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25th November 2014

The Manager Company Announcements Office Australian Securities Exchange 20 Bridge Street SYDNEY NSW 2000

#### **New Investor Presentation**

Please find attached an Empire Oil & Gas (ASX: EGO) ASX announcement on a new Investor Presentation.

Yours sincerely

Ken Aitken

**Chief Executive Officer** 

For further information: Paul Armstrong/Nicholas Read Read Corporate +61 8 9388 1474

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### Investor Presentation

25 November 2014

# Building a NEW Empire in the Perth Basin



EMPIRE OIL & GAS NL

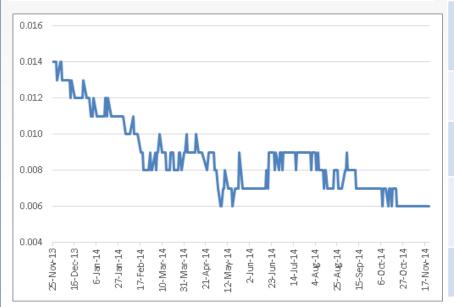


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- Unless otherwise indicated, the statements contained in this Investor Presentation about both the EP 389 Joint Venture and Empire's reserves and contingent resources estimates have been compiled in accordance with the definitions and guidelines in the 2007 SPE PRMS. This information is based on, and fairly represents, information and supporting documentation prepared by Mr Ian Paton, who has consented to the inclusion of this information in the form and context in which it appears in this report. Mr Paton holds degrees in Geophysics (BSc (Hons)) and Petroleum Engineering (MPet Eng) and has over 35 years of experience as a specialist geophysicist with extensive experience in petroleum field exploration and development, and he is also a qualified petroleum reserves and resources evaluator and member of the Society of Petroleum Engineers. Mr Paton is a consultant to Empire Oil and Gas NL. Prospective Resource estimates have been provided by Milton Schmedje who holds a degree in Geology (BSc Hons), and who has 30 years experience as a petroleum geologist and is a member of the American Association of Petroleum Geologists (AAPG).

### Corporate Overview

ASX Code	EGO
Shares on Issue	6,294,307,442
Options on Issue (Expire 30 Nov 2014)	140,000,000
Share Price (@ 21 Nov 2014)	\$0.006
Market Capitalisation	\$37.7M
12-month range (closing price)	\$0.014 - \$0.006
Debt <sup>1</sup>	\$3.75M



#### **Key Assets**

#### **Red Gully Gas & Condensate Plant:**

Production: ~ 8TJ/day plus ~ 360 barrels of condensate/day

#### **Exploration acreage in Perth Basin:**

• 11 permits: total acreage ~12,000 sqkm²

#### **Board & Management**

Tony Iannello, Non-Executive Chairman

Over 30 years of banking and energy experience

#### Ken Aitken, Chief Executive Officer

Over 30 years experience in oil and gas including senior roles with Origin, Mitsui, Apache and New Standard Energy

#### **Brett Heading**, Non-Executive Director

Specialised in corporate law for over 25 years

#### Stuart Brown, Non-Executive Director

Petroleum geologist with over 30 years experience in Australia and overseas

#### **Tim Spencer**, Chief Financial Officer & Company Secretary

Over 20 years finance, accounting and governance experience in the resources industry

#### Milton Schmedje, Exploration Manager

Petroleum geologist with over 30 years experience in Australia

<sup>1</sup> Debt represents the outstanding principle under the ERM Credit Facility at 31 October 2014 which was \$3.0 million. A further \$0.75 million was drawn down during November, increasing the outstanding principle to \$3.75 million. Interest accrues on the loan at an arms-length commercial rate. In addition, at 31 October 2014, Empire owes approximately \$8.4 million in gas to Alcoa under the pre-paid sales agreement.

<sup>2</sup> Includes ERM's EP 467 as part of the proposed transaction. Information represents all granted Exploration and Production Licences in the Perth Basin as per Encom-GP Info Petroleum Permits of Australia 2014.





