

# 3D OIL LIMITED ANNUAL GENERAL MEETING

#### **Noel Newell**

Executive Chairman/Managing Director

3D Oil Limited (ASX: TDO)







AUSTRALIAN ENERGY MARKET OPERATOR (AEMO) FORECASTS CONTINUED GAS DEMAND UNTIL AT LEAST 2050.

3D OIL OFFER ENERGY SOLUTIONS INTO THE FUTURE ENERGY MIX.



# WHY, WHAT, HOW, WHEN

WE WILL **INCREASE SHAREHOLDER VALUE** THROUGH THE PROVISION OF **ENERGY SOLUTIONS** INTO A RAPIDLY CHANGING AND DYNAMIC ENERGY MARKET.

NO OTHER SMALL ENERGY COMPANY PROVIDES AS MUCH UPSIDE POTENTIAL AS 3D OIL.



WHY, WHAT, **HOW**, WHEN

CONTINUE TO ACQUIRE, EXPLORE AND DEVELOP QUALITY ENERGY ASSETS BY ENGAGING IN STRONG PARTNERSHIPS, LEADING TO THE POTENTIAL DEVELOPMENT AND PROVISION OF ENERGY SOLUTIONS



WHY, WHAT, HOW, WHEN

CONTINUED AND ACTIVE EXPLORATION COMBINED WITH JOINT VENTURE PARTNERSHIPS TO LEAD TO AN IMMINENT DRILLING PROGRAM



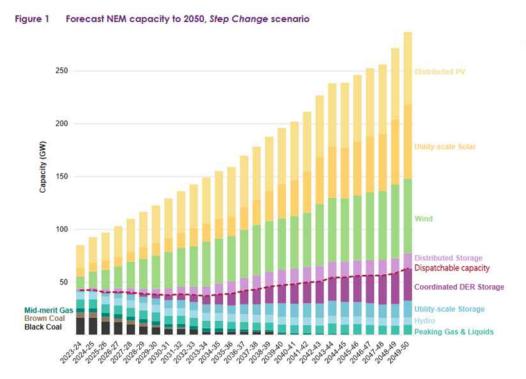
## **OUR PLACE IN THE ENERGY TRANSITION**

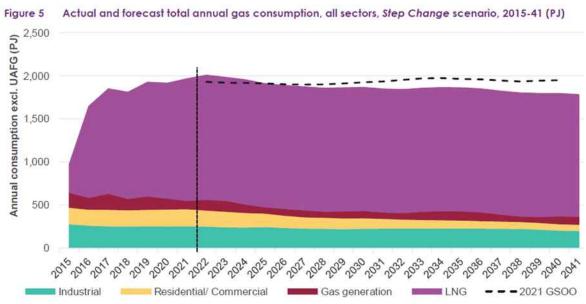
The energy transition is rapidly evolving but gas is forecast to have a continuing role in the integrated energy system.

3D Oil aims to become an east coast gas producer, leveraging strong farmout deals for potentially transformational near-term exploration well(s) in the Otway.

• AEMO indicates gas has a place in the energy mix into the 2040s as a transitional solution to support power system services in support of grid security and flexibility, especially during extreme demand conditions as coal generation retires.

The Company has taken the first steps towards diversifying into new east coast energy solutions through a new onshore gas storage project.





Source: AEMO 2022 Gas Statement of Opportunities

Source: AEMO 2022 Integrated Systems Plan

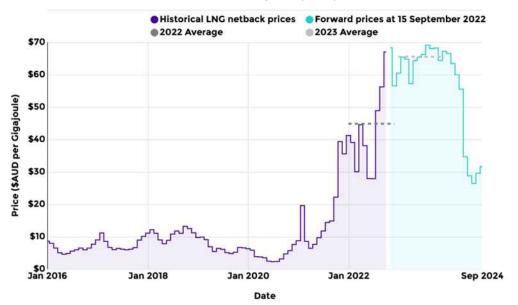


## **EAST COAST ENERGY CRISIS**

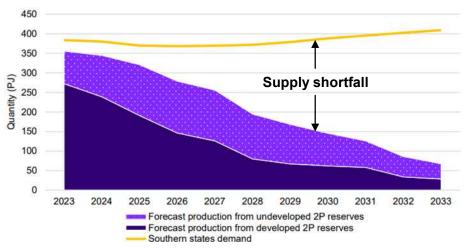
#### Demand and prices building across a tight east coast gas market.

- LNG netback price at Wallumbilla Gas Supply Hub is emerging as the benchmark of domestic gas price
  - Long term gas prices expected to remain around \$8/GJ to \$11/GJ.
  - Delivery cost to Victoria \$2 to \$2.50/GJ.
- Supply and demand
- ACCC Gas Inquiry Interim Report indicates east coast gas market is facing a 56 PJ shortfall in supply in 2023 (10% of domestic demand). Most of this shortfall is in southern states (54 PJ).
- Southern states supply shortfall from declining reserves in Bass Strait
  - Longford provides most gas supply to meet peak south-east demand.
- QLD LNG producers withdrawing supply from the east coast market.
  - Non-contracted gas shipped offshore to Asian spot market.
- Victoria has over 2 million homes connected to gas, 65,000 commercial users and over 600 large industrial users.
- Unprecedented demand due to winter peaking in combination with unplanned coal fired generation outages.
  - Drawing down on local underground gas storage.
- Global gas shortage as world transitions to renewables
- LNG import terminals Port Kembla the most advanced and nearing completion.
  - Gas imported from the US and Asia significantly more expensive than domestic.

#### Historical and forward short-term LNG netback prices (ACCC)



#### Supply shortfall in 2P reserves over the coming decade





## **KEY METRICS**

A highly experienced operator with a very large strategic portfolio of offshore Australian exploration permits, with potential high impact

Offshore exploration permits

4

14,852km<sup>2</sup> area

Gas storage exploration permits

Caroline Field, onshore SA

Shares on Issue

265.2m

15 years listed

Forward funding<sup>1</sup>

~\$104m

2 exploration wells

Net prospective resources (MMBOE)<sup>2</sup>

1240

**Best Estimate (Recoverable)** 

**Capital Raised** 

~\$3m

**Since 2008** 

Debt

Nil



## **EXPLORATION STRATEGY**

Focused on identifying and acquiring high potential offshore exploration acreage, organically enhancing value, then funding exploration and appraisal by farming out to larger companies



Identification and acquisition of early stage assets



Enhance value by organically progressing assets



Monetise asset to generate value for shareholders

To fund exploration activities, junior explorers typically raise capital or divest equity to farm-in partners.

