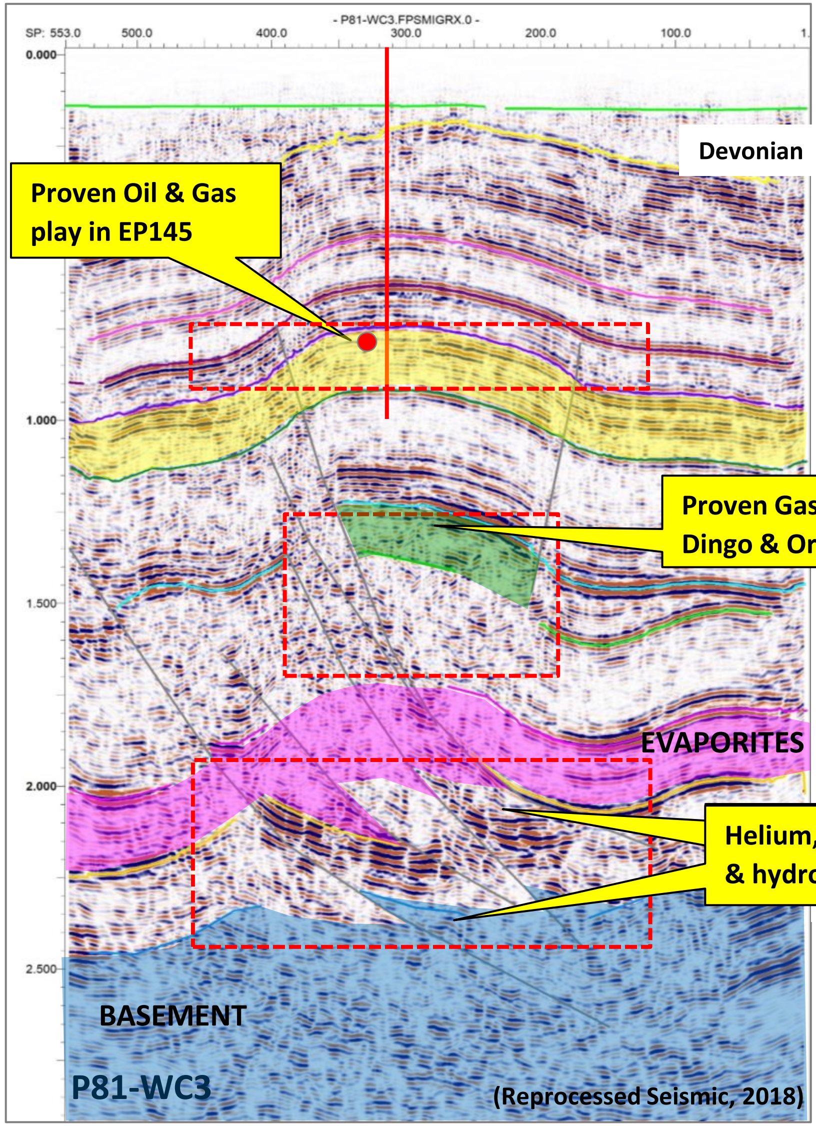
- First high resolution survey of the entire permit acquired by Mosman in 2021.
- Gravity Model supports targets at multiple levels.
- Supports helium and hydrogen exploration in addition to hydrocarbons.



