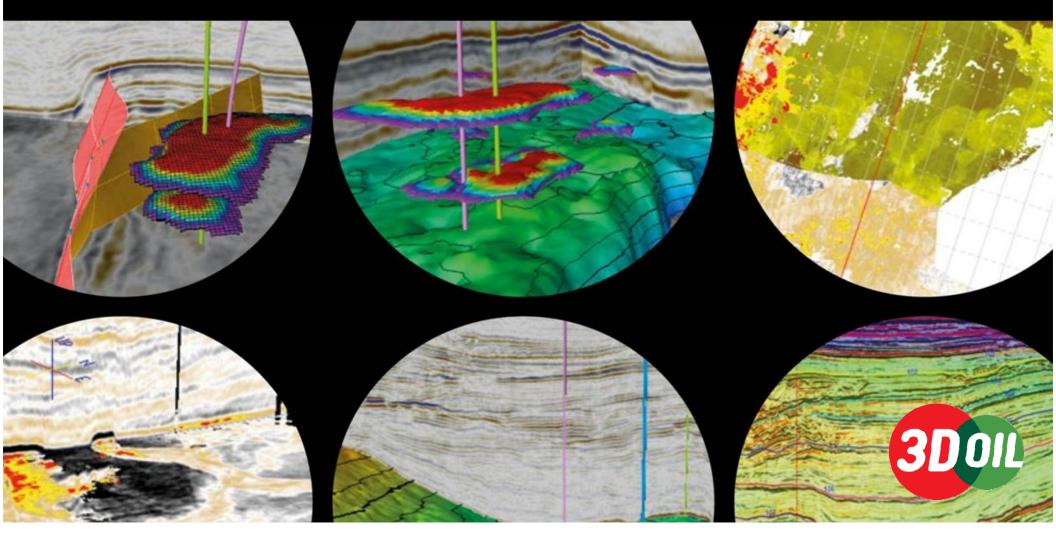
# **3D Oil Limited**

## **Australia's next Oil Producer**

**Good Oil Conference - Fremantle** 

4 September 2013



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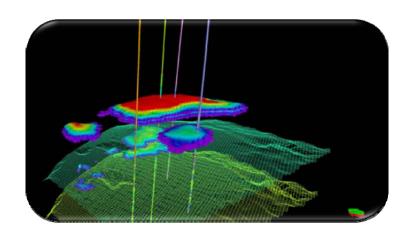
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## **Agenda**



- 1. 3D Oil Overview
- 2. West Seahorse Development
- 3. VIC/P57 Exploration
- 4. New Field Exploration (T/49P)
- 5. Conclusion





## 1. 3D Oil Overview

## 3D Oil Snapshot



An oil and gas company with exciting development plans and strong growth potential.



**Location: Southern Australia** 

### **Key Assets**

- Key asset is 49.9% of VIC/P57 offshore permit
  - Planned development: West Seahorse oil field (9.2mmbbl, 2C)
  - Leading prospects: Sea Lion and Felix
- New gas exploration permit T/49P

### **Capitalisation** (as at 30 August 2013)

	AUD	USD
Share Price	0.1	0.09
Shares	237.5m	237.5m
Market Cap	A\$23.8m	US\$21.38m
Net cash	0	0
Enterprise Value	A\$23.8m	US\$21.38m





# 2. West Seahorse Development

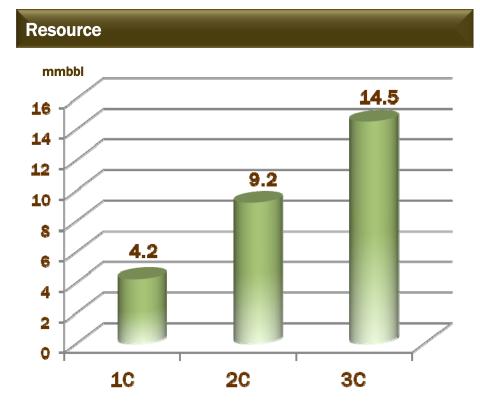
### **West Seahorse Field**



### Estimated to contain 2C contingent resources of 9.2 mmbbl.

#### Overview

- Located 14km offshore from the coast
- 35m of water
- 1,400m drilling depth
- Reserves contained within two high quality reservoirs
- Neighbouring and near identical Seahorse field has 20 year production history
- Significant Contingent Resource within Gurnard Formation



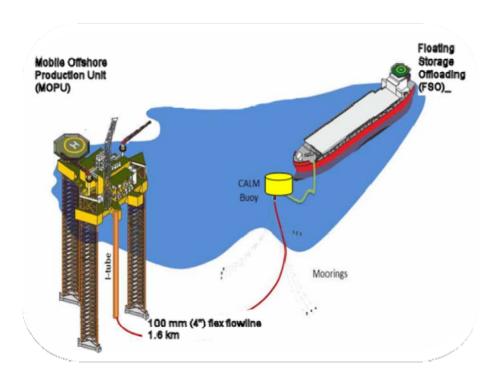
Source: Gaffney, Cline & Associates, Resource (2C) 2010. GCA are currently reviewing the volumes with the view of providing reserves in light of the likely granting of a Production Licence. 3D Oil's interest 49.9%.