3D Oil strives to create shareholder value by farming out to larger companies to fund further exploration and ongoing development.

In the last 14 years, 3D Oil has raised only ~A\$3m, through an over-subscribed placement and SPP in 2018.



Major partner in the Gippsland Basin through 2013, 2014 and 2019 farm-ins.



Partner in the Otway Basin through 2014 farm-in (subsequently relinquished).



Major partner in the Otway Basin through 2019 and 2022 farm-ins.



## FORGING GROWTH OPPORTUNTIES

3D Oil have completed a second farmout agreement with ConocoPhillips Australia<sup>2</sup> providing a pathway to the potential drilling of 2 high impact gas prospects in the Otway Basin.







Upfront cash payment enables 3D Oil to progress exploration activities across other permits

2019

A\$5m

Fully-funded 3D seismic acquisition over leads in the central corridor

~A\$15m

~1700km² Sequoia 3D seismic acquisition over key leads and prospects completed and processing underway

Sequoia 3D completed 11/2021

Fully-funded for first US\$30m<sup>3</sup> of costs for an *optional* exploration well at a preferred gas prospect

~A\$45m

Optional Year 6 exploration well to be confirmed upon completion of Seguoia 3D seismic interpretation

Year 6 ends 2024

Transaction complete

Upfront cash payment of \$US3m³ enables 3D Oil to progress exploration activities across other permits

2022

T/49P<sup>1</sup>

VIC/P79<sup>2</sup>

~ A\$4.8m

Joint Operating Agreement currently under negotiation

Pending regulatory approval

Fully-funded for first US\$35m³ of costs for a firm exploration well at a preferred gas prospect

~A\$56m

Exploration well will satisfy primary term Year 3 work commitment

**Year 3 ends 2025** 

<sup>(1)</sup> Refer to ASX announcement dated 18 Dec 2019 re farmout of T/49P to ConocoPhillips Australia

<sup>(2)</sup> Refer to ASX announcement dated 21 Oct 2022 re farmout of VIC/P79 to ConocoPhillips Australia

<sup>(3)</sup> Assume \$1 USD = \$1.61 AUD



## **BUILDING SHAREHOLDER VALUE**

3D Oil has developed and progressed a quality portfolio of assets through several major industry downturns

EXPERIENCED TEAM



RAPID EXECUTION



NEW TECHNOLOGY



**EFFICIENT OPERATOR** 



COMMERCIAL DISCOVERY?



Experienced board and senior management team

Leverage experience exploring core offshore Australian basins

Skilled at identifying missed opportunity and reacting faster than competitors to execute

6 months from VIC/P79 award to farmout

Utilise state-of-the art seismic reprocessing and seismic acquisition technology

Leverage to identify and evaluate missed opportunity

Add value through lowcost targeted work programs

Attract large companies to carry work program costs for seismic and wells

Upcoming Otway Basin exploration well(s) with ConocoPhillips

3D Oil is **firmly on a course to become an east coast gas producer** in a critical time of energy transition and constraint.

3D Oil Executive Chairman Noel Newell



## **PROJECT OVERVIEW**

3D Oil has developed a quality portfolio across Australia's most prospective offshore exploration basins and is focused on becoming an east coast gas producer.

#### **Exploration Overview**

#### Otway Basin, VIC/TAS

- Joint Venture with ConocoPhillips Australia in two permits.
- Estimated prospective resource of 10 TCF (gross) gas proximal to east coast market.
- Amplitude supported prospects.
- T/49P processing of Sequoia 3D (~1700km²) underway and due for completion 2022/2023.
- 2024/2025 commitment exploration well in VIC/P79 (funded US\$35m).
- 2024/2025 optional exploration well in T/49P (funded US\$30m).

#### **Gippsland Basin, VIC**

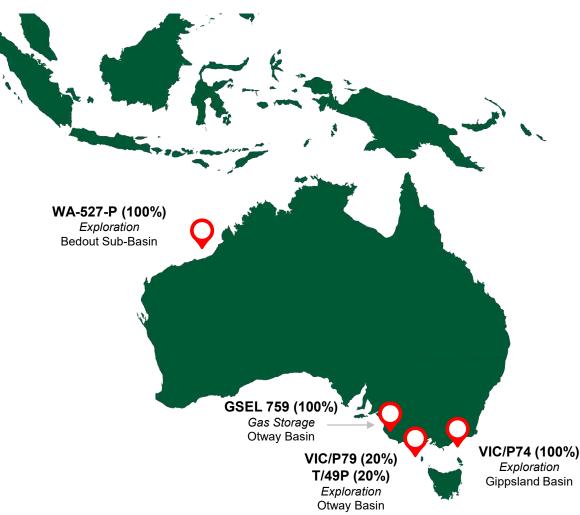
Prospect maturation continues, including Bigfin (502 BCF recoverable gas).

#### Bedout Sub-Basin, WA

- Sauropod 3D seismic acquisition planning targeting Dorado-style play.
- Exciting oil plays 350 MMbbls recoverable oil across three leads in petroleum-rich basin.

#### **Gas Storage Overview**

- Newly acquired gas storage license in onshore South Australia.
- GSEL 759 covers part of the depleted and abandoned Caroline CO<sub>2</sub> gas reservoir.
- Part of an emerging broader energy strategy with an impending east coast energy crisis.



