

17 April 2015

ASX Company Announcements Office

**Icon Energy Ltd Presentation**

Please find attached copy of a presentation to be delivered to the UGAS conference in Brisbane on 17 April 2015

Yours faithfully

A handwritten signature in black ink, appearing to read "Ross Mallett".

**Ross Mallett**  
Company Secretary

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**UGAS Conference  
17 April 2015  
BRISBANE**

**Richard Holliday  
Commercial Manager**



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The presentation refers to information on certified contingent and prospective resources previously released to the market. Icon is not aware of any new information or data that materially affects the information included in the announcements released on 19 June 2014 and 27 March 2015. All the material assumptions and technical parameters underpinning the estimates in the announcements continue to apply and have not materially changed. Resource estimates were evaluated in accordance with the Petroleum Resources Management System (PRMS). Probabilistic estimates have been made for each target formation and these have been statistically aggregated.

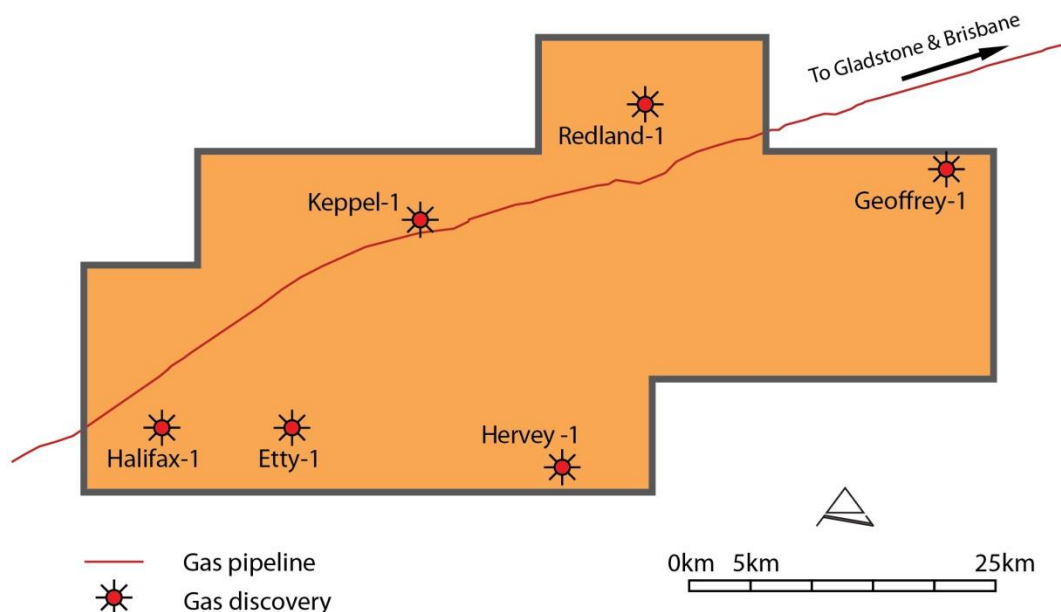
All references to dollars, cents, or \$ in this document are to Australian currency, unless otherwise stated.

Capital Structure	
ASX Ticker	ICN
Shares on issue (April 15)	615,624,176
Share price (15 April 15)	A\$0.060
Market capitalisation	A\$ 36.93 million
Cash (December 31)	A\$20.9 million (no debt)



## Icon Energy holds 35.1% interest in ATP 855 (1,674sqkm) located in the Nappamerri Trough in the Cooper Basin

- Discovered continuous basin centered gas play
- Drilled six deep unconventional tight sands and shale gas wells
- Six petroleum discoveries; Halifax-1, Keppel-1, Redland-1, Etty-1, Hervey-1 and Geoffrey-1
- Halifax-1 4.5MMScf/d highest flow rate of shale gas well in Cooper Basin
- Keppel-1 gas flowed to surface without stimulation
- Sales and raw gas pipeline traverse ATP 855
- Thicker formations: REM > 500 metres, Patchawarra < 900 metres
- Over pressured zones



**Icon Energy share 35.1%**

1. Geographically and vertically delineate target zones ✓
2. Test fracture stimulation techniques and technologies for optimal design ✓
3. Identify and prioritise play types for future appraisal activities ✓
4. Flow gas and test deliverability ✓
5. Increase 2C contingent resource booking ✓

**Joint Venture objectives for Stage 1 exploration have been met;  
outcomes lay foundation for future appraisal activities**

