

ASX ANNOUNCEMENT

3D Oil Limited | ASX: TDO

8 March 2023

East Coast Gas VIC/P79 Prospective Resource Update

3D Oil Limited (the “Company”; ASX: TDO) is pleased to announce an upgrade to the VIC/P79 prospective resources released to the market on 8th June 2022 and the inclusion of several new leads, having progressed subsurface maturation efforts.

Highlights

- **Subsurface maturation has enabled an update to the existing leads and prospects portfolio.**
- **Six (6) near-field leads are identified on the La Bella 3D, most with amplitude support and/or flat spots, with a combined best estimate prospective resource of 533 Bcf (in-permit recoverable).**
- **Essington Prospect (formerly Vanguard) prospective resource upgrade from 161 Bcf to 246 Bcf recoverable best estimate.**
- **Reprocessing of the La Bella 3D has commenced and will take 8-10 months.**
- **Ongoing 3D seismic activities will enable maturation of leads, including Monarch and Rosetta, prior to the late 2024/2025 drilling campaign.**

Managing Director’s Comments

Mr Noel Newell, Executive Chairman of 3D Oil, said today “3D Oil has worked diligently to continue maturing the subsurface during the progression of the VIC/P79 farmout process to ConocoPhillips Australia. This release upgrades the prospectivity already identified and adds to a compelling portfolio of potential drill targets as the incoming operator, ConocoPhillips Australia, progresses towards exploration drilling in 2024/2025.

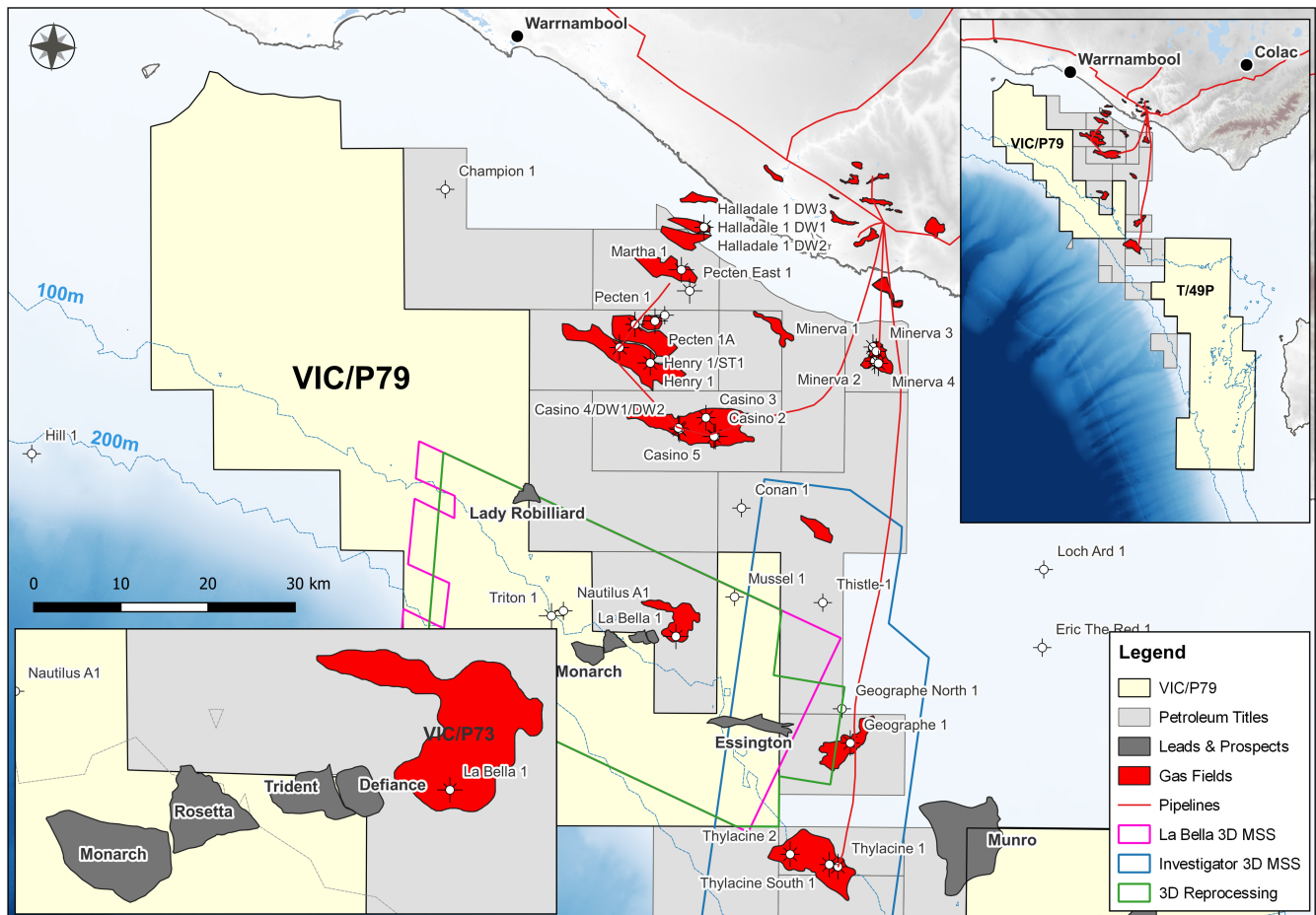
The growing portfolio demonstrates the potential for a commercial gas project in VIC/P79. Amplitude supported leads and prospects represent low risk, near field exploration targets as demonstrated by a reported 100% success rate drilling amplitude supported prospects in adjacent permits, reported by operators Beach Energy and Cooper Energy.