### 1. Strategy





### Empire's Strategy for Success



#### Experience

Production a key point of difference

Unlocking highly prospective exploration acreage

Perth Basin business drivers

- Highly experienced management and board
- Significant Perth Basin exploration and production experience
- Red Gully field in production for more than 12 months
- 11PJ¹ of 2P reserves as of 1 October 2014
- Focus on conventional high margin onshore Perth Basin oil and gas plays
- Empire to hold approximately 50%<sup>2</sup> of Perth Basin acreage post ERM deal
- Aggressive exploration drive planned, subject to funding
- Strong WA gas market
- Close to Dampier to Bunbury Gas Pipeline with retail and mining customer potential
- Recent AWE discovery adjacent to Empire's North Perth Basin permits
- Unconventional gas prospects provide significant long term value potential

<sup>&</sup>lt;sup>1</sup> As assessed in the Independent Expert Report dated 3 November 2014, attached to the Empire Oil & Gas NL – 2014 AGM Notice of Meeting

<sup>&</sup>lt;sup>2</sup> Information represents all granted Exploration and Production Licences in the Perth Basin as per Encom-GP Info Petroleum Permits of Australia 2014.

### 2. ERM Transaction





### ERM Deal – Summary

#### What's being purchased from ERM:

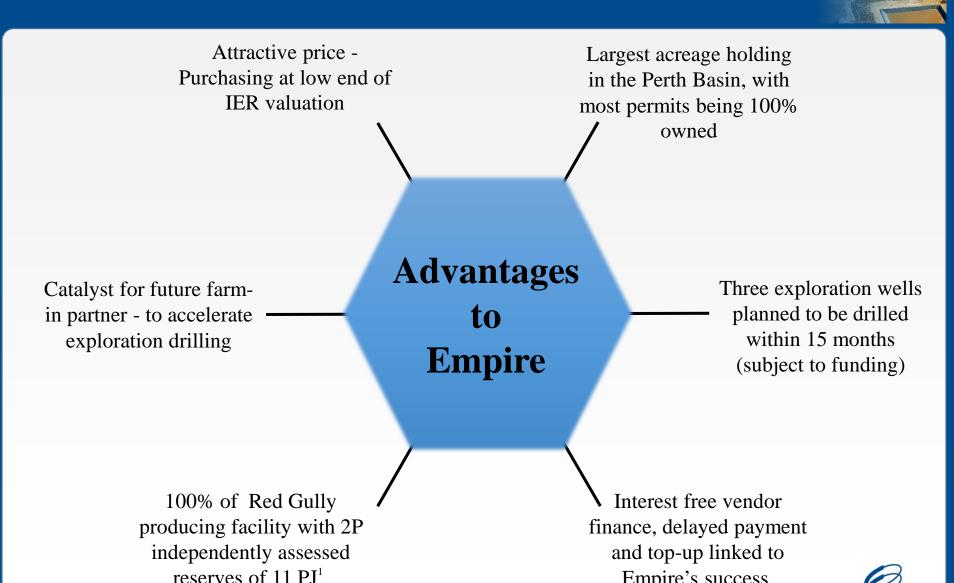
- Interests in Perth Basin tenements including the flagship Red Gully project
- Production licences associated with the Red Gully project
- All plant and equipment
- Interests in Cattamarra Farms Pty Ltd



#### **Details of Transaction:**

- Purchase price of \$15.1 million
- ERM providing vendor finance to cover purchase
- Repayable on the sale of the Red Gully Plant or 31 August 2016 whichever is earliest, or earlier by Empire giving 120 days notice
- Interest free rate on vendor finance
- Top up mechanism based on improvement in Empire share price over 0.8 cents, capped at 70% of any increase
- ERM to lift interest to 19.99% subject to maximum equity placement and subscription of \$7.5 million. Proceeds used to repay credit facility
  - If the VWAP is 0.6 cents no additional cash received through placement
  - If the VWAP is 0.8 cents then approximately \$1.4 million is raised
- Issue price 12.5% discount to 10 day VWAP to 11 December.

### ERM Deal - Delivers significant advantages



Empire's success.