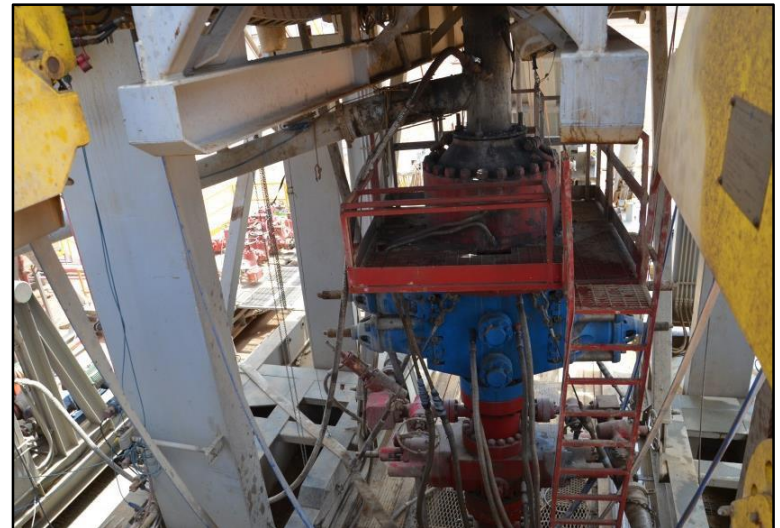




**Ensign 965 drilling rig**



**Ensign 965 drill floor depth monitor**



**Etty-1 well head**



Condor Hydraulic Stimulation Pump



Condor Hydraulic Stimulation Spread



Condor Energy Services Field Operators



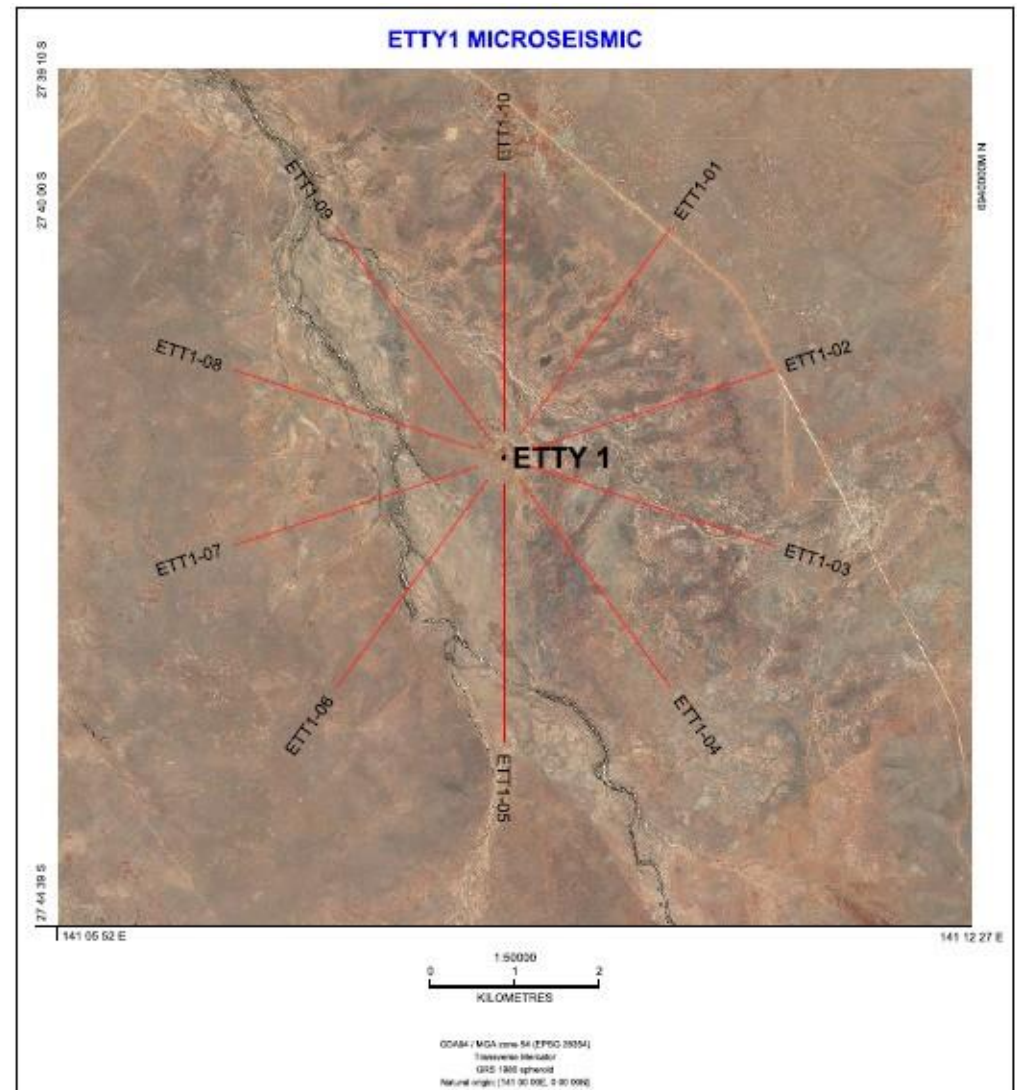
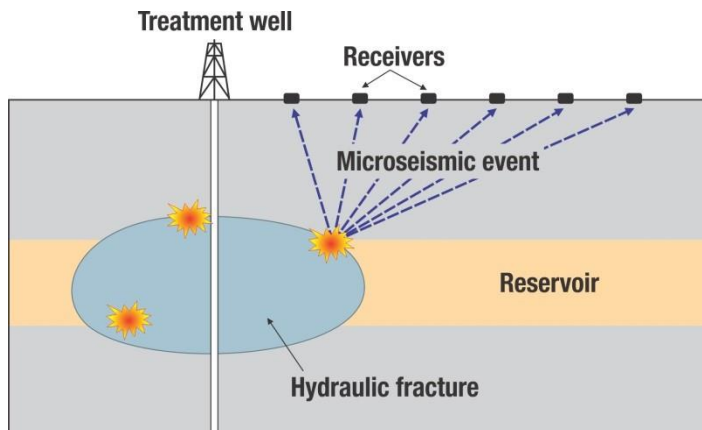
Condor Blender

