

Quarterly Report – Q4 CY2018 31 January 2019

**ASX: NWE** 



# Q4 CY2018 Highlights

### TP/15 - Xanadu Discovery

- Environmental approvals process for Xanadu seismic survey ongoing.
- Targeting 1H CY2019 seismic acquisition.

#### L14 - Jingemia Oil Field

 After the successful workovers performed at Jingemia during December there are now four producing wells, with total production between 310-350 barrels of oil per day (20-22 barrels of oil per day net to Norwest).

#### **EP368 - Lockyer Deep Prospect**

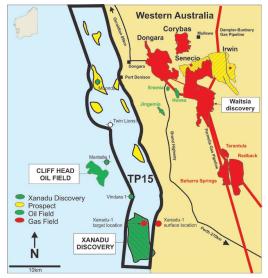
- Norwest and operator Mineral Resources are progressing plans to drill the Lockyer Deep Prospect. The Lockyer Deep subsurface model shows similarities to the neighbouring Waitsia Project, indicating the potential for a significant gas discovery.
- Plans to drill this long-awaited well are accelerating, with Operator Mineral Resources currently working on land access, long-lead tendering processes and rig selection. Current timing is expected to be Q4 CY2019, pending approvals and funding.

#### **EP413** - Arrowsmith Discovery

• Hydraulic Fracturing Report finalised with summary of response provided by Government.

### **TENEMENTS**

## TP/15 - XANADU DISCOVERY



The Xanadu Prospect is located in state waters in exploration permit TP/15, approximately 300km north of Perth, Western Australia.



Figure 1. TP/15 permit location

As Operator of TP/15, Norwest has been working on environmental approvals for the Xanadu 3D Seismic Survey since February 2018. As regulations have tightened at both state and federal levels, it has become increasingly difficult to achieve rapid approvals on any seismic program.

Although the Xanadu survey covers an area of approximately  $40 \text{km}^2$ , it is being subjected to the same degree of scrutiny as the deeper water surveys that run to over  $10,000 \text{km}^2$ , with these larger surveys posing far greater risks to the environment, and increased complexity in liaising with the fishing industry.

The window of opportunity for acquisition that commences in March extends for several months, and the expectation remains that the survey will be completed in this timeframe. Once the approval is granted, and long-lead items are ordered, the Company will have a much more accurate forecast on timing, and will notify shareholders accordingly.

Permit	TP/15		
Well Name	Xanadu-1		
Well Location	GDA 94: 29°33'29.117"S114°58'42.074"E		
Type of Well	Deviated		
NWE Working Interest	25%		
Geology	Interbedded sequence of shale and sand		

TP/15 Joint Venture	ASX Code	Percentage Interest
Norwest (via subsidiary) (Operator)	ASX:NWE	25%
Triangle (Global) Energy Ltd (via subsidiary)	ASX:TEG	45%
3C Group IC Limited (via subsidiaries)		30%

#### EP368 & EP426

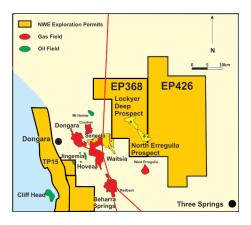


Figure 3. Location map of EP368 & EP426

EP368 covers an area of 600 km<sup>2</sup>, and is situated at the northern end of the hydrocarbon fairway running through the northern Perth Basin.

EP426 lies adjacent and to the east of EP368, covering an area of 1197km<sup>2</sup>, located on the northeastern flank of the Dandaragan Trough in the onshore northern Perth Basin.

The permits lie to the east of the Dongara township, and adjacent to Mitsui's Waitsia discovery that flowed an impressive 50 MMscf/day in 2015, and again in October 2017, with the Waitsia-3 flow test reaching a peak gas flow rate of 50 MMscf/d.

Operator Mineral Resources has been progressing plans to drill the Lockyer Deep prospect later this year, and the Joint Venture is currently finalising a drilling location. Long-lead items are currently being sourced, and land access negotiations are underway. Mineral Resources is also considering options for securing a drilling rig for the program. Once these variables are known, a budget for the drilling program will be finalised, with Norwest required to cover 20% of the costs for the well.