Ongoing 3D seismic reprocessing should provide a strong uplift in image quality where amplitudes are masked by channelling over key potential targets near the La Bella gas discovery, some of the largest features in the portfolio. Reprocessing will support the maturation of these newly identified leads, which may play an important role in unlocking the commerciality of the permit.”

VIC/P79 covers an area of 2,576 km² within the offshore Otway Basin and contains the highly prospective Essington Prospect (formerly Vanguard), located adjacent to the largest gas fields in the basin, including Geographe and Thylacine (Figure 1). The La Bella gas discovery lies along the northeast margin of the permit, up-dip from amplitude supported leads Defiance and Trident.

On 21 October 2022 TDO announced the signing of a Joint Operating Agreement (“JOA”) for the farmout of an 80% interest in VIC/P79 to ConocoPhillips Australia SH2 Pty Ltd. TDO retains 20% participating interest and operatorship will be transferred to ConocoPhillips Australia upon final regulatory approval, anticipated in Q1 2023.

Figure 1: Location map of VIC/P79 exploration permit, including revised leads and prospects and 3D seismic reprocessing area.



Leads and Prospects Update

On 8 June 2022, TDO released a market update delineating two relatively low risk, near-field, amplitude supported leads immediately down-dip from the La Bella gas discovery, Defiance and Trident. Since then, TDO has completed 3D seismic interpretation over the La Bella 3D, which covers a full-fold area of ~887 km². A full leads and prospects inventory is now available for southern VIC/P79 that includes 6 high impact leads and prospects, many showing geophysical indications of hydrocarbons in the form of amplitude conformance with structure and/or flat spots.

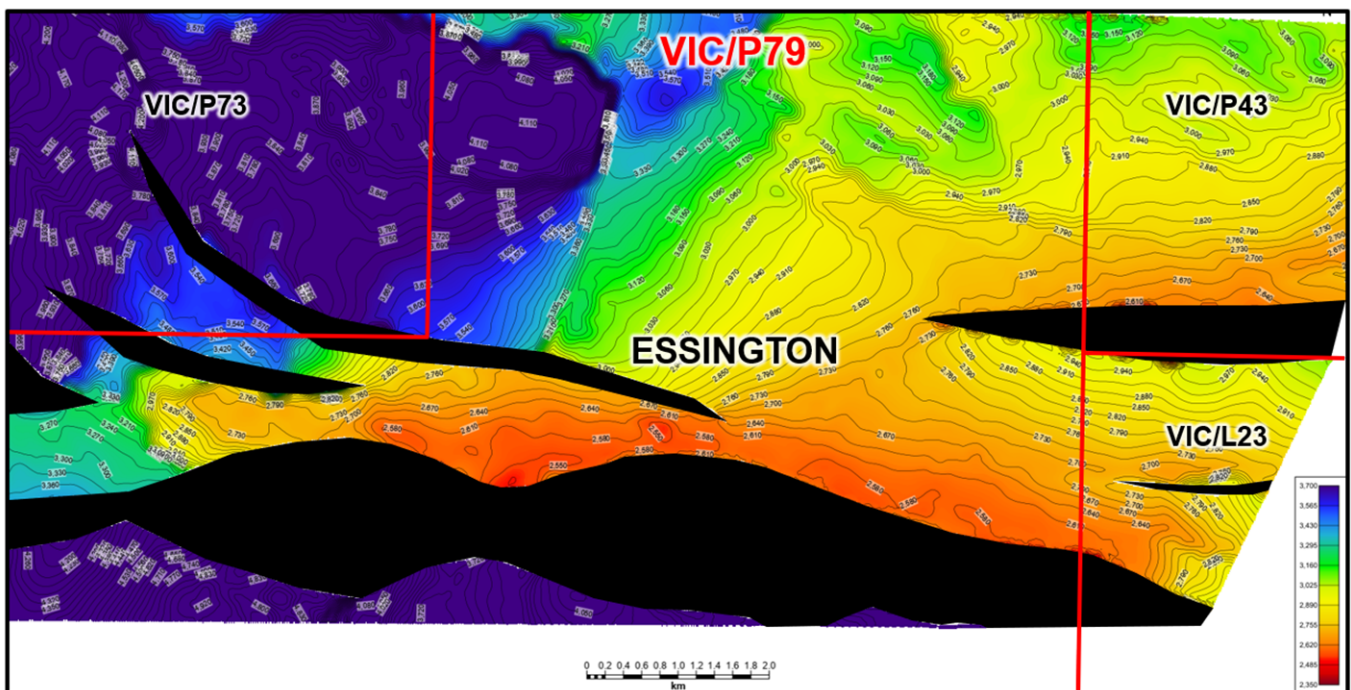
Beach Energy and Cooper Energy have reported world class success rates drilling amplitude supported prospects in the offshore Otway Basin, with reported success rates of 100%^{1,2} respectively within permits located adjacent to VIC/P79.