## Independent Expert – Transaction opined to be fair and reasonable



#### Valuation<sup>1</sup> Summary:

EP 389 & Red Gully represent significant value:

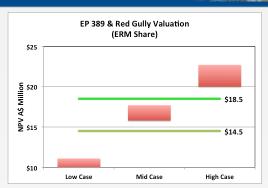
- Low, mid and high case volumes provide value ranging from \$9.8 to \$22.7 million
- Assessed market value \$14.5 to \$18.5 million.

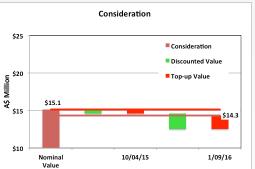
Interest free vendor finance with nominal value of \$15.1 million:

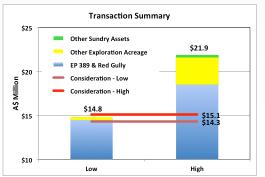
- Discounted value at 10.5% per annum
- Black-Scholes option pricing model to value Top-up mechanism
- Repayment valued between \$14.3 and \$15.1 million.

Total transaction assessed to be at the low end of the market value range:

- Total transaction valued at \$14.8 to \$21.9 million
- Transaction assessed to be at 3.5% to 31% discount to total asset value.







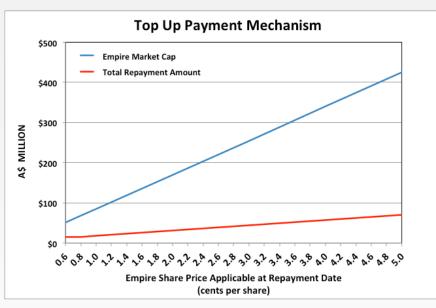


### Demystifying top up payment



The top up mechanism is based on future share price appreciation until interest free vendor finance is repaid.

- No top up if share price  $\leq 0.8$  cents per share
- Top up escalates at 70% of increased share price above 0.8 cents per share;
- A 100% increase in share price (1.6 cps) would result in a total repayment of \$25.7 million
- This requires an equivalent Market cap of ~ \$136 million<sup>1</sup>
- A Black-Scholes option pricing model based on a spot price of 0.65 cents and an assumed volatility of 50% values the top up at \$0.6 to \$1.8 million



#### Potential options available to Empire for repayment include:

- Debt finance against proven reserves or the Red Gully plant
- Sale and lease of plant
- Further equity raising



## Independent Expert – Assessed reserves and resources

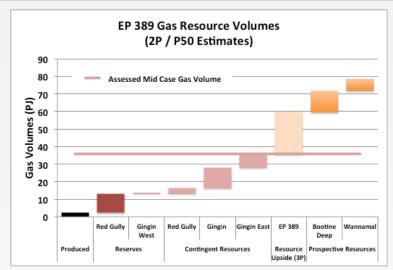


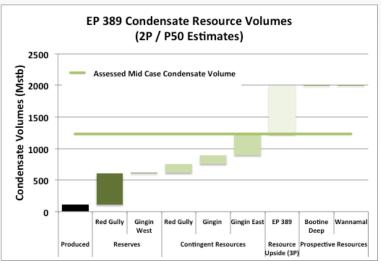
#### Independent resource assessment:

- Initial subsurface model updated by material balance assessment
- Red Gully reserves and contingent resources in line with previous estimates
- Remaining production life of 9 − 21 years at current production rates
- Additional 2PJ can be realised through facility upgrade

#### Empire's plans for further reserve assessments:

- Red Gully-1 B sands will have produced for 6 months in mid December and continues to produce at stable rates
- Empire plan a third party independent reserve study using pressure data from Red Gully-1 in December 2014
- This information is expected to be available in late January 2015.







### 3. Production





### Red Gully Production - Gas/Condensate + LPG

Red Gully

Condensate to BP Kwinana Gas Transported Via DBP pipeline to Alcoa Potential to increase production capacity and add LPG stripping



#### **Production**

- Red Gully-1 well producing ~ 8TJ/day since B Sand online
- Gingin West-1, back-up well
- Legacy issues being addressed
- Plant uptime improved to over 96% (excluding planned downtime)
- Space for plant expansion



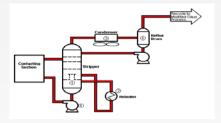
#### **Condensate**

- Condensate sales contract with BP
- Closest oil/gas facility to City of Perth
- Lower transportation costs
- 150km all bitumen road to BP Kwinana refinery
- ~ 360 barrels of condensate per day



#### **Gas Export**

- JV own ~ 2km pipeline connecting to DBP
- Long term relationship with gas customer Alcoa
- 1<sup>st</sup> tranche of gas repaying Alcoa prepayment
- Expected to be repaid September/October 2015 based on current plant and well performance
- Pipeline provides access to multiple customers and strong gas market.