**Condor Energy Services personnel has over 100 years of combined operational experience**



## Microseismic testing has improved understanding for stimulation design

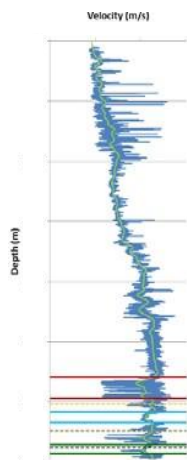
- Technology successfully implemented to gain information about:
  - Fracture height;
  - Fracture half length;
  - Fracture complexity ; and
  - Reservoir response to different stimulation designs



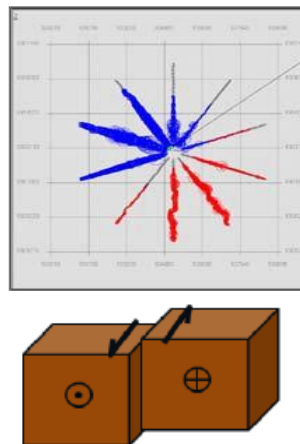
## Record events



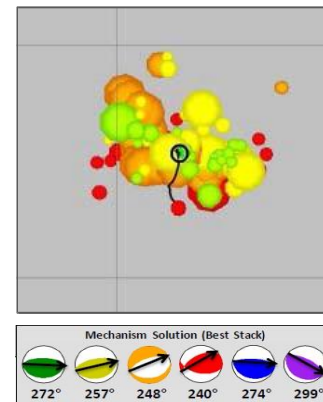
## Locate events using velocity model



## Process data to gain information about fracture orientation

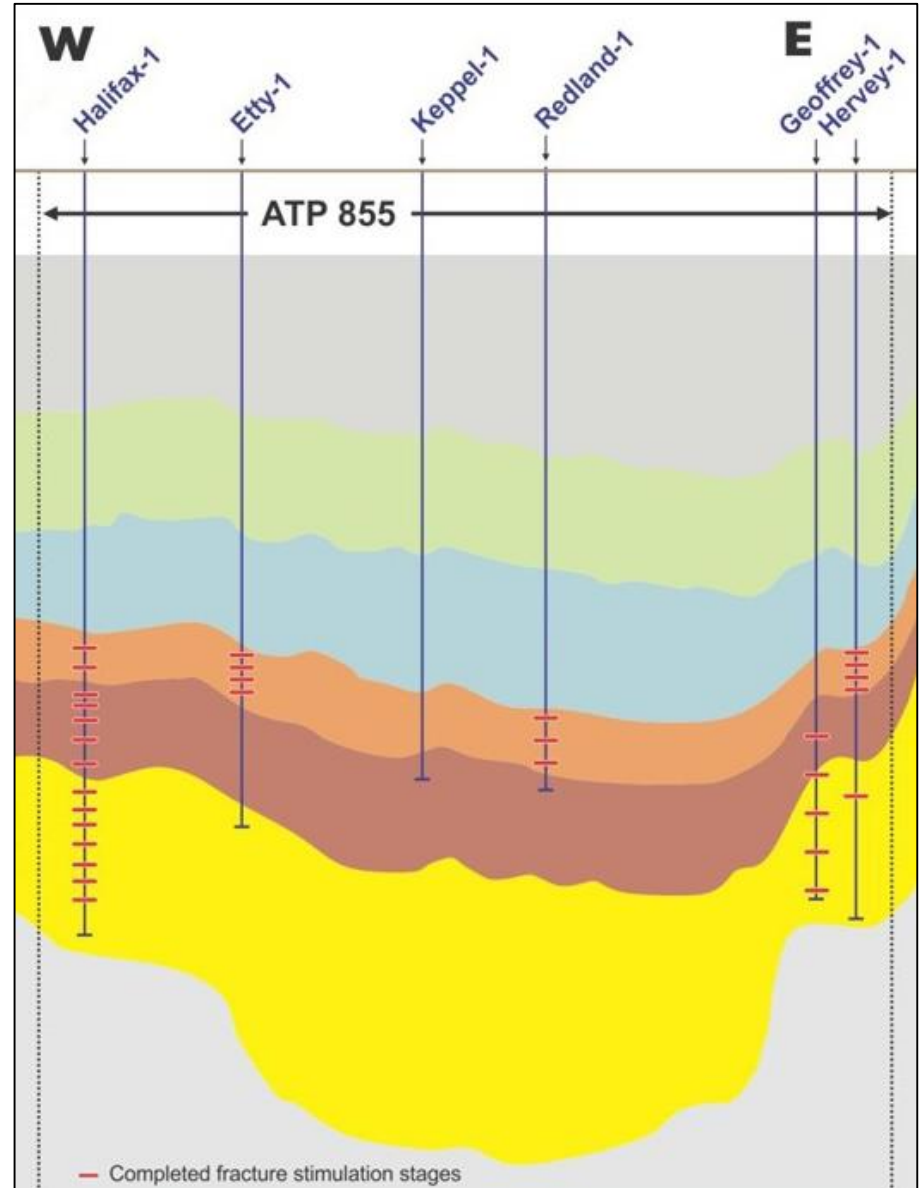