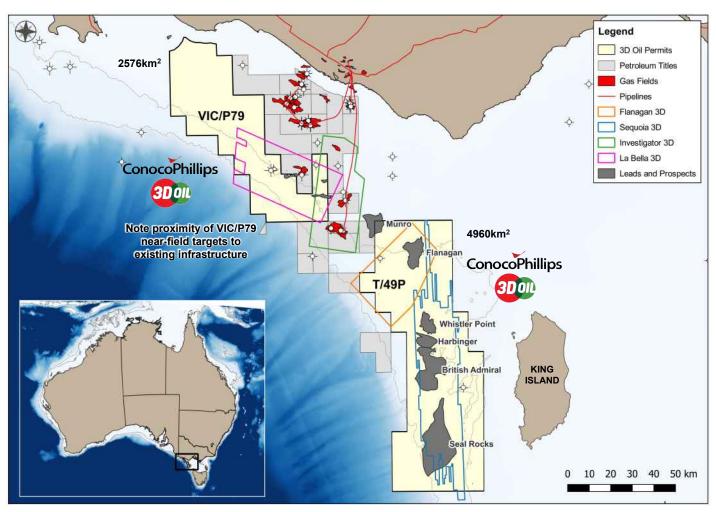


## PROGRESSING TOWARDS OTWAY DRILLING

Well placed to deliver gas to the East Coast market with near-term exploration well(s) largely funded by Joint Venture partner ConocoPhillips Australia.

#### VIC/P79 (Victoria): TDO 20%

- Guaranteed exploration well in Year 3 funded up to US\$35m (currently 2024/2025).
- Vanguard Prospect with DHIs, including flat spots, 5km west of Geographe Field.
- Vanguard best estimate prospective resource of 161 BCF across three zones within the Waarre Formation.
- Additional tilt block leads display amplitude conformance with structure down-dip from La Bella gas discovery.
- Otway Basin has a very high success rate off the back of amplitude driven plays.
- Flat spots and AVO response in proven gas fairway reduces exploration risk in VIC/P79.



TDO leads and prospects portfolio in the offshore Otway Basin

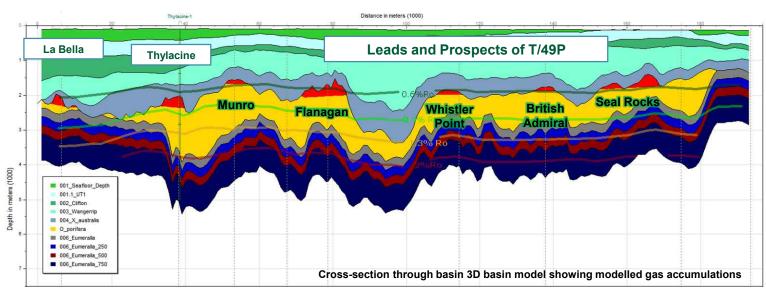
#### T/49P (Tasmania): TDO 20%

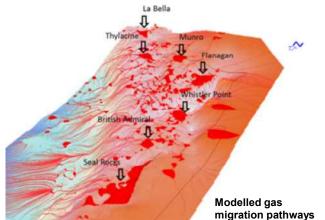
- Optional exploration well in Year 6 funded up to US\$30m (currently 2024/2025).
- Very large under-explored area in shallow waters (~100m) proximal to existing infrastructure.
- Proximal to proven petroleum system and the largest gas discoveries in the Otway Basin, Thylacine and Geographe.
- Multiple large gas prospects covered by the Sequoia and Flanagan 3D seismic surveys.
- Sequoia 3D processing underway and due for completion early 2023.
- Best estimate prospective resource of 10 TCF across 7 leads.



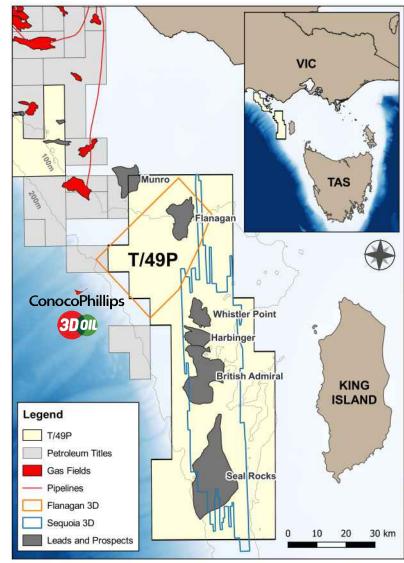
## **HUNTING FOR ELEPHANTS IN T/49P**

### 10 TCF gross (2 TCF net 3D Oil) prospective resources has been identified across T/49P.





Prospective resource <sup>1</sup> (Recoverable BCF)	Low	Best	High	
Flanagan	530 (106)	1340 (268)	2740 (548)	
Seal Rocks	950 (190)	4640 (928)	10640 (2128)	
Whistler Point	820 (164)	2040 (408)	8950 (1790)	
British Admiral	370 (74)	1030 (206)	4450 (890)	
Harbinger	330 (66)	790 (158)	1430 (286)	
Munro (In-permit)	40 (8)	190 (38)	570 (114)	
T/49P Total	3,040 (608)	10,030 (2,006)	28,780 (5,756)	



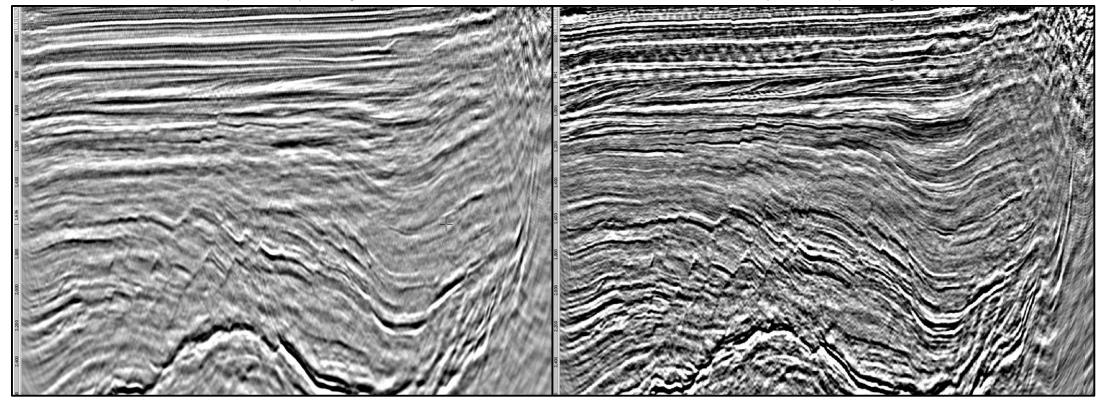
T/49P permit map showing leads and prospects