#### **Production Hub Potential**

- 4 prospects within 4 km radius
- Plant not initially designed to process LPG
- 12 tonnes of LPG (Autogas Propane/Butane) value not being realised
- Local auto gas market in Perth
- Feasibility study being progressed. Potential new revenue stream.

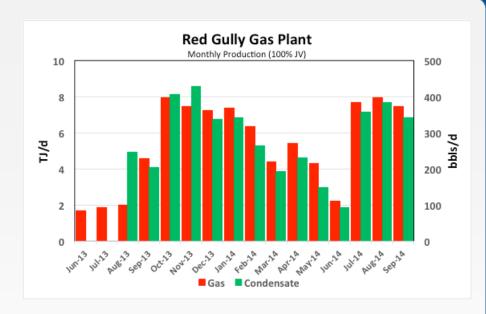


### Empire's production performance



#### Over 12 months of Red Gully production:

- Commissioning completed in September 2013
- Initial production from Red Gully-1 D Sands
- Declining production and increasing water cut and flow instability
- Red Gully-1 B Sands successfully perforated and tested in June 2014
- Stable production over the September 2014 Quarter
- Cash received from condensate sales for 12 months ended September 2014 of \$7.6 million (Empire share)



#### **Future sales:**

- Gas sales up to September/October 2015 expected to extinguish Alcoa pre-payment
- From then, gas sales plus condensate sales (assuming 100% ownership) expected to produce cash revenue of approx. \$25 million per annum\*



<sup>\*</sup> Assumes Brent benchmark condensate price of \$85 USD/bbl; and exchange rate of \$1 AUD = \$0.87 USD

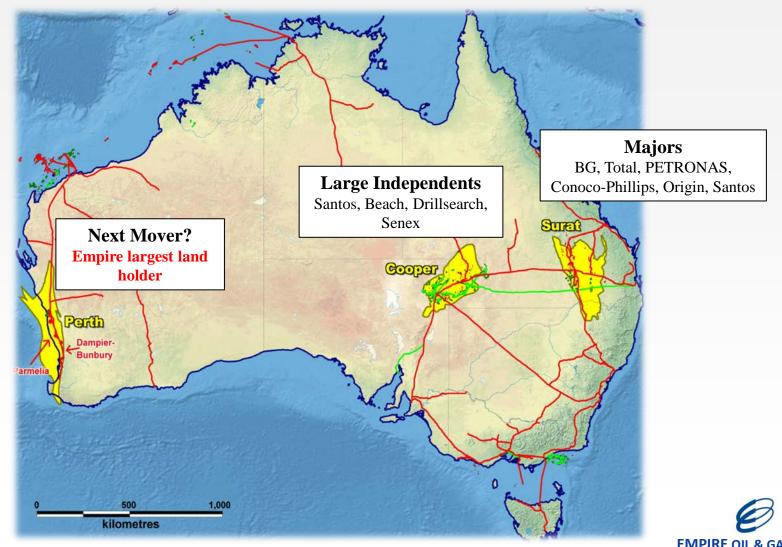
### 4. Exploration



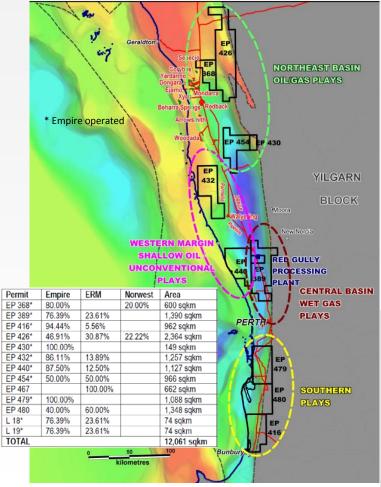


### Australia's three major onshore Petroleum Basins

Prolific hydrocarbon basins located close to well developed infrastructure and markets