## Map and plan view of the location, magnitude and focal mechanism of events



**Microseismic results are integrated with all other sub-surface data to better understand rock response to fracture stimulation**

- Hervey-1 is the shallowest intersection of the top of the Permian in ATP 855 and was drilled to test the limits of the shallower zones as part of the Basin Centred Gas play
- Results from Hervey-1 to date support the working hypothesis that these shallower zones are not as over-pressured in this south easterly part of ATP 855



**Cross section of ATP 855**

## Basin Centred Gas Play

Exploration phase has identified priority sub-plays in the Nappamerri Trough

Unique  
Stratigraphy

Enhanced  
Porosity

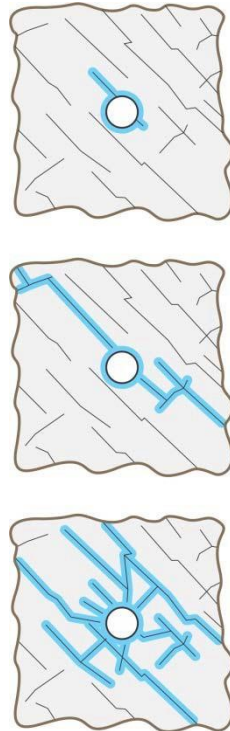
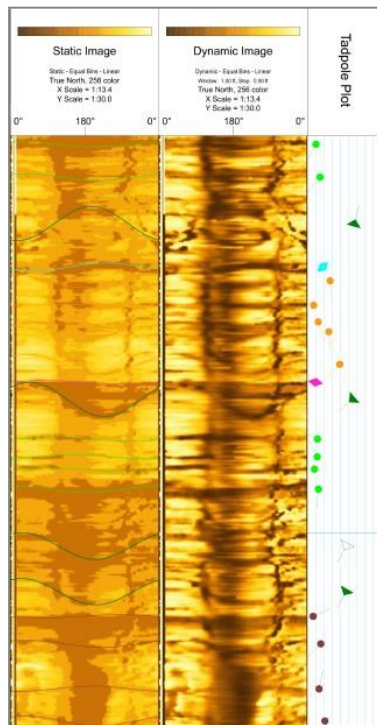
Natural  
Fractures