Norwest considers this to be an exciting opportunity, with the potential for a significant conventional gas discovery similar to neighbouring Waitsia. The well will be subject to regulatory approvals and securing the necessary funding.

North Erregulla offers an excellent follow up prospect to Lockyer Deep, straddling the two permits EP368 and EP426, and offers a future drilling opportunity.

EP368 Joint Venture	ASX Code	Percentage Interest
Mineral Resources via subsidiary, Empire Oil	ASX:MIN	80%
Company (WA) Limited) (Operator)		
Norwest (via subsidiary)	ASX:NWE	20%

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EP426 Joint Venture	ASX Code	Percentage Interest
Mineral Resources (via subsidiary, Empire	ASX:MIN	77.78%
Oil Company (WA) Limited) (Operator)		
Norwest (via subsidiary)	ASX:NWE	22.22%

## **L14 - JINGEMIA OIL FIELD**

L14 contains the Jingemia Oil Field, estimated to have initially contained 12 million barrels of oil in place, with 4.6 million barrels produced to date. The area of L14 is 39.8 km<sup>2</sup>.

The number of producing wells again increased in Q4 CY2018 after a successful well workover program. Jingemia currently has four producing wells (J4, J8, J10 & J12) online, and is producing between 310-350 barrels of oil per day (20-22 barrells of oil per day net to Norwest).

In Q4 CY2018, Norwest's share of total revenue was \$80,385 USD (approximately \$106,198 AUD).

	100	0%	Net to Norv	vest
	bbls sold	revenue (USD)	bbls sold	revenue (USD)
Oct 18	6,471	495,998	406	31,139
Nov 18	5,494	330,948	345	20,777
Dec 18	6,374	337,078	400	21,162

Quarter Four 18,339 1,164,024 1,151 73
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Table 1. Jingemia Production – Q4 CY2018.

Permit	L14			
Well Names	Jingemia – J4, J8, J10 and J12			
Well Location	J4 Easting: 305 180.9; Northing: 6 752 958.3			
	J8 Easting: 304 771.2; Northing: 6 752 778.7			
	J10 Easting: 304 770.0; Northing: 6 752 870.0			
	J12 Easting: 304 709.3; Northing: 6 752 697.8			
Type of Well	Deviated			
NWE Working Interest	6.278%			
Geology	(Dongara Sandstone) is described as a fine to coarse			
	moderately to poorly sorted sandstone			

L14 Joint Venture	ASX Code	Percentage Interest
RCMA Australia (Operator)		93.722%
Norwest (via subsidiary)	ASX:NWE	6.278%

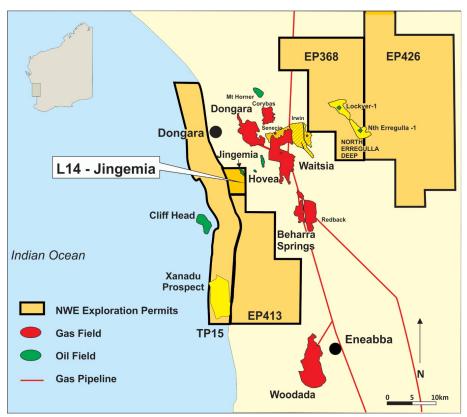


Figure 4. Location of L14 – Jingemia Oil Field

## **EP413**

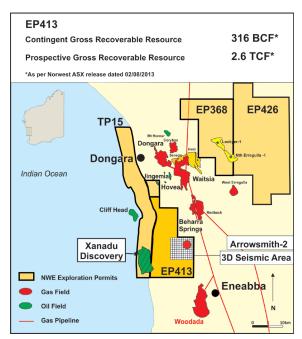


Figure 5. EP413 Permit Location Map

EP413 is located approximately 300km north of Perth between the townships of Dongara and Eneabba. The permit covers an area of 508km², extending from immediately north of L4/L5 which hosts the Woodada Gas Field, to the southern boundary of L14 in which the Jingemia Oil Field is located.