### Strategy – Refocusing on the Perth Basin



#### Perth Basin - Core Focus Area

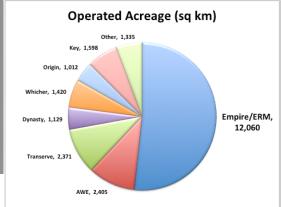
- 11 exploration tenements
- Proven petroleum systems with diversity of hydrocarbon plays
- Four focus areas

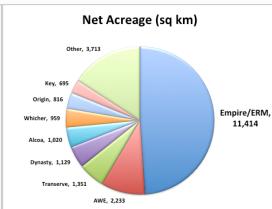
#### The ERM Transaction results in

- Acreage covering approx. 12,000 sq km
- High equity (80% to 100%)
- Ability to attract new farminee, while
  - Maintaining material equity position
  - Securing additional funding
  - Attracting potential farm-in premium (promote)
  - Progressing the exploration program

#### Carnarvon Basin tenements being sold

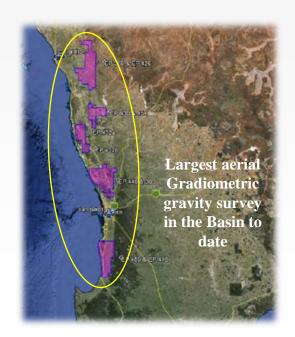
Enables Empire to focus on unlocking value in the Perth Basin





### Building the prospect inventory





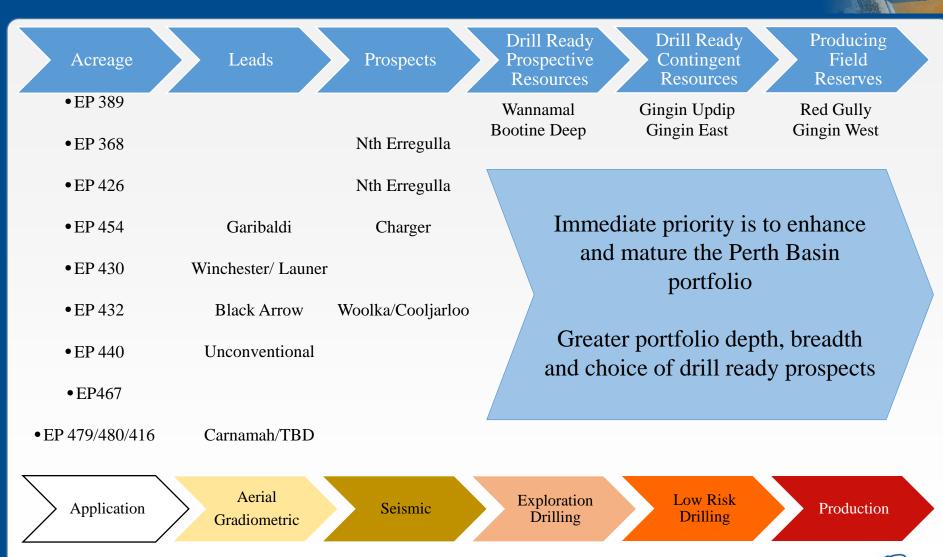
- Outside of those areas with existing 3D seismic, there is insufficient sub-surface image data available to support risk covered drilling
- Urgent need to improve sub-surface imaging over large area of under explored acreage
- Large scale 2D or 3D seismic is capital intensive, and
  - Requires long lead times
  - Comprehensive environmental approvals
  - Land owner access agreements
- Airborne gradiometric surveying is
  - Cheaper
  - Faster
  - Lower environmental and landowner impact

#### Most efficient means to:

- Accelerate and enhance exploration of all Empire acreage, and
- Building a rich lead and prospect inventory