Mixed  
Lithology

Identification of critical sub-plays to pave the way for future appraisal

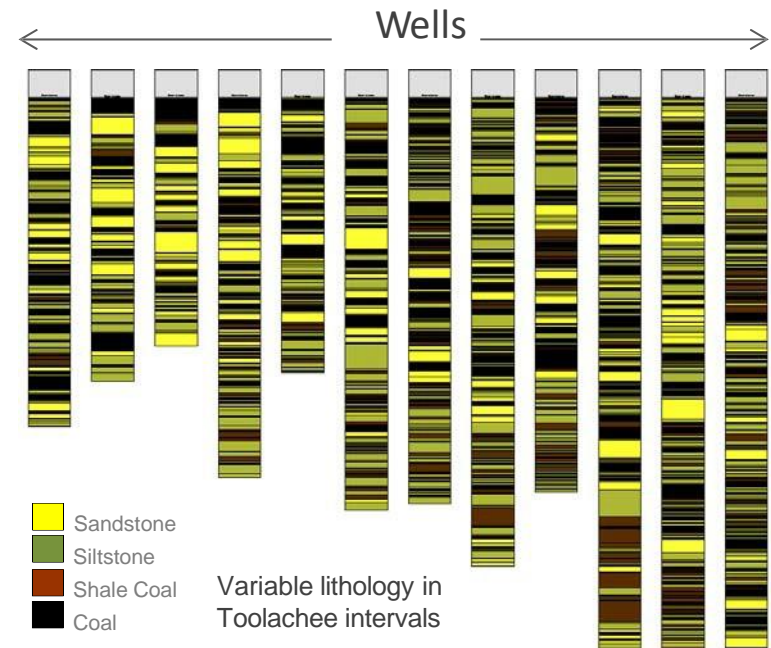
## Natural Fractures

- Identified in the Nappamerri Trough using image logs
- Enhance permeability and increase induced fracture complexity



## Mixed Lithology

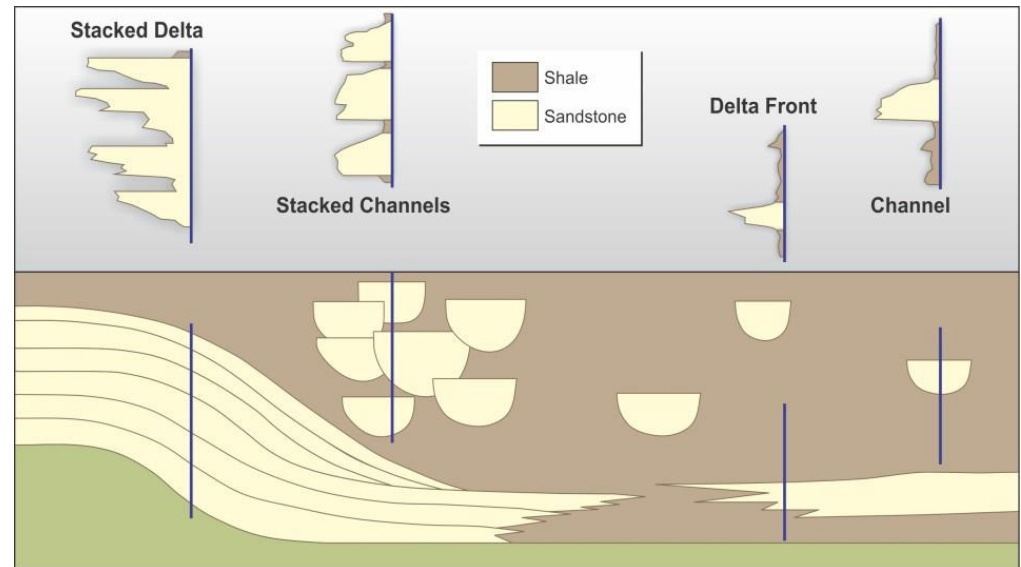
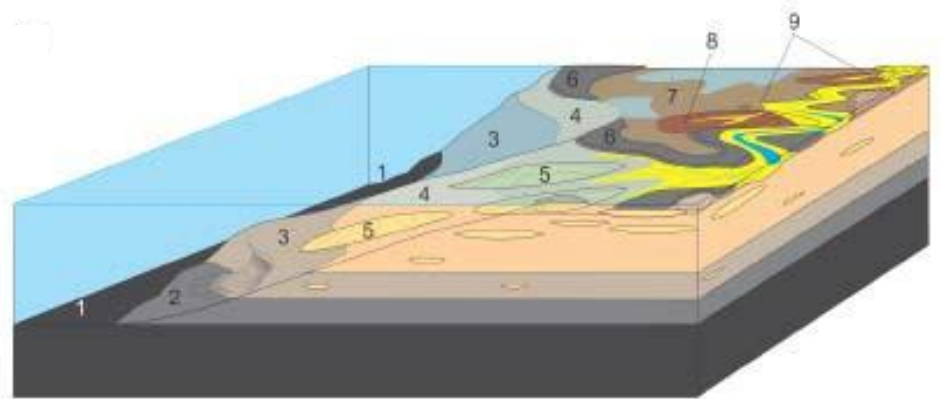
- All lithology types within the Nappamerri Trough are gas saturated
- Multiple options for well design and development, depending on sub-surface properties