Prospect scale seismic interpretation, structural mapping and ongoing depth conversion of the La Bella 3D has permitted an upgrade to the prospective resources at existing leads and prospects, including Essington (Figure 2), in combination with the provision of prospective resource estimates for newly identified leads. The P90, P50 and P10 prospective resource estimates for the portfolio are provided in Tables 1 and 2 at the end of the release and are constrained by geophysical indicators for hydrocarbons, where present, such as amplitude conformance with depth closure and flat spots. A stratigraphic column of the Shipwreck Group is provided in Appendix 1.

Essington Prospect (formerly Vanguard)

Essington Prospect lies in ~100m water depth, 5km west of the Geographe gas field towards the southern margin of the Shipwreck Trough: a key kitchen that fringes most of the offshore gas discoveries in the basin. The prospect overlaps two 3D seismic surveys of varying quality, including La Bella and Investigator, hence TDO’s exploration strategy to bid 630km² of seismic reprocessing across the two datasets within the primary term.

Figure 2: Essington depth structure map



Essington was identified due to its prominent flat spot at the top Waarre A reservoir (Appendix 1), another geophysical indicator that is strongly supportive of a gas charged reservoir. Essington does not show amplitude conformance with depth structure at the top Waarre A reservoir, as is common in many Otway Basin gas fields, likely due to a difference in reservoir/seal lithologies. A second potential flat spot has also been observed within

¹ Beach Energy: FY22 full-year results, 15 August 2022

² Cooper Energy: Otway Basin Exploration Prospective Resource Update, 9 February 2022

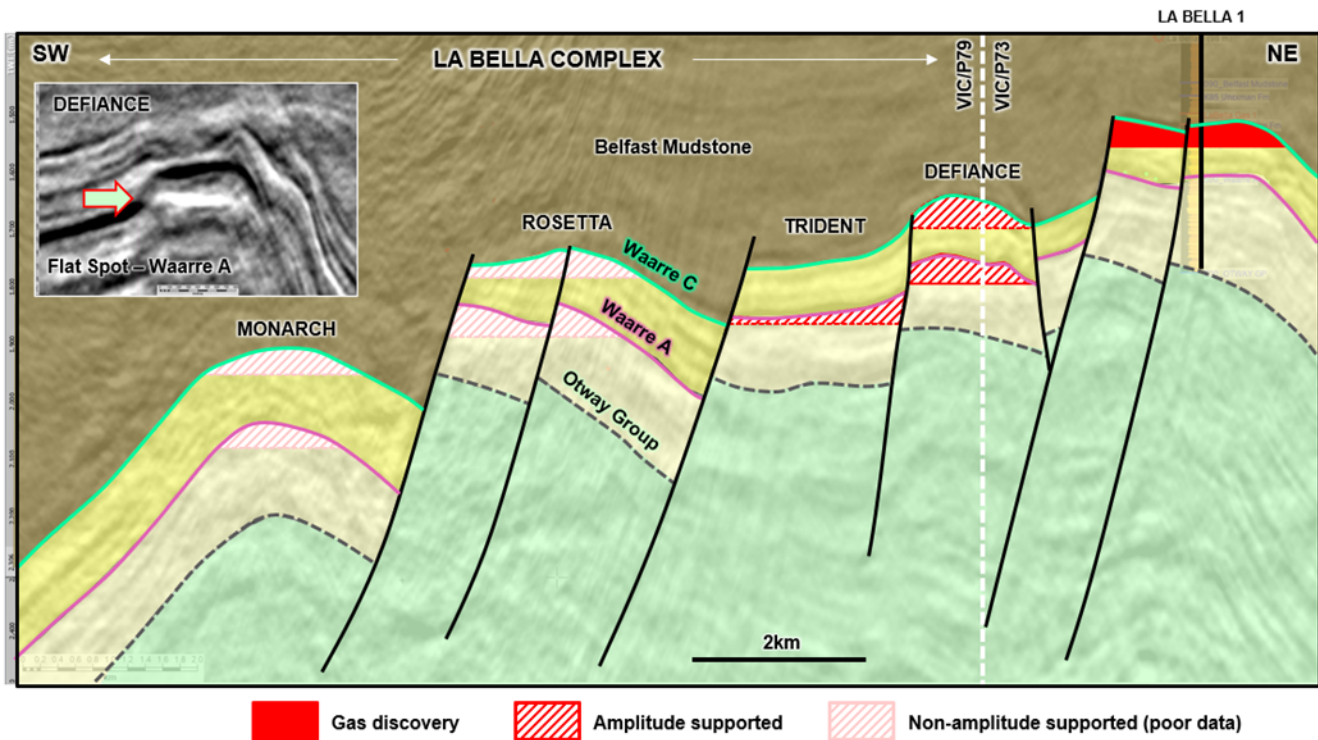
the deeper Waarre A unit, while the Waarre C shows Amplitude Variation with Offset (AVO) over a limited area. Essington lies on a fill-spill pathway to Geographe Field to the east.

TDO has updated the unrisks best estimate in-permit prospective resource at Essington from 161 Bcf to 246 Bcf (267 Bcf full structure). This revision is based on ongoing prospect maturation, including more detailed velocity and depth conversion studies over the structure, which has provided greater relief and closure on the structure.