## **HUNTING FOR ELEPHANTS IN T/49P – SEQUOIA 3D MSS PROCESSING**

Sequoia Phase 1 processing

Sequoia Phase 2 processing



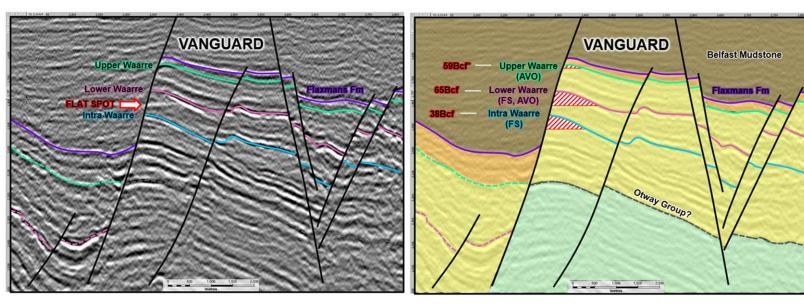
#### **Sequoia Phase 2 delivered October 2022**

- Significant uplift in data quality from fast-tracked Phase 1 product to Phase 2, including improved definition of amplitudes and faults.
- Anticipate good quality final product with further uplift from completion of Phase 3 processing workflows.
- Full evaluation of the prospectivity, including seismic attribute analysis, will be possible once Phase 3 has been received. Anticipate Phase 3 deliverable Q1, 2023.

# 3D OIL

## **NEAR-FIELD EXPLORATION OPPORTUNITIES: VANGUARD**

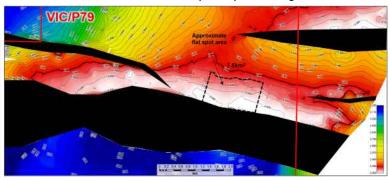
Fault bound three-way closure with Direct Hydrocarbon Indicators (DHIs) adjacent to major discovery.

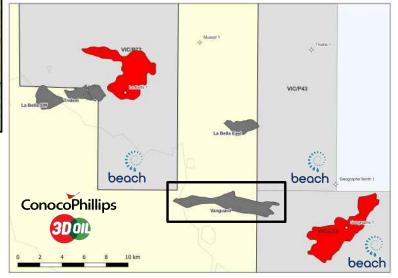


Above: Vanguard Prospect consists of three reservoir horizons within the Waarre Formation, defined by Direct Hydrocarbon Indicators.

- Vanguard is located towards the outer margin of the Shipwreck Trough proximal to the largest gas discoveries within the Otway Basin, including Geographe and Thylacine.
- Stacked pay across three reservoirs indicated by flat spots and Amplitude Variation with Offset (AVO). Stacked pay present at offset gas discoveries, including La Bella and Artisan.
- Primary term work program designed to rapidly exploit existing opportunity in the permit via one exploration well at Vanguard.
- Vanguard straddles two 3D seismic surveys of varying quality (La Bella and Investigator). Early work program requires reprocessing, merging and interpretation of 630km<sup>2</sup> 3D seismic to better define Vanguard Prospect DHIs.

Below: Lower Waarre depth map over Vanguard



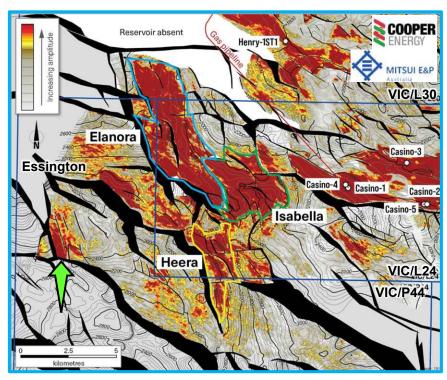


Prospective resource	Low	Best	High
Vanguard Prospect (Recoverable BCF)	52.5	161.5	425

# 3D OIL

## **VIC/P79 'RUNNING ROOM'**

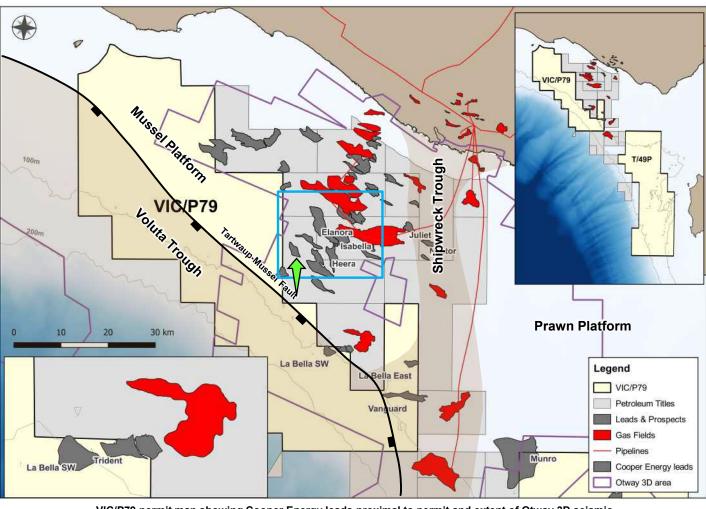
Inboard to the west lies directly adjacent to low-risk amplitude supported prospects.



Top Waarre depth structure map with amplitude supported prospects<sup>1</sup>

#### Amplitude supported prospects directly adjacent to VIC/P79

 Elanora 1 exploration well FID may be targeted to coincide with OP3D Annie FID, targeted for Q3 FY23<sup>2</sup>.