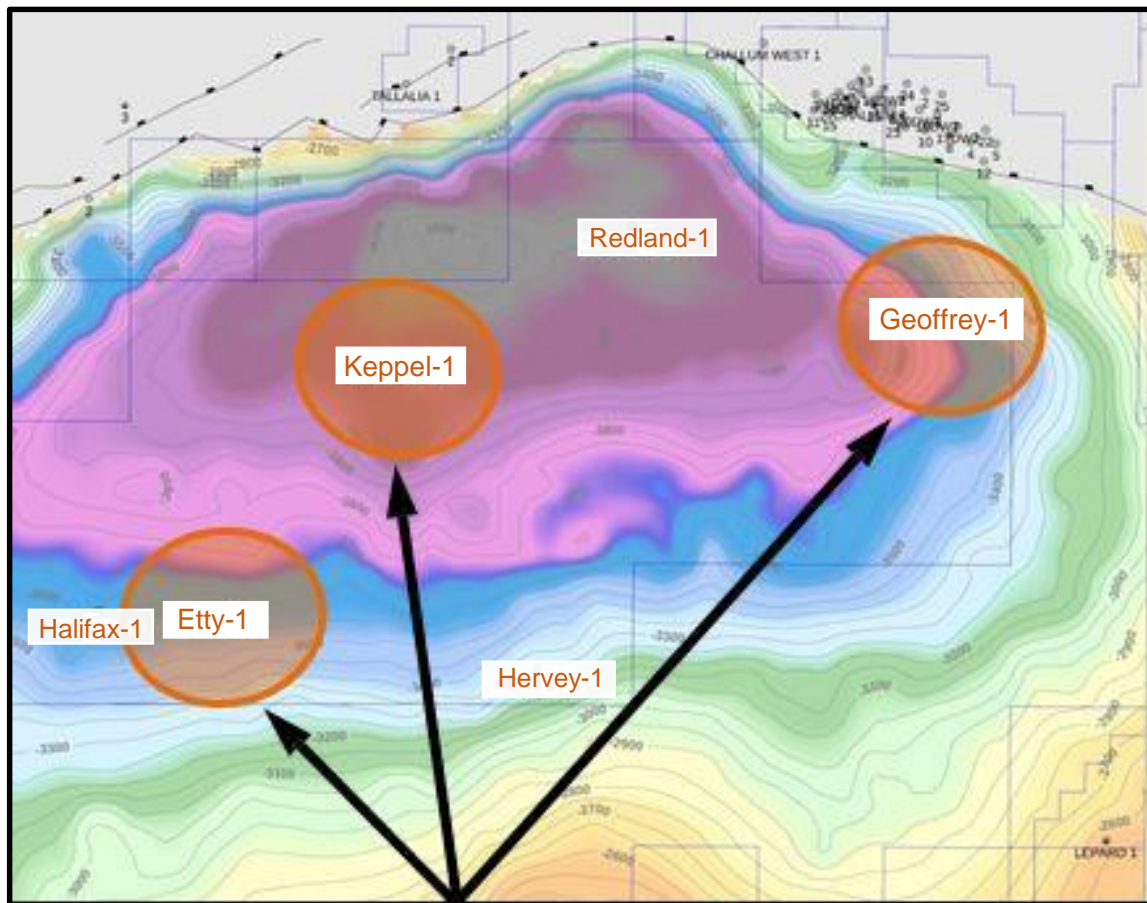


## Unique Stratigraphy

- Intersected stratigraphic sections in the Nappamerri Trough not seen elsewhere in the Cooper Basin
- Daralingie sand packages productive when tested to date
- Thick sand packages in Daralingie likely to be further appraised
- Regionally extensive sand packages in Toolachee, Daralingie, Epsilon and Patchawarra formations
- Multiple vertical and horizontal fracture stimulation program to be considered