The La Bella Complex

The La Bella Complex (Figures 3,4,5) presents moderate to low-risk near-field exploration opportunities and consists of the amplitude-supported Defiance and Trident prospects, immediately down-dip from the La Bella 1 gas discovery, as well as two (2) newly identified leads, Rosetta and Monarch. These structures are collectively referred to as the La Bella Complex and host a total best prospective resource estimate of 255 Bcf (283 Bcf full structure), excluding the largest structure, Monarch, which has not been evaluated at this time due to poor imaging.

Figure 3: Interpreted seismic cross-section across the La Bella Complex



The target reservoirs across the La Bella Complex are the top Waarre Formation (Waarre C), the principal play in the Otway Basin and host to the La Bella 1 gas discovery, and the deeper Lower Waarre Formation (Waarre A) which hosts discoveries at several inboard fields (Appendix 1).

Stacked reservoir objectives with separate gas water contacts are inferred for some of these leads, similar to the La Bella gas discovery which has two gas columns (one each within the Flaxmans and Waarre C reservoirs). Stacked reservoirs have also proven effective at Artisan Field and both the Waarre A and Waarre C reservoirs form stacked pay at Casino, Halladale and Blackwatch fields to the north (Appendix 1). Nearby well La Bella-1 shows a well -developed Waarre B shale interval above the Waarre A sandstone.

Figure 4: Waarre A depth structure map of the across the La Bella Complex

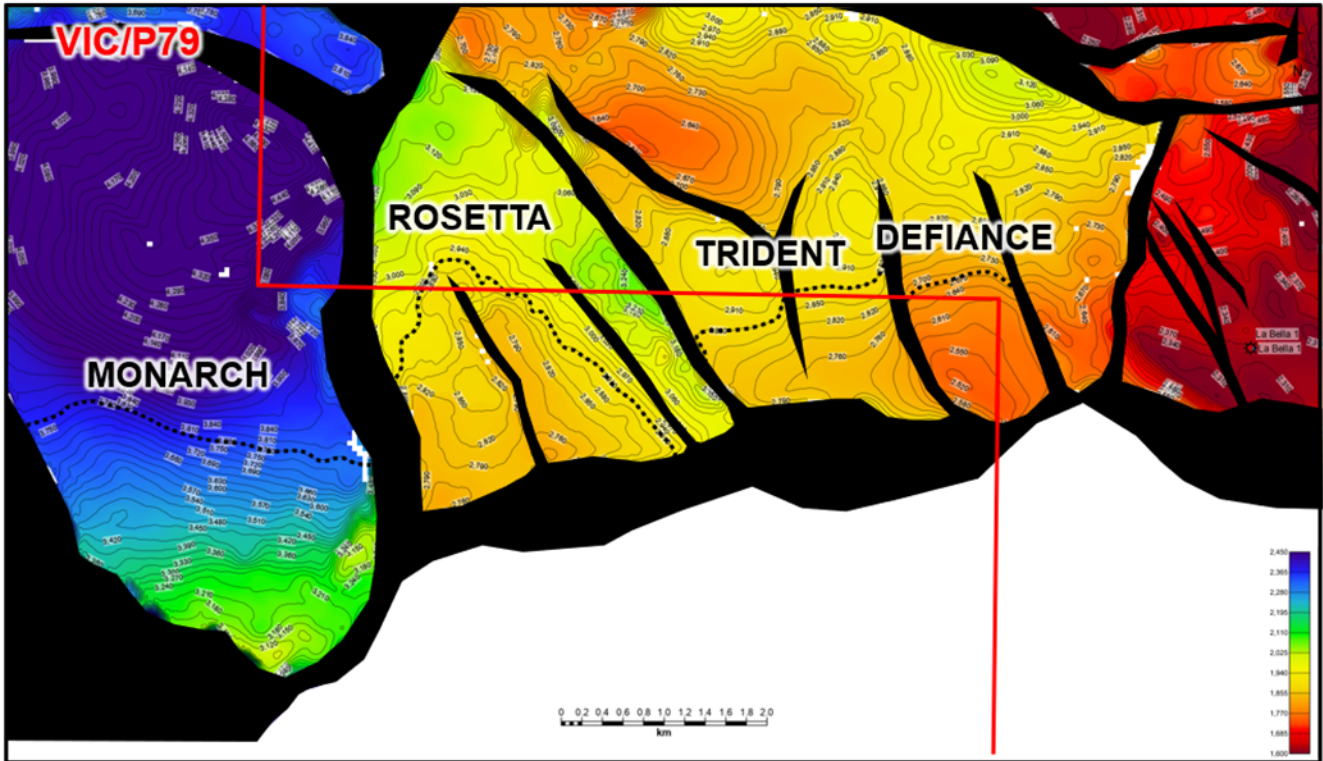
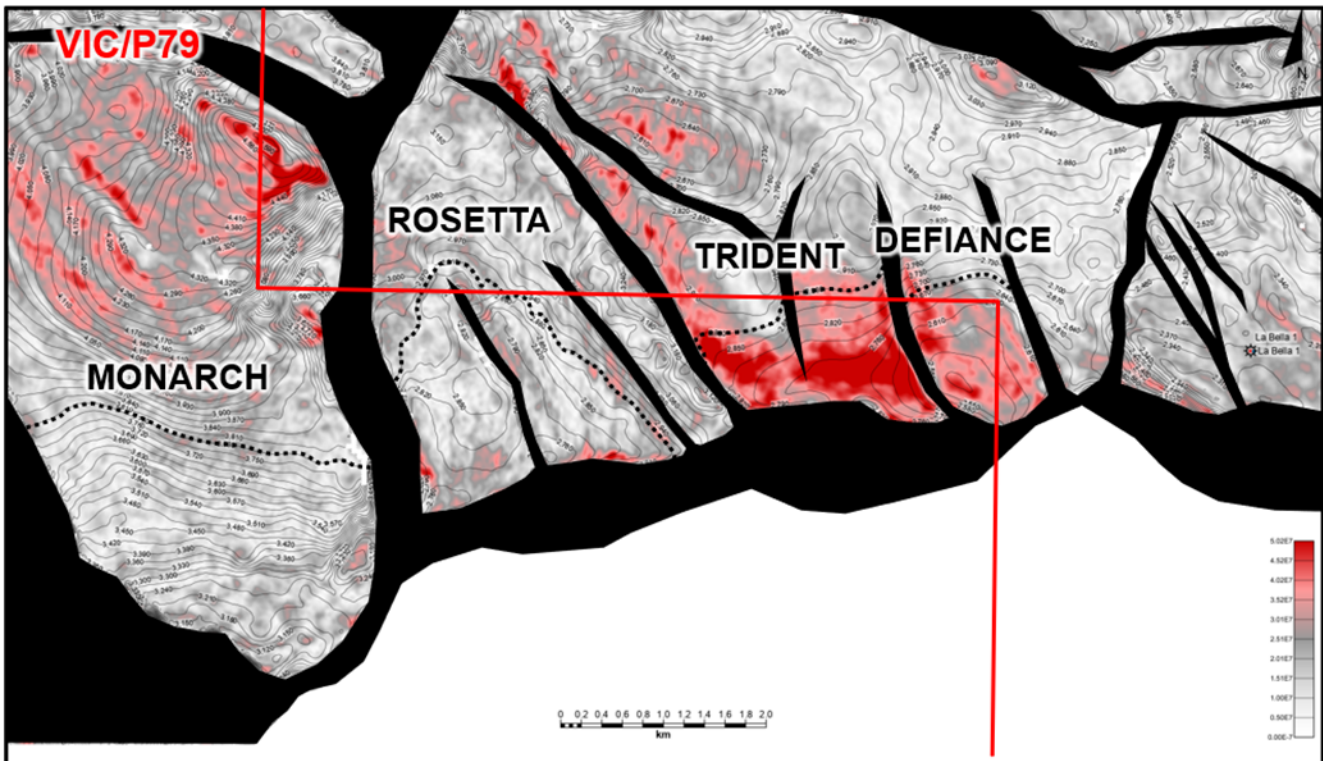