### Leads and prospects inventory 'funnel'





### EP 389 - Near field exploration potential

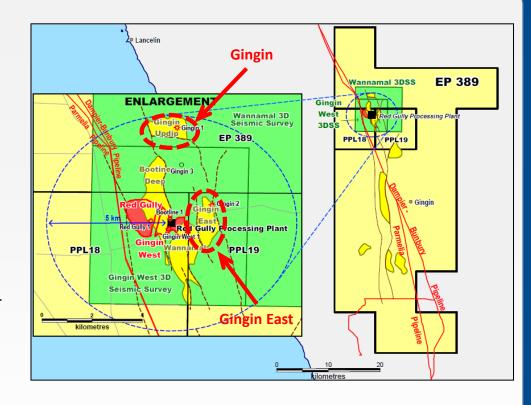
Four high quality exploration prospects
3D seismic coverage
Close proximity to existing facilities
Low cost development potential

#### Gingin

- Updip of existing Gingin-1 discovery
- Empire's preferred prospect
- 2C Contingent gas resources 16.7 Bcf\*
- 2C Contingent condensate resources 184
   KBBL\*

#### Gingin East

- Gas encountered in Gingin-2
- 2C Contingent gas resources 11.1 Bcf\*
- 2C Contingent condensate resources 498 KBBL\*
- Bootine Deep and Wannamal prospects provide further exploration upside

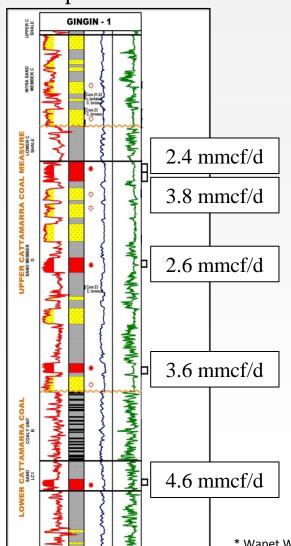




### Gingin Updip - a low risk exploration target



#### Historic proven flow rates\*



#### Gingin-1

- 1960's discovery
- Old well, drilled with heavy mud and old technology
- Used poor engineering practices and poor completion

BUT Combined total flow 16.6 mmcf/d

#### Planned well to be drilled 470m from Gingin-1

- With modern technology additional potential exists
- Further sand perforations likely to yield additional commercial flow rates



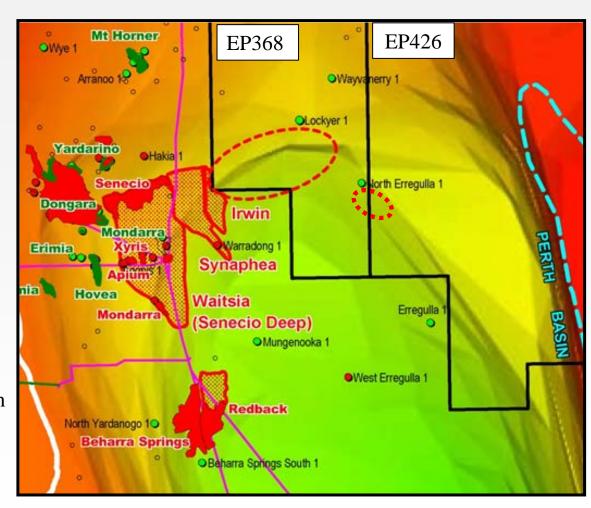
### AWE's recent large Perth Basin discovery

#### AWE Senecio/Waitsia\*

- Reported to be the largest gas discovery in the Perth Basin since the 1960's
- Initial 2C Contingent Recoverable
   Resources 360 Bcf
- Additional Prospective
   Recoverable Resources 420 Bcf
- Additional drilling (Irwin-1) planned for 1H 2015