VIC/P79 permit map showing Cooper Energy leads proximal to permit and extent of Otway 3D seismic

<sup>(1)</sup> ASX: COE Announcement 9 February 2022



## **NEW TECHNOLOGIES, NEW OPPORTUNITIES: GIPPSLAND BASIN**

### Significant potential to serve the SE Australian gas market with 1.8Tcf combined Prospective Resources

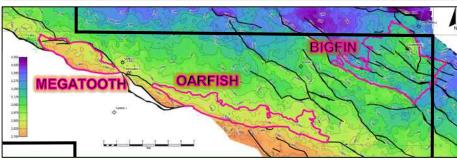
VIC/P74 (Victoria): TDO 100% (Transfer of Title approved)

#### Playing in the right space

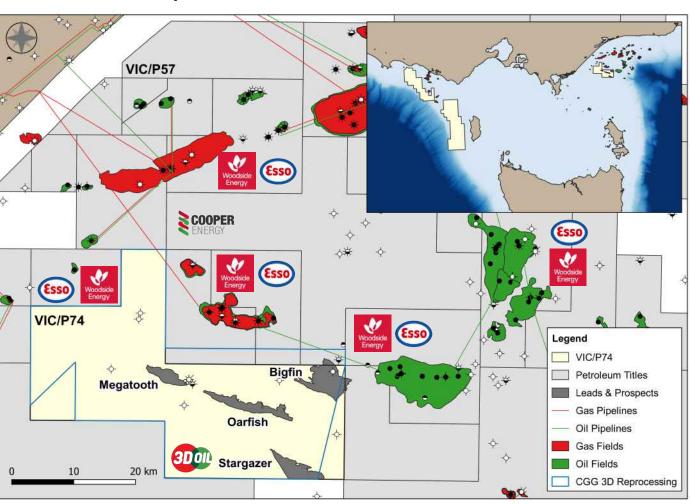
- Gas production rapidly declining with looming forecast supply shortfalls.
- Located on the fringe of a prolific hydrocarbon province.

#### Significant gas potential within underexplored Lower Latrobe

- Historic exploration has been hampered by depth conversion issues owing to shallow velocity anomalies.
- CGG reprocessing has improved image quality and depth conversion.
- 4 key leads have been identified within the Golden Beach Subgroup.
- The largest target is the Bigfin Lead, with a Best Estimate of 502 BCF and 19 MMbbls¹ of condensate.
- Secondary work program aims to mature Bigfin to drill-ready status.



Top Golden Beach Subgroup depth map



WA-527-P permit and existing leads relative to gas condensate and oil discoveries.

(1) Refer to ASX announcement 16th Feb 2021. Volumes subsequently revised on 7th Oct 2021.



## **BASIN MARGIN PROSPECTIVITY**

### WA-527-P leads portfolio includes one of the largest undrilled traps in the Bedout Sub-Basin with 191 MMbbls recoverable oil (best estimate).

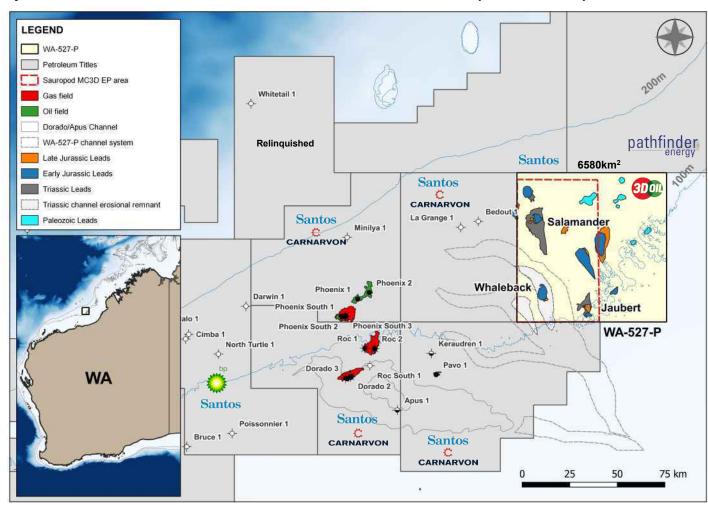
#### WA-527-P (Western Australia): TDO 100%

- Highly prospective and under explored area.
- Straddles the basin margin, Broome Platform located in the eastern half of the permit.
- Up-dip from existing gas condensate and oil discoveries at Phoenix South, Roc, Dorado and Pavo.

#### High value leads portfolio

- Includes third largest undrilled lead in the basin, Salamander Lead, covered by Zeester 3D MSS (unlicenced).
- Access to multiple plays in generally shallow water (100-150m).
- Up to 15 leads identified, all considered prospective for oil with ~350
   MMbbls\* across Middle Triassic to Upper Jurassic structural closures.

Prospective resource¹ (Recoverable MMbbls)	Low	Best	High
Salamander	57	191	713
Jaubert	17	72	205
Whaleback	16	87	219
WA-527-P Total	90	349	1,138



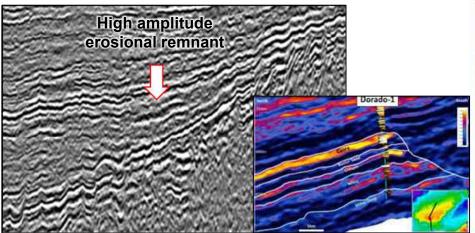
WA-527-P permit and existing leads relative to gas condensate and oil discoveries.

(1) Refer to ASX announcement 26<sup>th</sup> Feb 2018.



## SAUROPOD MC3D: NORTHERN EXTENSION OF THE DORADO PLAY?

3D Oil has mapped a potential erosional channel system within the western side of WA-527-P, similar to the Dorado trapping mechanism.

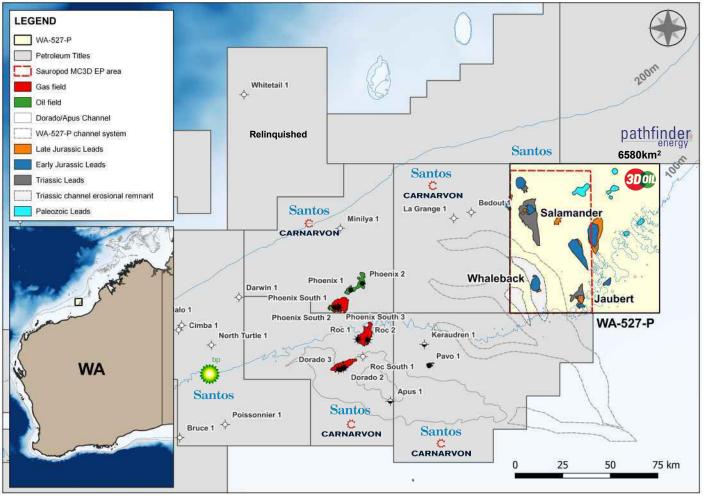


#### Potential access to Dorado style sub-crop traps

- Dorado Field with 162MMbbls oil and 408Bcf gas C2 resource.
- Incised valleys identified on legacy and reprocessed 2D seismic.
- Significant areal extent of the mapped channel system (90-180km²).