Figure 5: Waarre A RMS amplitude map across the La Bella Complex



Defiance and Trident Prospects

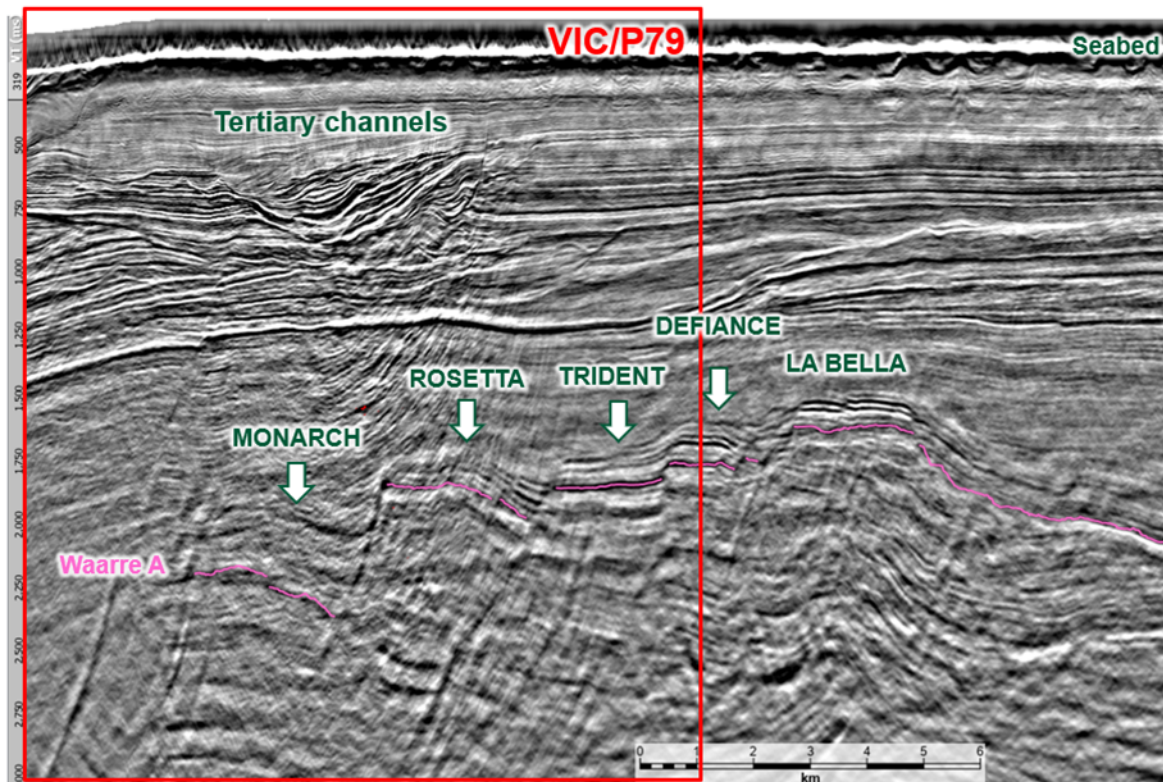
Defiance and Trident are located approximately 2km west of La Bella 1 in 90-100m water depth and both share geophysical characteristics that are strongly indicative of gas presence, like La Bella and other Otway Basin discoveries (Figures 4,5), making them relatively low risk-exploration targets. Defiance is an amplitude supported structure at both Waarre reservoirs and is further de-risked through the presence of a flat spot at the Waarre A (Figure 2), which coincides with the structural spill point. The prospect straddles the VIC/P79 and adjacent VIC/P73 permit to the east. Trident is the adjacent down-dip structure to the west and shows strong amplitude support at the Waarre A reservoir.