## **Development Plan is now locked in**



### Offshore production is planned using a MOPU, FSO and Calm Buoy.

- Two production wells
  - Drilled and completed by a Modular Drilling Rig
  - Wells be completed on the Mobile Offshore Production Unit (MOPU)
- Production will be via a MOPU (Leased)
  - Recently acquired Jack Up (Britannia) will be converted
- Stabilised crude offloaded to a Floating Storage Offloading (FSO) vessel
- Export via 4-inch flexible flowline to a moored (CALM) buoy and flexible hose to a Floating Storage Offloading (FSO) vessel
- Hibiscus (50.1%) to be the Operator



## West Seahorse Development has a rig



### West Seahorse JV purchases jack-up

- The Britannia is a large 4 leg jack-up rig that will be converted to a MOPU
  - Suited to the harsh operating conditions of the Bass Strait
  - Previously working long term for Shell in the North Sea
- Britannia to be converted to a MOPU
  - RE-sold to a MOPU contractor near FID
  - Contractor to provide top side processing facilities
  - Intend to contract a modularised platform drilling rig to drill development wells and potentially an exploration well
- Advantages of Britannia purchase
  - Accelerates first oil to potentially last quarter 2014
  - Secures suitable rig for project at relatively low purchase price
  - ➤ Accelerates the Safety Case approval process
  - **Reduces Capital Cost of the project**

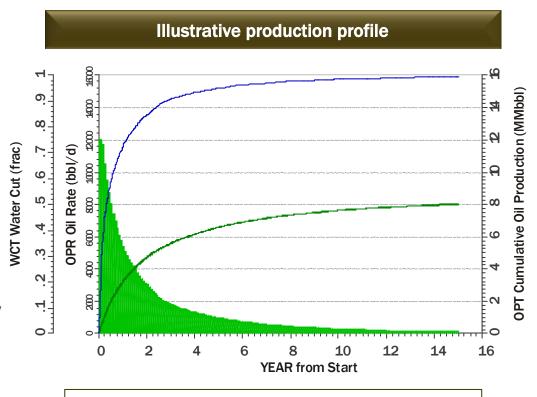


### **West Seahorse – Indicative Economics**



### West Seahorse has high early production with <1 year payback.

- Production metrics
  - 2 well production at 12,000 bopd
  - Economic field life is expected to be 4 to 6 years
  - > Total crude production 6.5 to 7.5 million barrels
- Project capex estimated at up to US\$150 million
- Project NPV in the order of A\$100+ million
  - > Equivalent to A\$20/bbl
  - Strong upside and field life extension with any nearby exploration success



Important Note: Indicative illustrative economic only.

The ultimate oil recovery dependent on economic cutoff based on oil price and operating cost factors.

## 3D Oil remains on target for drilling within 12 months



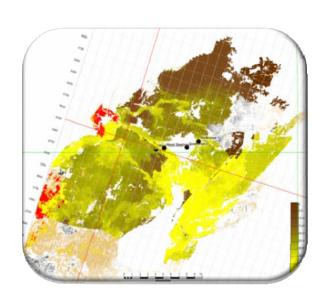
Key next steps are FID and financing prior to commencing drilling in late 2014.

Significant progress has been made in 2013				
2012	1H	2013	Current	
<ul> <li>Hibiscus farmin (December)</li> <li>NOPTA declare location over West Seahorse</li> </ul>	<ul> <li>Preliminary Field Development         Plan submitted to NOPTA     </li> <li>Farmin completed and funds         transferred     </li> <li>WorleyParsons selected as FEED         contractor     </li> </ul>	<ul> <li>Production Licence and Field         Development Plan submitted to         NOPTA</li> <li>Development Concept finalised</li> <li>Geotechnical Environmental Plan         Submitted</li> </ul>	<ul><li>Britannia Rig purchase</li><li>Submit EPBC Referral</li></ul>	