#### 3D seismic required to fully evaluate trap potential

- Advanced planning for Sauropod MC3D survey (Year 3 commitment).
- 2-year EP submitted for an area of 3447km<sup>2</sup> in the west.
- EP area covers mapped channel system and existing leads.
- Acquisition window for January-May 2023 pending award of EP.



Environmental Planning area within WA-527-P (red polygon) covers major leads.

## **EMERGING & DIVERSIFIED ENERGY SOLUTIONS**

The diversification of energy solutions is consistent with future domestic energy demands and the Company developing an approach to

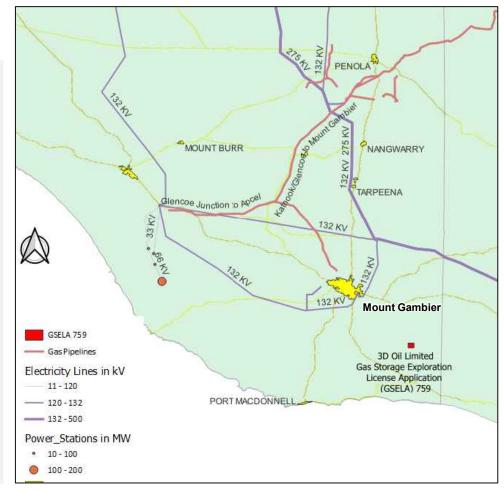
participate in a range of energy solutions

#### Awarded GSEL 759 in July 2022

- Emerging broader energy strategy for 3D Oil.
- Impending energy crisis in Eastern Australia and overall transition in the domestic and global energy sector.
- Project well located in relation to existing gas and electricity transmission infrastructure.
- Project builds on demonstrated existing technical strengths.

#### Contains the depleted Caroline gas reservoir.

- Centrally located around the plugged and abandoned Caroline-1 wellhead, over part of the now depleted Caroline Field.
- Discovered in 1967 and produced CO<sub>2</sub> at up to 99% purity until production ceased in 2016 and then plugged and abandoned in 2019.
- Depleted reservoir to be assessed for commercial storage potential of hydrogen, natural gas or carbon dioxide.
- 5-year minimum guaranteed work program culminating in the delivery of a final economic model



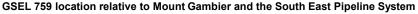


Image courtesy of the Global CCS Institute



## **INVESTMENT HIGHLIGHTS**



**Second Milestone transaction with ConocoPhillips:** VIC/P79 farm-out agreement with ConocoPhillips Australia includes A\$4.84m cash payment and up to A\$56.5m costs for an exploration well



**High quality East Coast gas portfolio:** Largest acreage holder (with ConocoPhillips) in the offshore Otway Basin which include low risk gas targets close to infrastructure



**Validated strategy:** Focused on acquiring early stage permits, organically generating value then monetising assets as proven with two deals with ConocoPhillips



**Playing in the right space:** Assets in the Gippsland and Otway Basins are well placed to supply east coast gas. Other acreages, such as WA-527-P, are selected based on their potential to become Australia's next petroleum province.



Diversification of energy solutions: Recently acquired onshore gas storage permit at Caroline Field to support future domestic energy demands.



Significant near term events: Two high impact wells on the horizon targeting significant gas









**APPENDIX** 



## **BOARD & MANAGEMENT**

### A diverse and highly experienced management team with a proven track record developing and operating significant oil and gas projects.



Mr Noel Newell
Executive Chairman/Managing Director

- 40 years in oil and gas business, 20+ years with BHP Billiton and Petrofina as a Geologist and former technical advisor to Nexus Energy Limited.
- Founder of 3D Oil Limited with 20 years as Managing Director.
- Directly involved with Nexus Energy new basin entry into Gippsland.
- Technically involved in exploration of areas around the globe, particularly Southeast Asia and all major Australian offshore basins.
- Current APPEA board member.



Mr Ian Tchacos Non-Executive Director

- Petroleum Engineer with 30+ years in oil and gas business. Former Managing Director of Nexus Energy, Executive Chairman of ADX Energy & Instinct Energy.
- Developed Nexus Energy from a microcap explorer to an ASX top 200 offshore producer.
- Skilled in corporate development and strategy, mergers and acquisitions, petroleum exploration, development and production operations, decision analysis, commercial negotiation, oil and gas marketing and energy finance.



Mr Trevor Slater
Non-Executive Director

- 35+ years as a director or senior executive developing and operating resource and construction projects within Australia and overseas.
- Former Executive Director for gas production and storage project in Bass Strait, Country Manager/Director for oil and gas exploration projects in Brunei, senior roles in oil and gas field developments in the Timor Sea.
- Involved with significant resource project developments, former CFO of Ballarat Gold Project, now a major gold producer. Consultant on iron ore mine and steel mill development feasibility in Africa.



Mr Leo DeMaria
Non-Executive Director

- 14 years as a Chartered Accountant in the FMCG industry, initially as a Financial Accountant and then as a Commercial Manager.
- Extensive experience across a multitude of areas within company management.
   Core strengths lie within financial management, mergers and acquisitions, supply chain optimization, and risk management.

## **PORTFOLIO SUMMARY**

## **Gross Prospective Resources (Recoverable)**



Conversion factors used to evaluate oil equivalent quantities: 1P of natural gas equals 0.171 million boe; 1 barrel of condensate equals 0.935 boe; 1 barrel of crude oil equals 1 boe.

