

### Company overview



- Well funded, diversified oil and gas explorer trading near cash backing
- Experienced leadership team with a demonstrated track record of top tier Australian CSG and conventional exploration success
- Strong shareholder alignment with the directors and management who are well invested with c.11% ownership
- The 100% owned Glenaras Gas Project is a highly strategic asset in the Galilee Basin with an opportunity to supply cheap gas into the structurally undersupplied east coast gas market
- Onshore US assets have potential to generate near term US\$ cash flows with Hoffer A1 well currently being drilled
- Galilee continues to focus its funds on high impact exploration and has significantly reduced its corporate expenditure over the last two years
- Strong and consistent execution of our strategy first outlined in April 2014

# WELL FUNDED OIL AND GAS EXPLORER EXECUTING ON A CLEAR CORPORATE STRATEGY

## Corporate snapshot



### **Financial information**

<b>Enterprise Value</b>	A\$2.6M
Debt (30-Sep-15)	No debt
Cash (30-Sep-15)	A\$14.9M
Market capitalisation	A\$17.5M
Number of shares <sup>1</sup>	152.1M
Share price (17-Nov-15)	A\$0.115

## > Production testing at Galilee over next 6 months (2,508 PJ 2C Resources)

### > Drilling underway in Texas

Source: IRESS

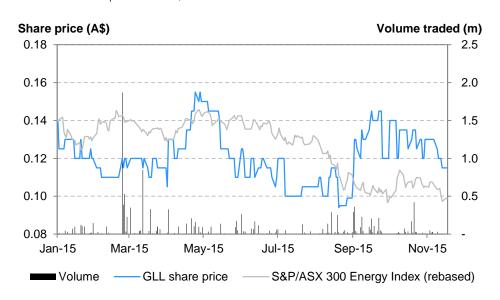
Note:

### **Top shareholders**

Ecarlate	12.1%
AMP Capital Investors	5.5%
Ekco Investments	4.6%
Nero Resource Fund	4.2%
Directors and management <sup>1</sup>	10.6%

#### Note

<sup>1</sup> Directors and management acquired shareholdings from 2013 at an average cash consideration per share of A\$0.125



Excludes 3.45m unlisted performance rights on issue (exercise price A\$0.25-0.35; expiry date Dec-15-Dec-17)

<sup>2</sup> Please refer to the Competent Person's Statement on page 23 of this presentation

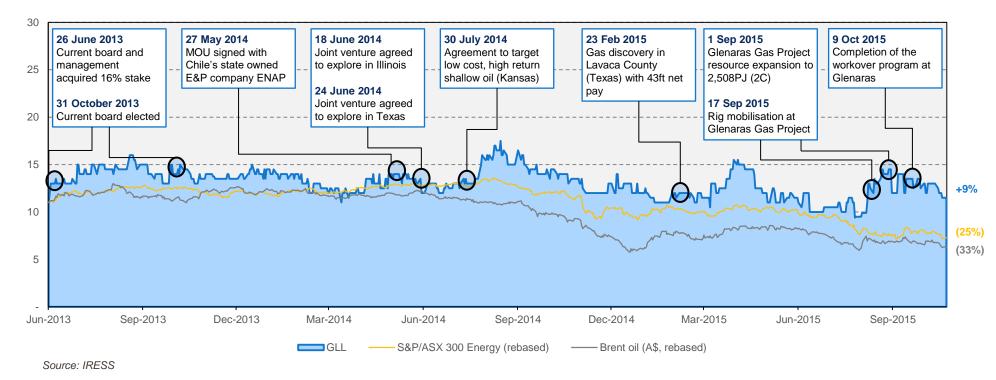
## Outstanding operational delivery



# **SUSTAINED OPERATIONAL PERFORMANCE SINCE THE ELECTION OF THE NEW BOARD IN OCTOBER 2013**

 Galilee has outperformed the S&P/ASX300 Energy Index and oil price, in a period of oil price collapse and despite significant capital markets headwinds