Geological Modelling supports stacked Hydrocarbon, Helium and Hydrogen Targets

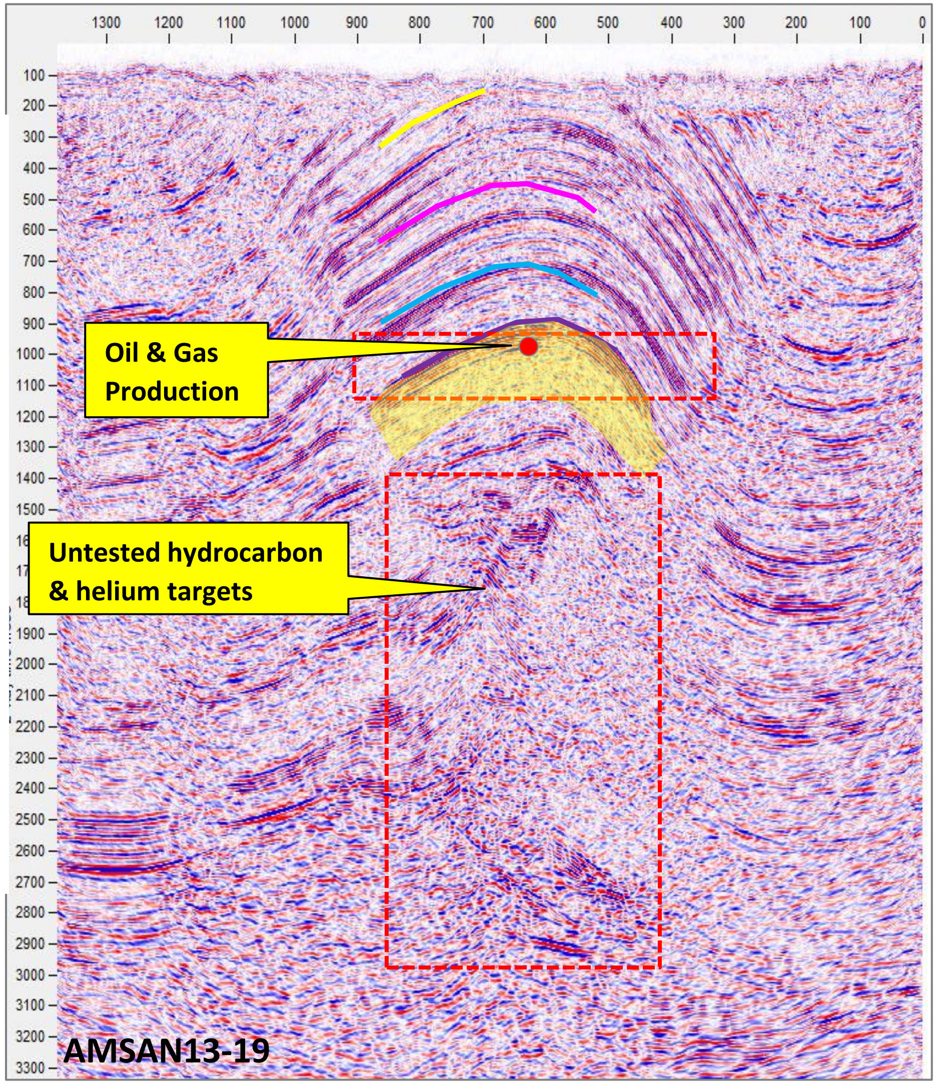


SW EP145: West Walker-1 NE



- Walker anticline >30km in length.
- Structural trapping style analogous to Mereenie.
- Stacked targets for hydrocarbons, helium & hydrogen.
- Proven gas at West Walker-1, oil shows at Tent Hill-1.