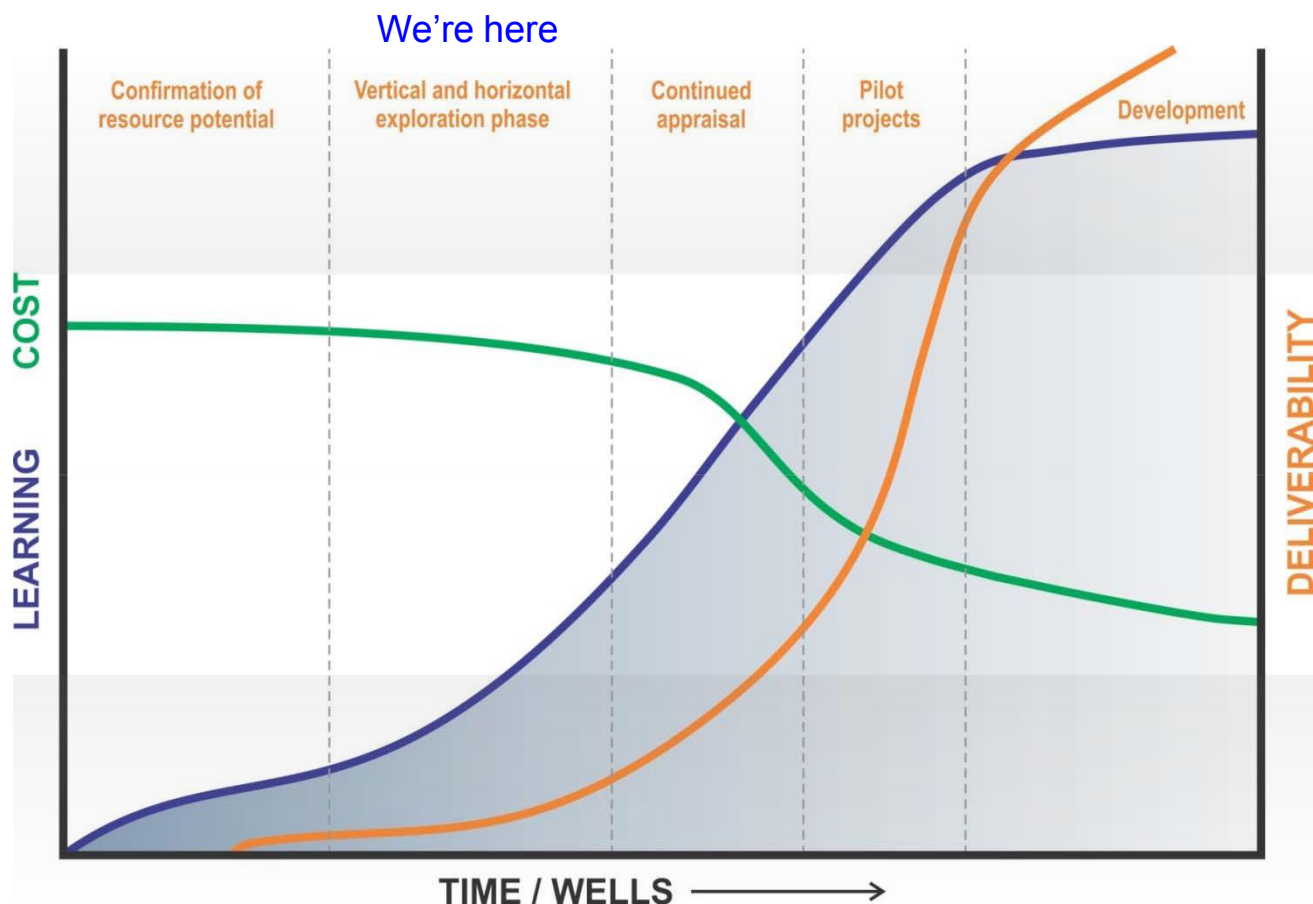


**Daralingie Formation to be considered for future appraisal**



- Daralingie (Etty-1) and Patchawarra (Geoffrey-1) flows
- Gas kick in Keppel-1
  - High reservoir pressure
  - Permeability (elevated porosity / natural fractures)

**Evidence of natural fractures and enhanced porosity**



**Knowledge from exploration phase has delivered: an understanding of lithology across the Nappamerri Trough; ability to fracture stimulate and flow gas from target zones**

## Completed six well drilling program all with significant gas shows

Well	Halifax-1	Keppel-1	Hervey-1	Etty-1	Redland-1	Geoffrey-1
<b>TD</b>	4,267m	3,898m	4,269m	3,807m	3,804m	4,125m
<b>Gas Shows</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
<b>Stimulation stages</b>	14	N/A	5	4	3	5
<b>Max. flow rate</b>	4.5MMscf/d	Flowed gas to surface unstimulated	Flow rate of 0.6MMscf/d	Flow rate of >0.9MMscf/d primarily from a single stage	Flow rate of 0.2MMscf/d	1.1MMscf/d
<b>2C Contingent resources (gross)</b>	<b>Halifax-1, Hervey-1, Etty-1, Redland-1 and Geoffrey-1</b> <b>1,572 Bcf,</b>					
<b>Comments</b>	Highest gas flow rate from unconventional shale gas and tight sands well in Cooper Basin	Flowed gas to surface unstimulated	Initial flow rate from 5 stages	Initial flow rate show 93% of gas primarily from the Daralingie Formation	Mechanical issues prevented on going extended flow test	Flow rate heavily choked back at 12/64" with well head pressure of 3,058psi