### Key next steps

2H 2013	1H 2014	2H 2014	Early 2015
<ul><li>Sign LOI for MPOU and FSO</li><li>Geotechnical surveys</li><li>FID</li><li>Secure financing</li></ul>		Drill and complete production wells	First Oil





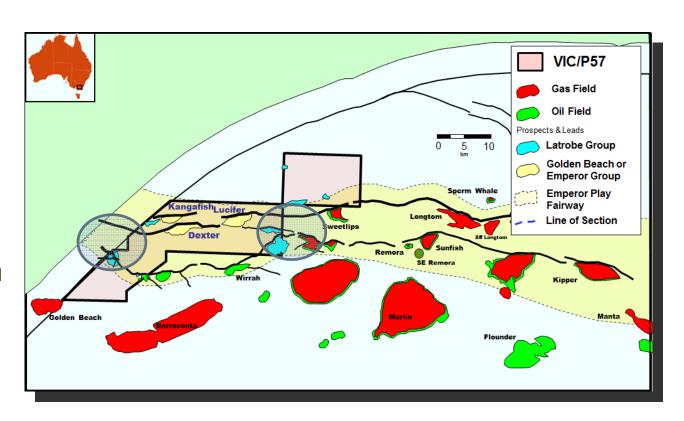
# 3. VIC/P57 Exploration

## **Exploration targets**



VIC/P57 is located on trend of a prolific 'sweet spot' in the Gippsland Basin,

- with an historical success rate in the region of better than 2 in 3.
- The permit was renewed in August 2011, and covers approximately 483km²
- 2 significant prospects identified along the 'oily' southern edge of the Rosedale Fault System
  - 1) Sea Lion
  - 2) Felix
- 9 prospects and leads identified in total along the northern edge of the Rosedale Fault System
- All prospects and leads defined by 3D seismic (reprocessed)



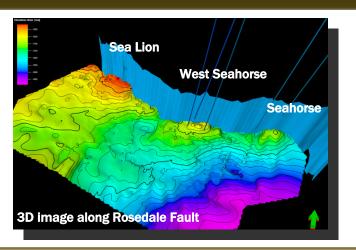
## **Sea Lion Prospect**



### Sea Lion has a best estimate prospective resources of 11 mmbbl.

- Sea Lion targets the Upper Latrobe group reservoirs, similar to the West Seahorse field
  - An independent expert has reviewed the seismic interpretation and calculated volumetrics for the prospect based on 3D Oil mapping, and using West Seahorse as a analogue for the reservoir parameters.
- Could be produced via a tie back to the West Seahorse development
- Sea Lion has significant upside potential, which may materially increase the economic value of the development.
  - A deep gas prospect is also identified

### On trend with the oil discoveries in region



### P50 of 11 million barrels

Probability	Recoverable oil (mmbbls)
P90	7.8
P50	11.0
P10	15.3

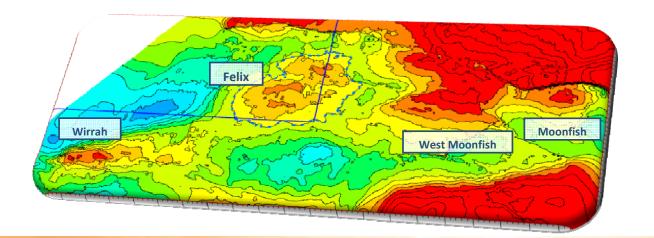
#### **IMPORTANT NOTE:**

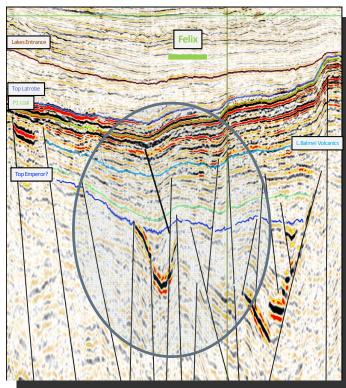
### **Felix Prospect**



### Felix has the best oil address in Australia.

- Large inversion feature along the Rosedale Fault System with potential for large oil reserves
- Located between two oil fields (Wirrah and Moonfish) and appears larger at the sub-volcanic level which contains oil in both fields
- Contains potential deep gas prospect together with the shallow oil prospect