<b>T/49P (20%)</b> Otway Basin	Oil & C	ondensate (N	//Mbbls)		Gas (Bcf)		Barrels of	Barrels of Oil Equivalent (MMBOE)		
	Low	Best	High	Low	Best	High	Low	Best	High	
Flanagan	6.4	16.1	32.8	530	1340	2740	102.1	258.1	527.7	
Seal Rocks	11.4	55.6	127.6	950	4640	10640	183.0	893.7	2049.4	
Whistler Point	9.9	24.5	107.4	820	2040	8950	158.0	392.9	1723.8	
British Admiral	4.5	12.4	53.4	370	1030	4450	71.3	198.4	857.1	
Harbinger	-	-	-	330	790	1430	59.9	143.3	259.4	
Munro (In-permit)	0.5	2.3	6.8	40	190	570	7.7	36.6	109.8	
Total	32.57	110.85	328.03	3,040	10,030	28,780	581.9	1,923	5,527.2	

VIC/P79 (20%) Otway Basin	Oil & C	ondensate (N	(Mbbls		Gas (Bcf) Barrels of Oil Equivalent				nt (MMBOE)
	Low	Best	High	Low	Best	High	Low	Best	High
Vanguard	-	-	-	52.5	161.5	425	9.5	29.3	77.1
Trident	-	-	-	19.5	37.2	65	3.5	6.7	11.8
Defiance	-	-	-	17.2	32.5	59.9	3.1	5.9	10.9
La Bella East	-	-	-	17	37.5	65.5	3.1	6.8	11.9
La Bella SW	-	-	-	12	29	54	2.2	5.3	9.8
Total	-	-	-	118.2	297.7	669.4	21.4	54	121.4

VIC/P74 (100%)	Oil & Condensate (MMbbls)				Gas (Bcf)		Barrels of	Barrels of Oil Equivalent (MMBOE)		
Gippsland Basin	Low	Best	High	Low	Best	High	Low	Best	High	
Oarfish	26.7	57.8	127.1	303	544	918	81.7	156.4	293.6	
Bigfin	1.9	17.8	36.5	296	502	783	55.6	108.8	178.5	
Megatooth	31.7	73.0	154.7	259	465	784	78.7	157.3	297	
Stargazer	2.8	11.2	34.6	192	344	564	37.6	73.6	137	
Total	63.2	159.7	352.8	1050	1855	3049	253.6	496.2	906.1	

WA-527-P (100%)	Oil & Condensate (MMbbls)				Gas (Bcf)		Barrels of Oil Equivalent (MMBOE)		
Bedout Sub-Basin	Low	Best	High	Low	Best	High	Low	Best	High
Salamander	57	191	713	-	-	-	-	-	-
Jaubert	17	72	205	-	-	-	-	-	-
Whaleback	16	87	219	-	-	-	-	-	-
Total	90	349	1,138	-	-	-	-	-	-

## **PORTFOLIO SUMMARY**

## **Net Prospective Resources (Recoverable)**



Conversion factors used to evaluate oil equivalent quantities: 1P of natural gas equals 0.171 million boe; 1 barrel of condensate equals 0.935 boe; 1 barrel of crude oil equals 1 boe.

<b>T/49P (20%)</b> Otway Basin	Oil & C	ondensate (N	/Mbbls)		Gas (Bcf)		Barrels of	Barrels of Oil Equivalent (MMBOE)		
-	Low	Best	High	Low	Best	High	Low	Best	High	
Flanagan	1.3	3.2	6.6	106	268	548	20.4	51.6	105.5	
Seal Rocks	2.3	11.1	25.5	190	928	2128	36.6	178.7	409.9	
Whistler Point	2.0	4.9	21.5	164	408	1790	31.6	78.6	344.8	
British Admiral	0.9	2.5	10.7	74	206	890	14.3	39.7	171.4	
Harbinger	-	-	-	66	158	286	12.0	28.7	51.9	
Munro (In-permit)	0.1	0.5	1.4	8	38	114	1.5	7.3	22.0	
Total	6.5	22.2	65.6	608	2,006	5,756	116.4	384.6	1,105.4	

VIC/P79 (20%)	Oil & C	ondensate (N	/Mbbls)		Gas (Bcf) Barrels of Oil Equivalent				nt (MMBOE)
Otway Basin	Low	Best	High	Low	Best	High	Low	Best	High
Vanguard	-	-	-	10.5	32.3	85	1.9	5.9	15.4
Trident	-	-	-	3.9	7.4	13	0.7	1.3	2.4
Defiance	-	-	-	3.4	6.5	12	0.6	1.2	2.2
La Bella East	-	-	-	3.4	7.5	13.1	0.6	1.4	2.4
La Bella SW	-	-	-	2.4	5.8	10.8	0.4	1.1	2.0
Total	-	-	-	23.6	59.5	133.9	4.3	10.8	24.3

VIC/P74 (100%)	Oil & Condensate (MMbbls)				Gas (Bcf)		Barrels of	Barrels of Oil Equivalent (MMBOE)		
Gippsland Basin	Low	Best	High	Low	Best	High	Low	Best	High	
Oarfish	26.7	57.8	127.1	303	544	918	81.7	156.4	293.6	
Bigfin	1.9	17.8	36.5	296	502	783	55.6	108.8	178.5	
Megatooth	31.7	73.0	154.7	259	465	784	78.7	157.3	297	
Stargazer	2.8	11.2	34.6	192	344	564	37.6	73.6	137	
Total	63.2	159.7	352.8	1050	1855	3049	253.6	496.2	906.1	

WA-527-P (100%)	Oil & Condensate (MMbbls)				Gas (Bcf)		Barrels of Oil Equivalent (MMBOE)		
Bedout Sub-Basin	Low	Best	High	Low	Best	High	Low	Best	High
Salamander	57	191	713	-	-	-	-	-	-
Jaubert	17	72	205	-	-	-	-	-	-
Whaleback	16	87	219	-	-	-	-	-	-
Total	90	349	1,138	-	-	-	-	-	-



## NOTES ON PETROLEUM RESOURCE ESTIMATES

#### **Prospective Resources**

Under the SPE PRMS 2018, Prospective Resources are "those quantities of petroleum that are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations". Volumes are reported using the terms low estimate, best estimate and high estimate.