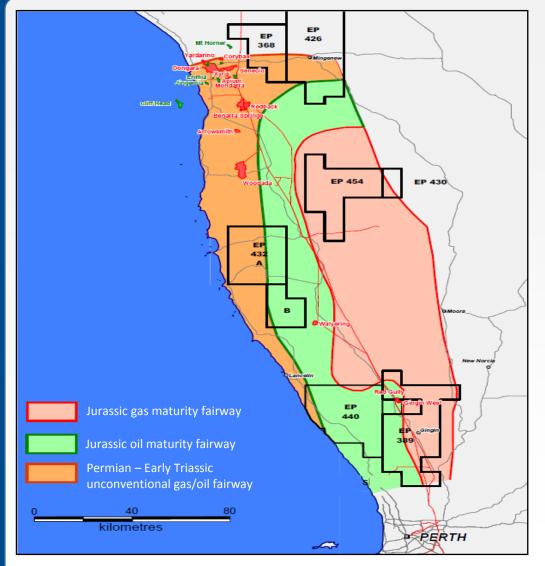
#### **Empire**

- Assessing potential play extension into EP368
- Positive implications for Nth Erregulla prospect (EP 368/426)





## Emerging unconventional potential in Empire acreage



- Empire holds extensive acreage with unconventional resource potential
- AWE hold permits between Empire's EP 432, 389 & 440 and EP's 368 & 426
- Recent drilling in AWE's adjacent acreage has confirmed the unconventional potential of the Perth basin
- AWE has undertaken an independent technical assessment of unconventional potential
- Gross unconventional resources in AWE's adjacent acreage are estimated at 11.1 TCF and 31MMbbls\*
- The AWE identified fairways are likely to extend into Empire's acreage



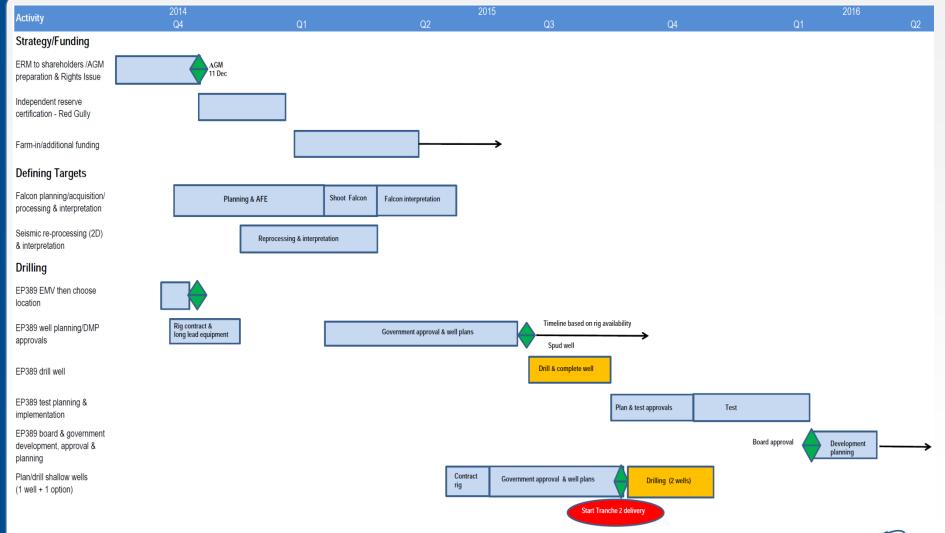
### 5. Catalysts & Summary





### Key catalysts





### ERM Transaction - a catalyst to unlock value



### If transaction is NOT approved:

- Empire will remain funding constrained and ERM's repayment is required by 30 June 2015
- ERM support for the rights issue may not be as strong
- Reduced ability to attract quality farm-in partners or investors
- Need to find additional funding or reduce exploration program
- Risks loss of permits if exploration program not carried out



## Rights Issue after ERM transaction provides immediate capacity to drive exploration



 Rights Issue of \$10 million at same price of placement to ERM

Use of funds (1st half 2015)	
	Full rights subscription of \$10 million
Sub-surface imaging & 2D/3D re-processing	\$4 million
Planning & long lead equipment for EP 389 well	\$2 million
Stamp duty and petroleum registration costs on ERM transaction	\$0.5 million
Working capital (Red Gully and other)	\$3.5 million \$10 million

(Drilling to be funded via debt finance, Red Gully plant sale, farmin, investor placement or equity raising).



### Summary – Why Invest in Empire

- Major player in the under-explored Perth Basin
- Highly prospective tenements
- Operator with production at Red Gully
- Red Gully provides new production hub potential
- Experienced Board and Management Team
- Supportive major shareholder
- ERM deal allows Empire to drive value through exploration