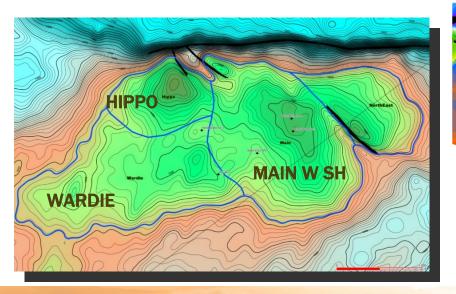


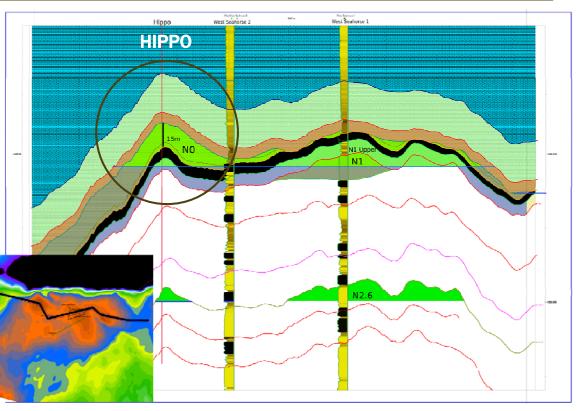
Seismic line through Felix from the new reprocessed data

## **Near Field Exploration – Hippo**

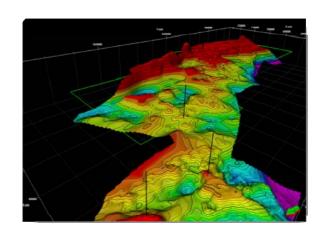


- Hippo is feature within the greater West Seahorse closure
- Potential for sand development in N-0 sand (mistakenly termed the Gurnard Formation) which was poorly developed in Wardie-1 but contained oil
- Within the Hippo and Wardie lobes there is potential of 5 MMbbl OIP within each









# 4. New Field Exploration (T/49P)

## T/49P Overview



### 3D Oil is currently 100% equity holder in T/49P

- Interpreted to contain all the geological elements required for sizeable accumulations of hydrocarbons
  - Adjacent Thylacine (1.5 TCF GIP) and Geographe (0.5 TCF GIP)
  - T49/P contains numerous leads potentially containing multi TCF
- Guaranteed Work Program
  - Year 1 Reprocess 500km 2D seismic
  - Year 2 Acquire and process 755 km2 of 3D seismic data
  - Year 3 Seismic interpretation
- 3D Oil intention is to farm down equity to an eastern states gas player

### A potentially significant Australian gas province

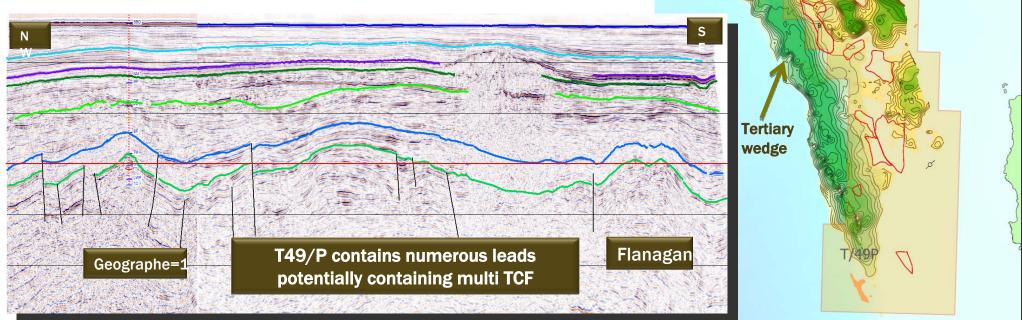


Large (4,960 km²) frontier permit Relatively shallow water (~100m)

## **T/49P Prospectivity**



- Permit has all the ingredients for an rich and active petroleum system
- Numerous large leads identified on regional 2D seismic of similar size to Thylacine
- Sequence stratigraphic analysis indicates most of the leads have good quality overlying seal
- ➤ All leads have access to significant charge from anomalously thick Tertiary wedge







## 5. Conclusion

## 3D Oil's time has arrived



After 10 years of preparation, first oil is anticipated within 18 months (early 2015).

First oil is on the horizon	<ul> <li>Final Investment Decision for West Seahorse development is targeted within 6 months</li> </ul>	
High quality partner	<ul> <li>Hibiscus Petroleum, A\$200m+ Malaysian company, is our JV operating partner and 13% shareholder</li> </ul>	
Drill rig secured	<ul> <li>JV has purchased \$15m rig to convert to MOPU</li> </ul>	
Fast development pay back	<ul> <li>Strong free cash flows anticipated within 6 months of development</li> </ul>	
Exciting medium term potential in proven fairways	<ul> <li>VIC/P57 contains low risk high impact oil features</li> <li>T/49P contains large gas features</li> </ul>	

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