## Gross Unconventional Recoverable Prospective Raw Natural Gas Resource ATP 855<sup>1</sup>

Gross Unconventional Prospective Raw Natural Gas (Tcf) <sup>1</sup>	Low Estimate (P90)	Best Estimate (P50)	High Estimate (P10)
Gross (TCF)	21.48	28.49	37.74
<b>Nett (Icon 35.1%) (Tcf)</b>	<b>7.65</b>	<b>10.00</b>	<b>13.25</b>

## 10 Tcf Prospective Resource

### Contingent Resource around Halifax-1, Etty-1, Hervey-1, Redland-1, Geoffrey-1<sup>2</sup>

Contingent Resources <sup>2</sup>	1C	2C	3C
Gross (Bcf)	343	1,572	5,841
<b>Net (Icon 35.1%) (Bcf)</b>	<b>120</b>	<b>552</b>	<b>2,050</b>

## 552 Bcf 2C and 2,050 Bcf 3C Contingent Resource

<sup>1</sup>Announced to the ASX on 19 June 2014 Refer to further notes on resources in disclaimer

<sup>2</sup>Announced to the ASX on 27 March 2015

The estimated quantities of petroleum that may potentially be recovered by the application of a future development project relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons.



## Australia – discovered/undeveloped transaction multiples

Date	Buyer	Seller	Txn Value (\$m)	2C Resource (PJ <sub>e</sub> )	\$/GJ	Key Assets
Dec-12	<a href="#">PetroChina</a>	BHP Billiton	1,567	1,831	0.87	Interest in the Browse LNG Project
Aug-12	Royal Dutch Shell	Chevron	2,250	3,097	0.74	Estimated unitized 17.2% in Browse development
May-12	Mitsubishi	Woodside	1,923	2,640	0.75	Unitized 14.7% stake in Browse LNG Project
Jun-12	SK Group	ConocoPhillips	250	1,500	0.17	Initial 37.5% stake in Australia Timor Sea <a href="#">Caldita Barossa</a> Gas development
Oct-11	<a href="#">Eni SpA</a>	Santos	327	1,900	0.18	40% stake in Evans Shoal field (NT/P48)
Aug-11	Beach	Adelaide	10	34	0.31	16.95% stake in Australian E&P Adelaide Energy
Sep-10	<a href="#">Drillsearch</a>	Bandanna	2	3	0.72	Additional stakes in 4 Wet Gas discoveries
Aug-10	Apache	Santos	35	107	0.35	55% in Spar gas field
Aug-09	GDF Suez	Santos	448	1,207	0.41	60% in Petrel Tern and Frigate gas fields
Feb-08	Origin	Woodside	14	32	0.50	62.5% interest in the VIC/P37(V) Exploration Permit off the south west Victorian coast
<b>Average</b>					<b>0.50</b>	

## Comparable Transaction Metrics (\$/GJ of 2C)



# Icon Energy: 607.2 million GJ<sub>1</sub> of 2C Resource

### A measured approach to capital spend and timing of future activities

#### Next Steps<sup>1</sup>

- Complete technical review of Stage 1 with joint venture partner
- Confirm play concepts for further appraisal, such as Daralingie sands; areas of strong gas shows/pressure (Keppel-1) and enhanced permeability (Etty-1)
- Assess 3D seismic potential to further delineate acreage
- Increase confidence in deliverability of resource and path to monetisation

#### Indicative Timeline<sup>1</sup>

- Complete technical review of Stage 1 results
- Confirm appraisal targets and Stage 2 scope

### Deep understanding of sub-surface driving future exploration

<sup>1</sup> Subject to Joint Venture approval. Source: Beach Energy April 2015 (amended)





Santos  
GLNG Project

QUEENSLAND  
CURTIS LNG  
A BG Group business

AUSTRALIA  
PACIFIC  
LNG

6 LNG Trains: 25.3Mtpa



- ATP 855 potential World class tenement and multi Tcf resource
- Extensive infrastructure in ATP 855 including raw and sales gas pipelines to east coast and Gladstone LNG facilities
- Quality partner (Beach Energy Operator 64.9%)
- Flow-tested five wells in ATP 855. Highest IP of 4.5MMscf/d in Halifax-1
- 10Tcf (P50) Recoverable Prospective Raw Natural Gas Resource ATP855 (Icon share)
- 552 Bcf 2C Contingent Resource (Icon share)
- Operatorship of over 2,200sqkm of highly prospective tenements across the premier oil and gas basins: Cooper-Eromanga and Surat
- Cash on hand A\$20.9 million, no debt
- Strategic focus of 2.2Tcf of 2P gas reserves





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