Prospective resource estimates for these prospects were last reported on 8 June 2022. Latest depth conversion work has enabled TDO to provide an update to those prospective resource estimates. Defiance and Trident have a combined unrisked P50 (best estimate) prospective resource of 100 Bcf (in-permit).

Rosetta and Monarch Leads

Rosetta and Monarch are fault-bound structures stepping down from Trident Prospect, 6-10km west of La Bella 1 (Figures 4,5) in 100-110m water depth. TDO interprets these structures as part of a fill-spill chain extending from the outboard kitchen up to the La Bella 1 gas discovery. Imaging of the structures on the La Bella 3D is poor, especially at Monarch, owing to a major Tertiary channel system in the overburden which significantly reduces seismic quality and prevents the observation of underlying seismic amplitudes within the Waarre Formation (Figure 6). Accordingly, these are comparatively higher risk structures, however, this may change with 3D seismic reprocessing.

Figure 6: Tertiary channel system reduces image quality at Rosetta and Monarch leads



At Rosetta, both Waarre A and Waarre C reservoirs are included in the prospective resource estimates in the absence of reliable geophysical indicators. TDO’s unrisked best estimate prospective resource at Rosetta lead 155 Bcf.

Given data quality issues and difficulties mapping seismic reflectors at Monarch, a prospective resource estimate will be completed upon reprocessing of the La Bella 3D seismic. Monarch is the largest feature by area in the La Bella Complex and could potentially have the largest volume.

Lady Robilliard Lead

Lady Robilliard straddles the eastern margin of VIC/P79 and VIC/P44 to the east and represents an extension of the amplitude supported prospects identified by Cooper Energy in VIC/L24 and VIC/P44. The structure is amplitude supported at the Waarre A reservoir and overlaps the La Bella and Casino 3D seismic surveys (Figures 7,8). Strong amplitudes are only observed on the Casino 3D, while the La Bella survey is poor quality and shows no amplitude response. This demonstrates the importance of reprocessing and the requirement for good quality data to reveal previously overlooked prospectivity. This lead is considered moderate risk and can be potentially de-risked through reprocessing of the La Bella 3D. TDO’s unrisked best estimate prospective resource at Lady Robilliard is 32 Bcf in-permit (83 Bcf full structure).