### **Share price performance since October 2013 (Acps)**



## Executing on a clear strategy



### STRONG AND CONSISTENT EXECUTION OF OUR STRATEGY **FIRST OUTLINED IN APRIL 2014**

Strategy outlined **April 2014** 

Maximise the value of the **Glenaras Gas Project** 



Build a strong production base

**Grow the** exploration portfolio



2014

- Technical review of historical exploration
- Proposed alternative completion
- JVs agreed in Illinois, Texas and Kansas
- 3D seismic in Kansas

- MOU signed with **ENAP** in Chile
- Technical Study

- 2015
- Acquired 100%
- Upgraded 2C resources by 868% to 2,508PJ
- Completed workover and commenced flow tests
- Gas discovery Texas
- 43 ft net pay
- Hoffer A1 being drilled offset from discovery well

- Pilot testing
- Demonstrate commerciality

2016

- Upgrade resource to reserve
- Production from Hoffer A1
- Development drilling at Hoffer A (if successful)

- Complete technical evaluation
- Prepare & submit application for CEOP
- Ongoing negotiation of CEOP

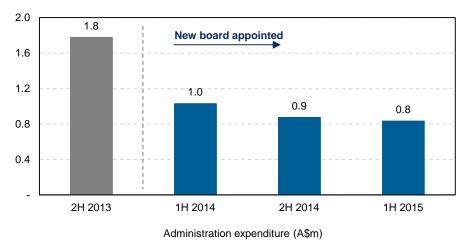
## Prudent cash management



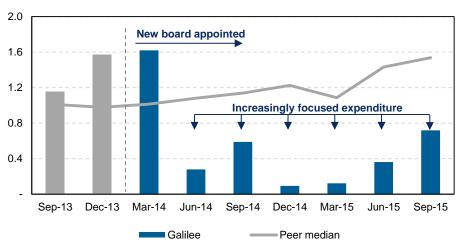
# GALILEE'S NEW STRATEGY HAS REDUCED CORPORATE EXPENDITURE AND FOCUSED FUNDS ON EXPLORATION

- Since its election in October 2013, Galilee's Board and management has been executing on a clear strategy of focused investment and reduced corporate expenditure
  - Galilee has continued to reduce corporate expenditure consistently over the last 18 months
- Galilee has no debt outstanding and is fully funded for our upcoming exploration program

### Galilee half yearly admin expenditure (A\$m)



### Quarterly admin to exploration ratio (x)<sup>1</sup>



Source: IRESS

<sup>1</sup> Constellation of 209 ASX-listed GICS Energy companies with positive exploration expenditure and a market capitalisation <A\$50m as per September quarterly results

## Galilee global portfolio



# NEGLIGIBLE VALUE ASCRIBED BY THE MARKET TO GALILEE'S PORTFOLIO OF HIGHLY STRATEGIC ASSETS

- Galilee has constructed a portfolio consistent with its corporate strategy
- A key focus in building the portfolio has been to maintain and acquire assets with significant strategic value
  - Glenaras Gas Project is the most advanced project in the Galilee Basin and has potential to unlock a significant new CSG supply source
  - Acquired onshore US shallow oil targets for near term cash flow, capitalise on depressed drilling costs and rich gas targets with strong economic returns – even in the current depressed commodity environment



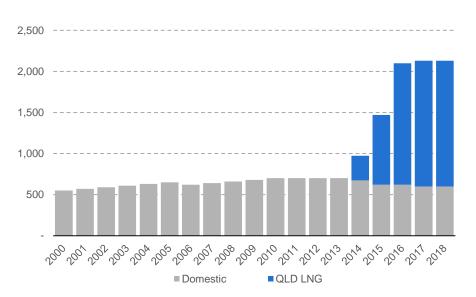
## East coast gas market is structurally short