On 27<sup>th</sup> November 2018, the Western Australian State Government released the report on the scientific inquiry into hydraulic fracture stimulation, along with its response to the report.

Although the report identified that the activity is considered safe, and the moratorium was subsequently lifted, the Government response included a statement that there are a range of regulatory reforms to be developed and implemented, and until finalised, it will not be possible to carry out any hydraulic fracture stimulation programs. Timing on this is uncertain.

This is despite the fact that Norwest conducted the successful campaign at Arrowsmith between 2012-2014, demonstrating that hydraulic fracture stimulation can be carried out in a safe manner. Additionally since this time, Norwest has continued to gather baseline data to demonstrate its ongoing compliance.

Norwest will continue to work closely with DMIRS to ensure the safe development of unconventional resources in Western Australia, and in particular, the northern Perth Basin.

Norwest Joint Venture partners Mitsui and Bharat PetroResources remain committed to further exploration of this permit, however progress will remain on hold until the Government finalises its regulatory reform process.

EP413 Joint Venture	ASX	Percentage
	Code	Interest
Norwest (via subsidiary) (Operator)	ASX:NWE	27.945%
Mitsui & Co Ltd		44.252%
Bharat PetroResources Ltd		27.803%

### **Norwest Portfolio**

Norwest Tenement Interests				
Permit	Location	Type of Permit	Area (100%)	Norwest (%)
NORTHERN PERTH BASI	N			
EP368	Perth Basin, WA	Onshore	600.3 km <sup>2</sup>	20%
EP426	Perth Basin, WA	Onshore	1,197 km²	22.22%
EP413	Perth Basin, WA	Onshore	508.3 km <sup>2</sup>	27.945%
L14	Perth Basin, WA	Onshore	39.8 km²	6.278%
TP/15	Perth Basin, WA	Offshore	645.8 km <sup>2</sup>	25%
TOTAL AREA NET TO NORWEST 1,176.4 KM2				
TIMOR SEA				
AC/L6 (ROYALTY)	Vulcan Sub-Basin, NT	Offshore	252.1 km <sup>2</sup>	1.25% ORRI

## Corporate

#### **Board Changes**

Mr Michael Fry resigned as Chairman of the Board in Q4 CY2018 and Mr Ernie Myers was appointed as his replacement to the position of Non-Executive Chairman. Ernie has more than 40 years' experience in the natural resources sector, and has held senior, executive and non-executive roles with oil and gas and other ASX-listed companies throughout his career.

### Corporate Advisor

As announced on 18 September 2018, the Company appointed KPMG Corporate Finance (**KPMG**) as its corporate adviser to assist the Board identify and implement initiatives to maximise the value of the Company's asset portfolio.

The Company is pleased to note the increased corporate activity within the Perth Basin over the past six months and considers Norwest's asset portfolio to be an attractive package for investors and companies looking for exposure to the increasingly popular Perth Basin region.

The Company advises the KPMG engagement has now concluded. The Company is continuing its ongoing project and corporate level review (see ASX Announcement dated 5 October 2018) and will keep shareholders informed of the outcomes of the Company's review in due course.

Norwest Energy NL

**Funding** 

Although the Board is excited for the progress expected to be made in CY2019, the expected work programs referred to in this Activities Statement are likely to require funding beyond

the Company's current cash position.

The Company's Management and Board are investigating a number of fundraising options to

finance these work programs. These fundraising options may include full or partial asset sales

(or farm-down agreements), debt or convertible debt instruments, and/or issuing additional

equity.

In investigating these funding options the Board remains mindful of existing Shareholders and

will endeavour to secure the necessary funding in a manner that is in the best interests of all

Shareholders.

The Company will keep Shareholders informed of any developments in due course.

<u>Issued Capital</u>

Issued capital as at 31 December 2018:

Ordinary shares

3,382,092,727 shares

Unlisted options

21,200,000 options

**Investor & Corporate Inquiries** 

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