SW Mereenie Field NE

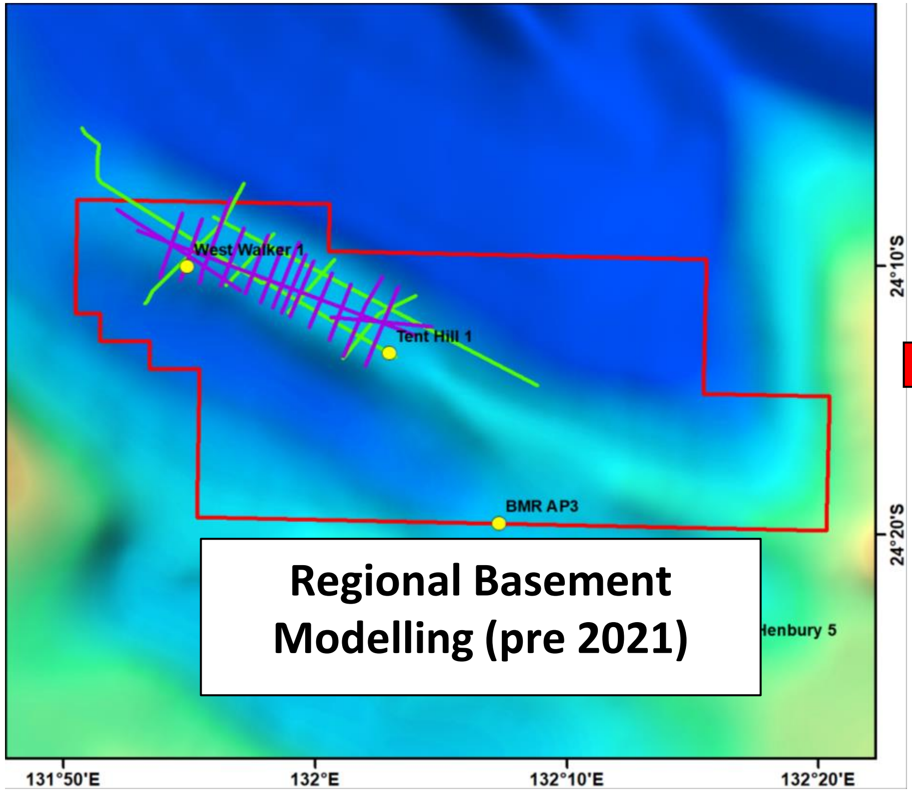


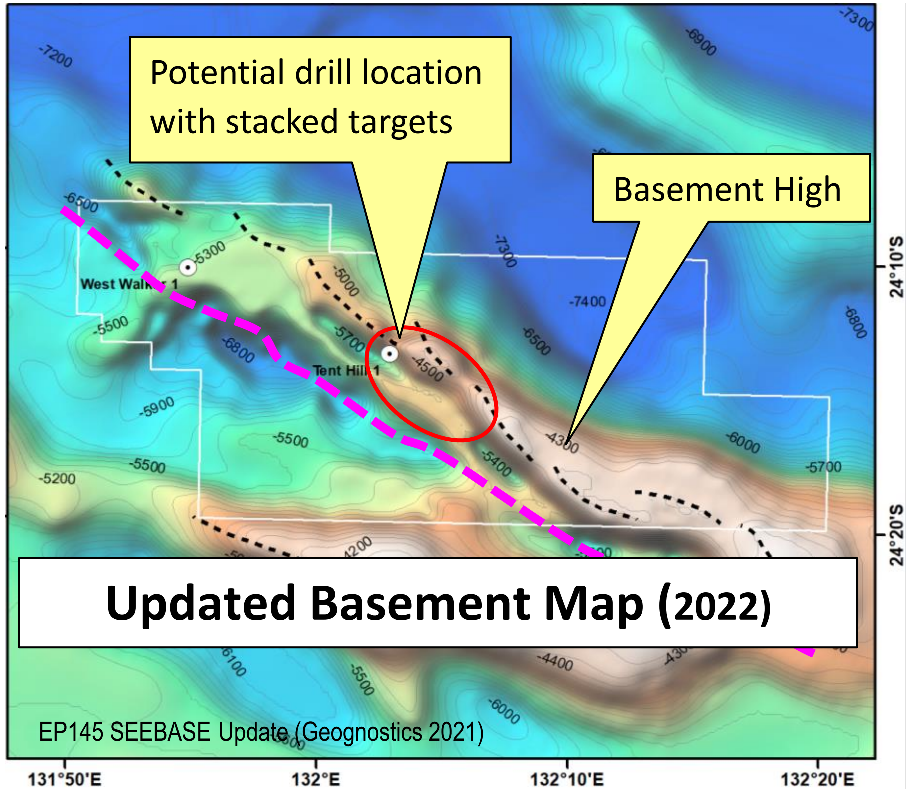
- 30+ years production from the Pacoota Sandstones at Mereenie.
- Stacked reservoir targets -successful appraisal drilling in 2021.
- Helium present in gas at West Mereenie #18.

Potential “sweet spot” for Helium, Hydrogen and Hydrocarbons

Potential “Sweet Spot” for Helium Hydrogen and Hydrocarbons

- Basement High analogous to proven Helium structures identified in the Amadeus Basin.
- Reactivated basement faults provide migration pathway for Helium and Hydrogen.
- Tent Hill area may be “sweet spot” for Helium, Hydrogen and Hydrocarbon.





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In Summary

Business Model

- Conventional Oil and Gas.
- Production and development in the USA.
- Exploration for Hydrocarbon, Helium & Hydrogen in Central Australia.

Progress

- Solid production in USA.
- Development opportunities identified.
- Significant upgrade of the exploration portfolio through integrated geological modelling.
- Management structure of experienced people across multiple disciplines.

Conclusion

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LIMITED

- Mosman continues to deliver solid production in USA.
- Potential exploration including Hydrocarbons, Helium and Hydrogen in the Amadeus Basin.
- Approvals and funding in place for Cinnabar drill in August/September.

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Capital Structure

Capital Structure

AIM TICKER	MSMN
Shares	5,220,138,052
	360,000,000 GBP 0.0025 (October 2022)
	16,000,000 GBP 0.00125 (October 2022)
	750,000 GBP 0.02 (February 2023)
	500,000,000 GBP 0.0025 (March 2023)
	20,000,000 GBP 0.0015 (March 2023)
	687,500,000 GBP 0.016 (May 2024)