Figure 7: Lady Robilliard depth structure map

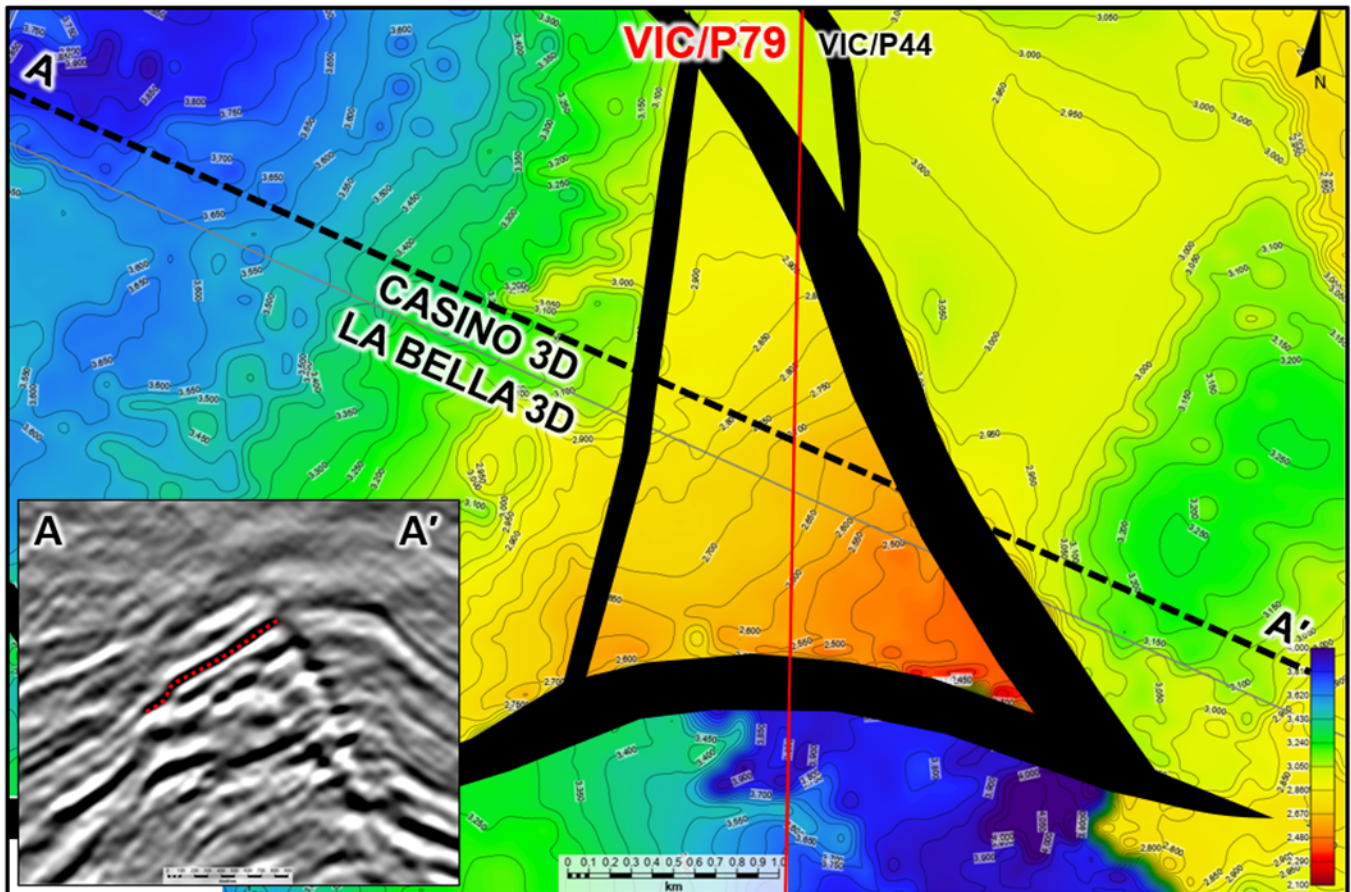
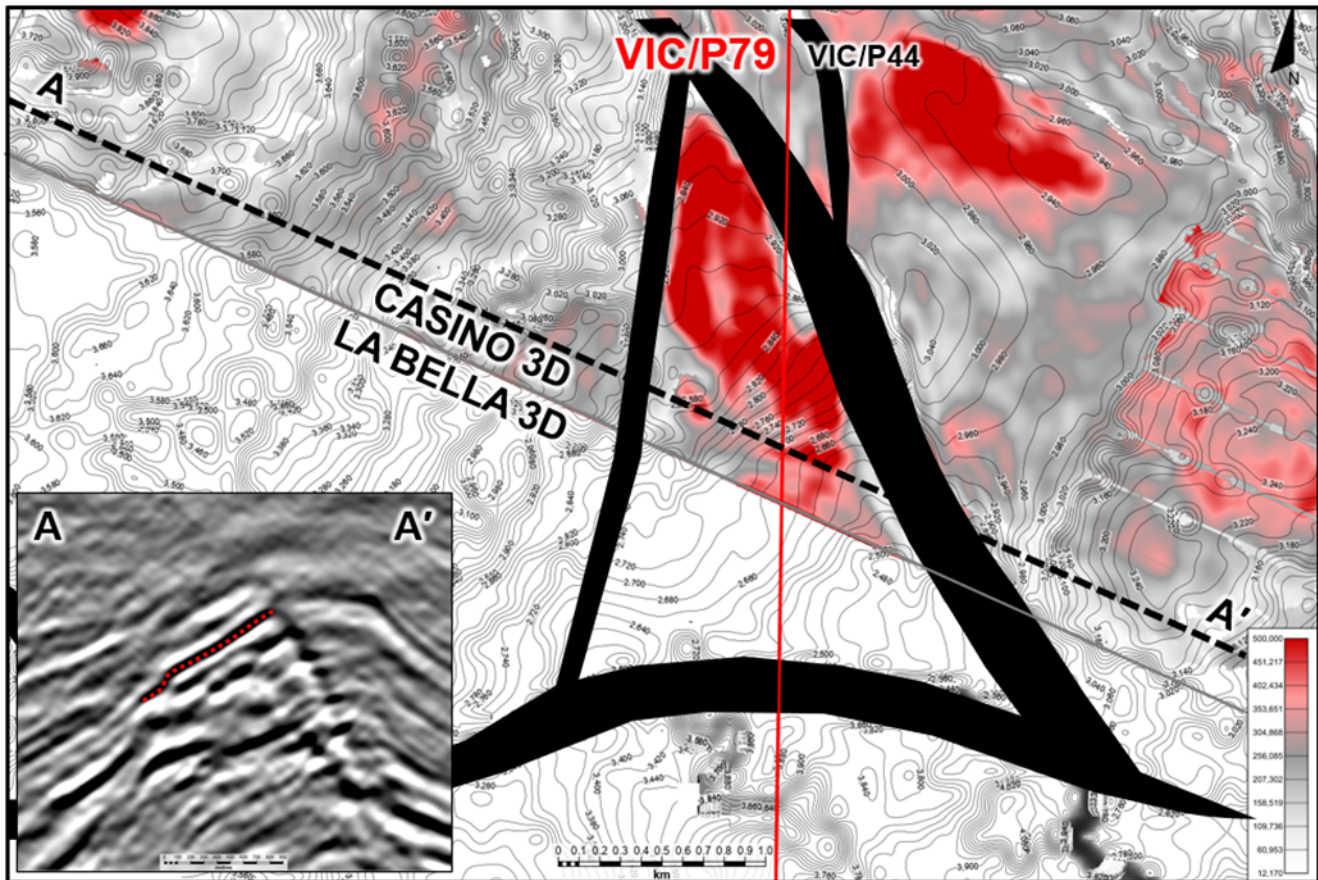