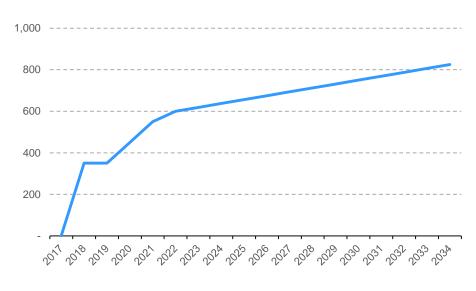
## EAST COAST GAS IS IN LIMITED SUPPLY — NEW GAS SUPPLY VITAL TO MEET SURGING DEMAND

- Demand for QLD gas supply will more than triple with GLNG, APLNG and QCLNG online
- Gas supply market is structurally short supply needed to service domestic and export demand
- Competitive new gas supply will be highly attractive

### East Coast aggregate demand (PJ/a)



#### Forecast supply gap (PJ)



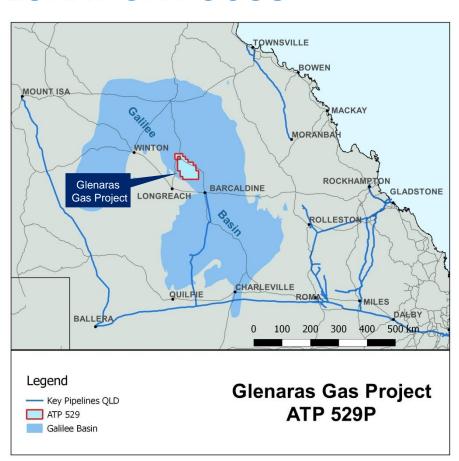
Source: company presentations (Santos, AGL)

# Glenaras Gas Project - Galilee Basin (ATP 529P)



# GLENARAS GAS PROJECT IS GALILEE'S FOUNDATION ASSET AND REMAINS A KEY EXPLORATION FOCUS

- Glenaras Gas Project (GGP) has the potential to become a key supplier to the structurally undersupplied east coast gas market
  - ✓ Very large, yet to be contracted, resource.
  - ✓ High resource concentration (equivalent to Fairview/Spring Gully)
  - Minimal water treatment with high probability of being able to re-inject produced water
  - ✓ Positive stakeholder relationship
  - ✓ Very low well costs
- Multiple market options exist for GGP
  - South or west to Wallumbilla and Mt Isa
  - East to connect to Brisbane or Gladstone
- The distance to market is comparable to the length of the recently constructed CSG-LNG pipelines

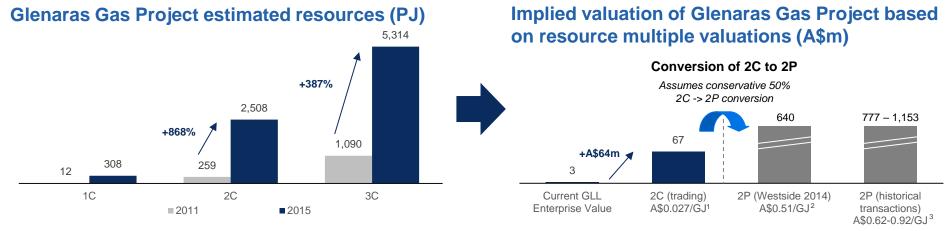


## Glenaras Gas Project contingent resources



# 2015 ASSESSMENT SIGNIFICANTLY INCREASED THE GGP RESOURCES AND HIGHLIGHTS ITS POTENTIAL VALUE

- 2015 MHA Resource Assessment significantly upgraded the contingent resources at the GGP
  - Highlights the strong opportunity for GGP to supply gas into the structurally short east coast market
- Converting the 2C resources to 2P reserves is the key immediate focus for Galilee
  - The R1 coal seam gas is critical in testing the commercial potential of the GGP and converting the contingent resources into reserves



Source: MHA Petroleum Consultants LLC (2015), SRK Consulting (2011), Company filings Notes:

Potential EV/Resource multiple valuations

- 1 2C trading valuation based on EV/2C multiples for Blue Energy (ASX: BUL), Real Energy (ASX: RLE) and Icon Energy (ASX: ICN) as at 17 November 2015
- 2 Westside 2P transaction multiple based on 347PJ (2P) reserves and transaction value of A\$178m at the final bid price of A\$0.40/sh
- 2P transaction multiple range based on precedent Galilee management transactions including sale of Gloucester to AGL Energy (400-500PJ 2P target range and transaction value of A\$370m) and the sale of Eastern Star Gas to Santos (1,520PJ 2P and transaction value of A\$942m)

## CSG properties of Betts Creek



# BETTS CREEK COAL EXHIBITS EXCELLENT CSG PROPERTIES

- Successful CSG projects require three key parameters:
  - Resource Concentration (thickness, gas content)
  - Productivity (thickness, permeability)
  - Pressure drawdown in the coal (well design)

- Betts Creek

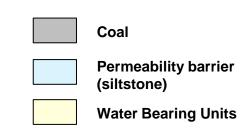
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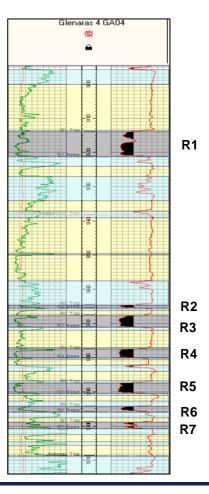
  ✓

  ?
- Resource concentration and coal productivity have been proven across the permit
- Comparable to world class projects such as Spring Gully and Fairview

#### **Betts Creek Coal – Core area properties**

Coal depth (m)	900 - 1,000
Net coal (m)	19
Gas content (m3/t)	5.3
Permeability (md)	45
Resource concentration (bcf/km²)	5.2



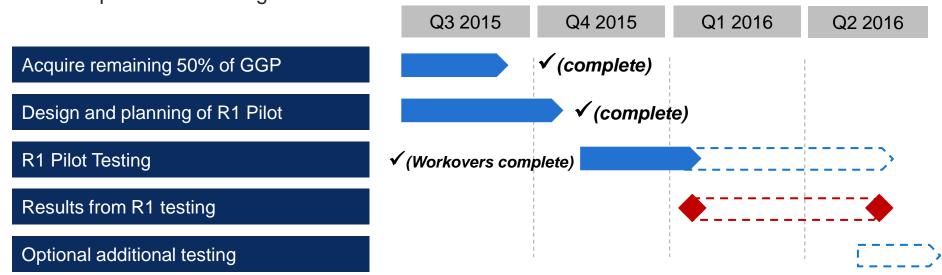


## Glenaras Gas Project forward program



## ASSESSMENT OF R1 SEAM COMMERCIAL PRODUCTION POTENTIAL EXPECTED TO BE COMPLETED IN 1H 2016

- Testing of the uppermost R1 coal seam is underway
- Cash expenditure will be prudently managed over the next 3 quarters with clear focus on the current R1 pilot test
- The initial phase of the R1 pilot test will be in the order of A\$2.0M
- Additional testing completely at the option of Galilee management in the event of successful initial production testing



### US onshore assets



# US ONSHORE ASSETS PROVIDE GALILEE WITH POTENTIAL FOR NEAR TERM CASH FLOW

### Texas - Lavaca County (generally 25-40% WI)

- Participation agreement covering 65,000 acres primarily focused around two existing large 3D seismic datasets in Lavaca County, onshore Texas Gulf Coast
- Partnered with highly regarded Calex Resources Inc. and Gruy LLC
  - Extensive history in Lavaca County
  - Multiple successful projects within the area
- Lower cost of onshore drilling and extensive infrastructure allows rapid commercialisation

#### Kansas – Meade County (25%, earning up to 75%)

- 40 sq mile 3D seismic completed and processed with excellent quality observed and a number of prospects identified
- Detailed prospect generation being completed and to be announced in due course

#### **Location of USA assets**





## HOFFER B1 IS A CONFIRMED GAS DISCOVERY LOCATED ON THE EDGE OF A SIGNIFICANT CHANNEL

 Hoffer B1 well a confirmed gas discovery in multiple Middle Midcox sandstones with 43 ft net pay (GLL 43.5% WI BPO, 34.8% APO)

