ASX ANNOUNCEMENT

3D Oil Limited | ASX: TDO

27 June 2023

Otway Basin
Sequoia 3D Seismic Processing Complete

3D Oil Limited (the "Company"; ASX: TDO) is pleased to provide an update on the processing of the Sequoia 3D Marine Seismic Survey (MSS), acquired over T/49P between August and October 2021.

Highlights

- **Processing of Sequoia 3D seismic survey covering 1782km^2 is now complete and the high-resolution Pre-Stack Depth Migration (PSDM) deliverable has been received.**
- **Reprocessing of the 2015 Flanagan 3D seismic survey (1115km^2) has also been completed and merged with the Sequoia 3D, providing an uplift in image quality over Flanagan Prospect.**
- **These projects have been completed at no cost to 3D Oil as part of the T/49P Farm Out Agreement ("FOA").**
- **Prospect-scale seismic interpretation and attribute analysis has now commenced.**
- **The Sequoia 3D, in combination with the reprocessed Flanagan 3D, will enable the ranking of gas prospects for the upcoming Otway Exploration Drilling Campaign.**

Executive Chairman's Comments

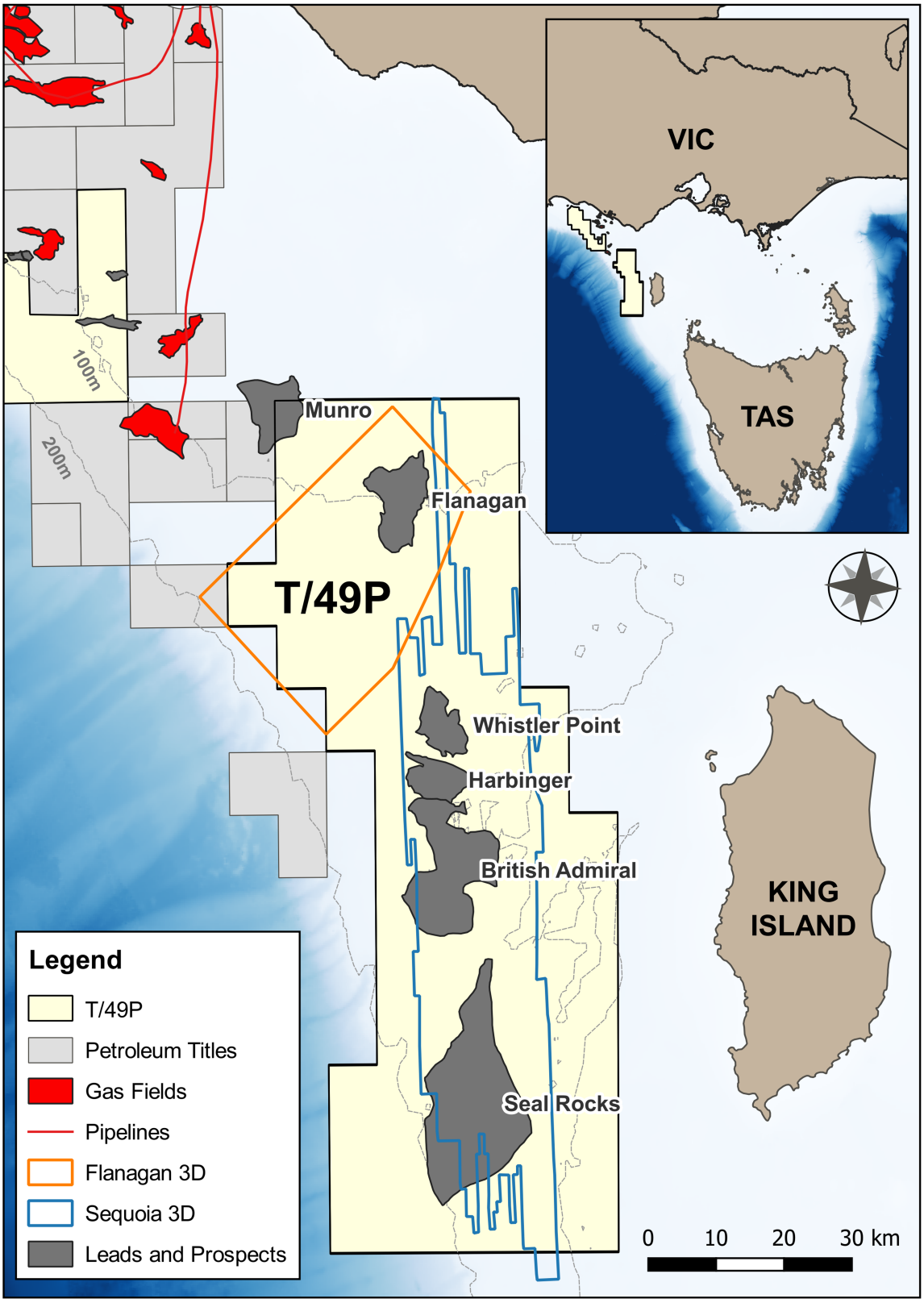
Mr Noel Newell, Executive Chairman of 3D Oil, said today "3D Oil has long recognised the significant prospectivity of this underexplored area of the Otway Basin and views T/49P as one the last places on the East Coast to potentially find significant gas resources, having an estimated 10 Tcf (20% Net Prospective Resources to TDO. Refer to ASX announcement 27-Jul-17) of prospective resources.