Figure 8: Lady Robilliard RMS amplitude map



VIC/P79 Seismic Reprocessing

ConocoPhillips Australia has commenced reprocessing of the entire La Bella 3D seismic survey (887km²) as well as part of the Investigator 3D seismic survey over Essington (formerly Vanguard), covering a total area of ~1,135km². This is important for fully understanding the prospectivity of the permit prior to drilling and will satisfy one of the work commitments of the primary term, which currently ends in February 2025.

Reprocessing is estimated to require 8-10 months and will be important for improving image quality and seismic attributes at key leads and prospects, including Essington. Reprocessing should provide a significant uplift of image quality along the southern end of the La Bella Complex, enabling the maturation of Rosetta and Monarch and an update of prospective resource estimates for the permit.

Northern VIC/P79 Prospectivity

3D Oil has observed multiple leads on 2D seismic over northern VIC/P79 that appear to have all the required elements for robust prospects, and work continues to characterise these leads. The principal commitment of the secondary term is the acquisition of at least 1000 km² of 3D seismic over northern VIC/P79, which will enable a full assessment of the prospectivity in the area.

Closing Comments

A strong portfolio of leads and prospects has been defined in VIC/P79 that will continue to be matured as the work program progresses. Given the dynamic nature of current work program additional specific information will be released to the market as it becomes available.

This announcement is authorised for release by the Board of Directors of 3D Oil Limited.

Enquiries

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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 unrisks 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 herein are current to the date of this ASX release. 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 Exploration Manager. He holds a PhD in Petroleum Geosciences, has been practicing as a Petroleum Geoscientist for 10 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.

Table 1: In-Permit Prospective Resource Estimate (Unrisked recoverable)

	Status	Gross Prospective Resource ¹ (Bcf)				Net TDO Prospective Resource (20%) ² (Bcf)			
		P90	P50	P10	Mean	P90	P50	P10	Mean
Essington	Prospect	159	246	357	253	32	49	71	51
Rosetta	Lead	82	155	249	166	16	31	50	33
Trident	Prospect	40	57	80	59	8	11	16	12
Defiance	Prospect	28	43	65	45	6	9	13	9
Lady Robilliard	Lead	21	32	51	34	4	6	10	7
Monarch	Lead	-	-	-	-	-	-	-	-
Total (Bcf)		330	533	802	557	66	106	160	112

¹In-Permit Gross Prospective Resource is 100% of the unrisked estimated volume of hydrocarbon that may potentially be recovered from any prospect within the permit only. The estimated quantities of hydrocarbon that may be potentially recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development.

²Net Prospective Resource is 3D Oil's interest in the unrisked estimated volume of hydrocarbon that may potentially be recovered from any prospect (20% participating interest).

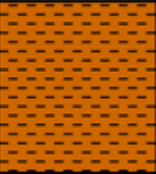
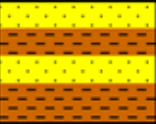

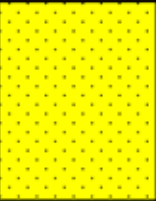

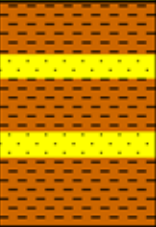
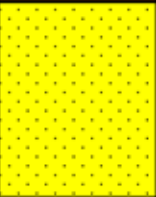


Table 2: Full Structure³ Prospective Resource Estimate (Unrisked recoverable)

	Status	Gross Prospective Resource ⁴ (Bcf)			
		P90	P50	P10	Mean
Essington	Prospect	177	267	390	276
Rosetta	Lead	82	155	265	166
Lady Robilliard	Lead	55	83	128	88
Defiance	Prospect	46	71	108	74

Three leads/prospects in the portfolio straddle the permit boundary with adjacent permits.

³Full structure prospective resource estimates consider the total volume of hydrocarbon within the structure.

Appendix 1: Shipwreck Group stratigraphy and petroleum systems in VIC/P79

FORMATION		LITHOLOGY	PETROLEUM SYSTEM	
BELFAST MUDSTONE			REGIONAL TOP SEAL	
FLAXMAN FORMATION			RESERVOIR	 <i>Artisan, La Bella, Geographe, Thylacine</i>
WAARRE FORMATION	WAARRE C		RESERVOIR	 <i>Speculant, Halladale, Blackwatch, Casino, Annie, Enterprise, Minerva, Artisan, La Bella, Thylacine</i>
	WAARRE B		SEAL	
	WAARRE A		RESERVOIR	 <i>Halladale, Blackwatch, Casino, Martha, Pecten, Netherby, Henry, Minerva</i>
OTWAY GROUP			SOURCE ROCK	

Essington, Defiance, Rosetta, Monarch

Essington, Defiance, Trident, Rosetta, Monarch, Lady Robilliard