The estimates have been prepared by the company in accordance with the definitions and guidelines set forth in the Petroleum Resources Management System, 2011 approved by the Society of Petroleum Engineer. Prospective Resource estimates are for recoverable volumes and unless otherwise stated all petroleum estimates reported are aggregated by arithmetic summation by category. The estimates are unrisked and have not been adjusted for both an associated chance of discovery and a chance of development. 3D Oil uses both deterministic and probabilistic methods for estimation of Prospective Resources.

The estimates of Prospective Resources contained in this presentation are as at 30 June 2022. The Company is not aware of any new information or data that materially affects the estimates of Prospective Resources, and the material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

Conversion factors used to evaluate oil equivalent quantities: 1P of natural gas equals 0.171 million boe; 1 barrel of condensate equals 0.935 boe; 1 barrel of crude oil equals 1 boe.

#### **Qualified Petroleum Reserves and Resources Evaluator Statement**

The Prospective Resources estimates in this release are based on, and fairly represent, information and supporting documents prepared by, or under the supervision of Dr Daniel Thompson, who is employed full-time by 3D Oil Limited as Chief Geoscientist. He holds a BSc. Hons and PhD in Petroleum Geosciences, has been practicing as a Petroleum Geoscientist for 9 years and is a member of the American Association of Petroleum Geologists (AAPG) and Petroleum Exploration Society of Australia (PESA). Dr Thompson is qualified in accordance with ASX listing rule 5.41 and has consented in writing to the inclusion of the information in the form and context in which it appears.

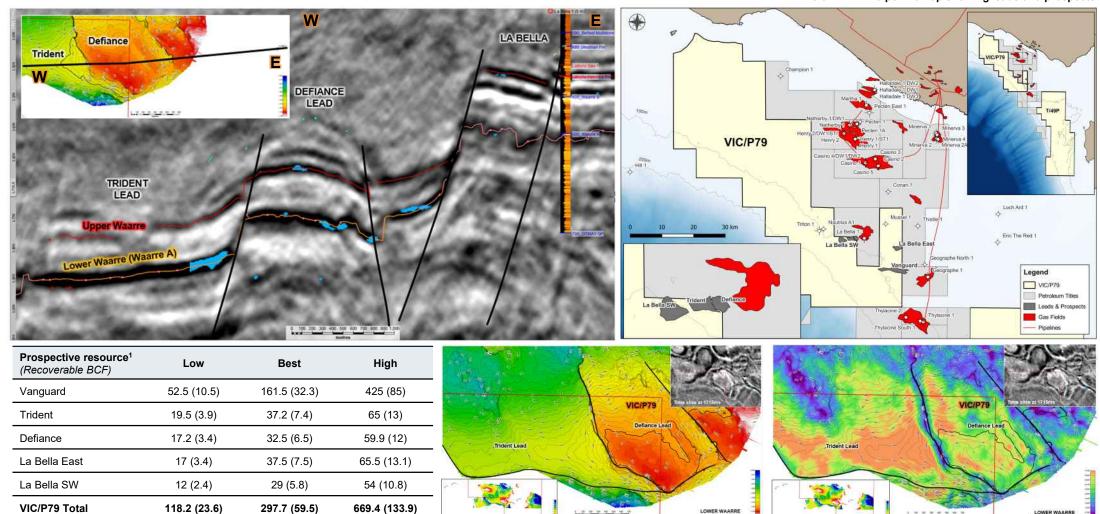


LOWER WAARRE RMS AMPLITUDE MA

## **NEAR-FIELD EXPLORATION OPPORTUNITIES**

Tilt blocks down-dip from La Bella gas discovery show strong amplitude conformance with structure.

#### Below: VIC/P79 permit map showing leads and prospects



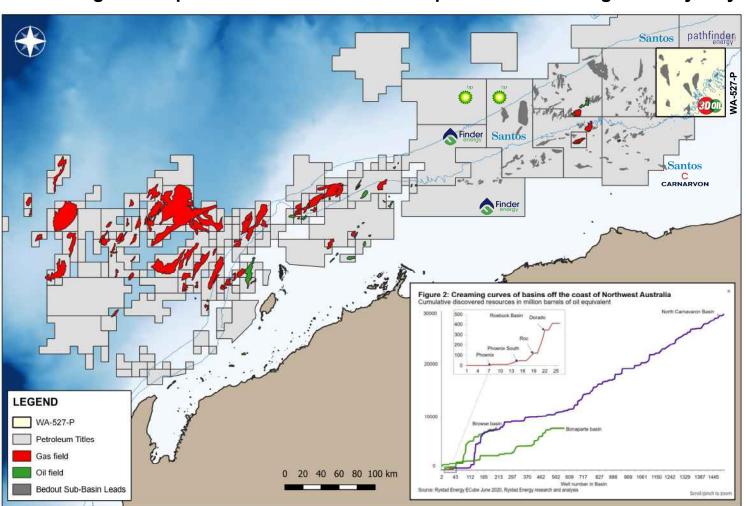
(1) Refer to ASX announcement 8th Jun 2022 28

LOWER WAARRE TWT MAP



## EARLY ENTRY INTO AN EMERGING HYDROCARBON PROVINCE

3D Oil recognised the potential of the Bedout Sub-Basin prior to Dorado-1 and gained early entry into Australia's newest petroleum province.



<sup>1</sup>Creaming curve courtesy of Rystad Energy ECube June 2020, Rystad Energy Research and Analysis

# Immature exploration province with limited drilling has transformed into the most sought-after basin in Australia.

- ~600 MMBOE cumulative resource discovered.
- 50% success rate for exploration wells targeting the Caley.
- Outstanding source rocks within Middle Triassic deltas.
- Discoveries in the neighbouring Northern Carnarvon Basin highlight future potential where 100+ leads remain undrilled.

#### 3D Oil recognised basin potential prior to Dorado 1 drilling.

- WA-527-P awarded Q1 2017 as part of the 2016 Offshore Acreage Release.
- Some of the largest undrilled leads in the basin are located within WA-527-P.

WA-527-P permit and existing leads relative to gas condensate and oil discoveries.



## **DISCLAIMER**

This presentation contains certain statements which may constitute "forward-statements". Such statements are only predictions and are subject to inherent risks and uncertainties which could cause actual values, results, performance or achievements to differ materially from those expressed, implied or project in any forward-looking statements.

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