We are naturally very excited to receive the final processing of the Sequoia 3D seismic survey, in conjunction with the reprocessing over Flanagan. This dataset provides the key to unlock the significant gas potential within permit and further validates the company strategy to date".

Permit Background

T/49P covers an area of 4,689 km^2 within the offshore Otway Basin and contains the 1.3 Tcf Flanagan Prosect (Figure 1, Table 1), located approximately 30km from the largest gas fields in the basin, including Geographe and Thylacine (~0.85 Tcf 2P reserves). TDO's wholly owned subsidiary, 3D Oil T49P Pty Ltd retains a 20% participating interest in T/49P having farmed down 80% interest to Joint Venturer, and operator, ConocoPhillips Australia SH1 Pty Ltd (**ConocoPhillips Australia**) (refer TDO ASX release 11/6/2020).

Figure 1: Location map with the final full-fold acquisition area of the Sequoia 3D Marine Seismic Survey (courtesy of ConocoPhillips Australia)



ConocoPhillips Australia completed the acquisition of 1782 km^2 of the Sequoia 3D in October 2021 at no cost to 3D Oil, an area greater than the minimum 1580 km^2 stipulated in the FOA. The Company also received a A$5 million cash payment in recognition of previous permit expenditure. The decision was made to reprocess the Flanagan 3D (1115 km^2) and 687 line kilometres of 2D with the Sequoia processing project.

Sequoia 3D MSS Processing

The Company is pleased that the processing of the Sequoia 3D has now been completed and has received the final Phase 3 Pre-Stack Depth Migration ("PSDM") volume and velocities. The Sequoia 3D seismic survey covers ~1782km^{22} and is the largest 3D seismic survey in the Otway Basin to date.

Processing of the Sequoia 3D proved to be more complex and time-consuming than originally anticipated owing to some gaps in the data, introduced by the acquisition challenges, and significant variability in the geology across the permit. Nonetheless, the primary objective of the survey has been achieved and the Joint Venture has gained a high-resolution data set over all pre-existing leads within the permit.

Flanagan 3D MSS Reprocessing

ConocoPhillips Australia has also reprocessed 1115 km^2 of the 2015 Flanagan 3D seismic survey, covering the Flanagan Prospect in the north, in conjunction with the Sequoia 3D processing to create a merged volume across the permit. State of the art reprocessing techniques have been applied, including Full Waveform Inversion ("FWI") and de-multiple technology, to deliver an uplift in image resolution across the Flanagan Prospect. This merged dataset will support the development of a risked and ranked prospect inventory in T/49P in the lead up to drilling.

Seismic Interpretation Update

Interim seismic interpretation of Phase 2 processing has already commenced with a focus on building a structural framework and mapping shallow horizons in support of ongoing processing workflows. Now that processing is complete, interpretation will shift towards mapping key reservoir horizons to enable prospect maturation, as well as shallow horizons to assist in well design and shallow hazard assessment. A full evaluation of the previously identified prospectivity is now possible, including seismic attribute analysis.

Closing Comments

This project has involved the processing of ~2843 km^2 of 3D seismic and 687 line kilometres of 2D data and is the key to unlocking the prospectivity of the permit as we proceed towards drilling.

Additional specific information on permit prospectivity 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 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 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 BSc. Hons and 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: <u>In-Permit</u> Prospective Resource Estimate (Unrisked recoverable)

	Status	Gross Prospective Resource[1] (Bcf)			Net TDO Prospective Resource (20%)[2] (Bcf)		
		Low	Best	High	Low	Best	High
Flanagan	Prospect	530	**1340**	2740	106	**268**	548
Seal Rocks	Lead	950	**4640**	10640	190	**928**	2128
Whistler Point	Lead	820	**2040**	8950	164	**408**	1790
British Admiral	Lead	370	**1030**	4450	74	**206**	890
Harbinger	Lead	330	**790**	1430	66	**158**	286
Munro	Lead	40	**190**	570	8	**38**	114
Total (Bcf)		3040	**10030**	28780	608	**2006**	5756

[1]In-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.

[2]Net 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).

Appendix

3D	Three-dimensional
Bcf	Billion cubic feet
Tcf	Trillion cubic feet
FOA	Farm Out Agreement.
Lead(s)	A lead is a potential trap/structure that may contain hydrocarbons and required significant geological and seismic investigation.
Operator	Company responsible for the exploration, development and production of a petroleum title.
Portfolio/seriatim	An inventory of potential subsurface drill targets with varying maturity, volumes and probability of success.
PSDM	Pre-Stack Depth Migration. Important for exploration in the Otway due to structural complexity and variability in velocity within the overburden.
Prospect(s)	A prospect is a potential trap/structure that may contain hydrocarbons, usually defined on 3D seismic, and has undergone significant geological and seismic investigation to evaluate the petroleum system.
Prospective resource(s)	Those quantities of petroleum that are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations
TDO	ASX trading code for 3D Oil Limited