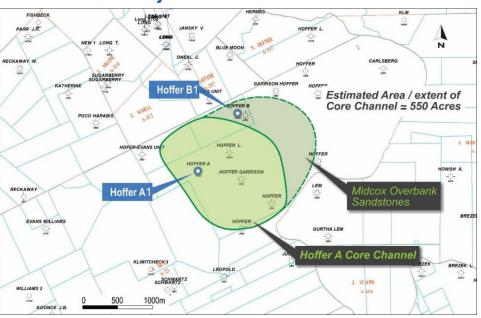
Flowed in aggregate ~ 6 MMscfd during testing, however cement integrity issues prevented well being

suitable as a commercial producer

 Seismic suggests Hoffer B1 intersected overbank sandstones on the edge of thick channel

- Hoffer A1 well spudded in November 2015 and expected to take 30 – 40 days to reach total depth
- A successful well in the Hoffer prospect would contain flow rates up to 7.5mmcfd with 50bbl/mmcf
  - This would generate c. US\$2.0m revenue net to Galilee at current prices
  - With multiple follow up wells

### **Hoffer Midcox Project**





# GALILEE HAS SEVERAL OPERATIONAL AND MACRO CATALYSTS UPCOMING IN THE NEXT 6 MONTHS

## **GLENARAS Commercial**

Commercial flow results

- R1 coal seam production testing currently underway
- Program expected to complete in 1H 2016
- Success would be critical in converting 2C resources to 2P reserves

#### **HOFFER A1**

Drilling results and development

- Hoffer A1 (Texas) well spudded on 8 November 2015
- Well is expected to take between 30-40 days to reach total depth
- Successful well could deliver material cash flow to the company

#### **MACRO**

Oil price and QLD gas market

- Sector trading has been driven largely by moves in global oil prices
- Evidence of the tightening in the Australian east coast gas market will improve Glenaras attractiveness

### AWARENESS

Institutional grade

 The awareness of Galilee's investment case within the investment community continues to develop as operational and corporate milestone are reached



## Appendix

BACKGROUND ON GALILEE MANAGEMENT AND THE GLENARAS PROJECT

### Board and management team



## EXPERIENCED LEADERSHIP TEAM WITH A HISTORY OF AUSTRALIAN CSG EXPLORATION SUCCESS

#### Coal seam gas experience of Galilee Board and management team

- Core Galilee exploration team is ex-Origin Energy
  - Key members of the team that built Origin Energy's portfolio of upstream CSG assets, the largest CSG resource in Queensland which now underpins the A\$25bn APLNG project
- Board and management have a track record of successfully increasing reserves and creating asset value
  - Expanded Gloucester (AJ Lucas) 3P Reserves from zero to > 700PJ¹ before being sold to AGL Energy for A\$370m
  - Increased Narrabri (Eastern Star Gas) 3P Reserves from zero to 2,797PJ before being acquired by Santos for A\$942m

#### Peter Lansom - Managing Director

#### **KEY MANAGEMENT**

- 25+ years experience in conventional and unconventional exploration and development
- Former Chief Petroleum Engineer at Origin Energy
- Previous Executive Director at Eastern Star Gas

#### Paul Bilston - Executive Director

- Senior executive roles at AGL Energy, AJ Lucas
- Former Managing Director of Challenger Energy

#### Ashley Edgar - Geoscience consultant

- 25+ years experience in conventional and unconventional exploration
- Instrumental in building Origin Energy's CSG portfolio
- Former Executive GM Exploration at Eastern Star Gas

#### David King - Non-Executive Chairman

BOARD

- Currently Non-Executive Chairman of Cellmid
- Former Non-Executive Director of Sapex, Gas2Grid and Eastern Star Gas
- Former CEO of Beach Petroleum

#### Ray Shorrocks - Non-Executive Director

- Director at Patersons Securities (Head of Corporate Finance, Sydney)
- Currently Non-Executive Director of Estrella Resources

#### Note:

1 Internal estimates prior to sale

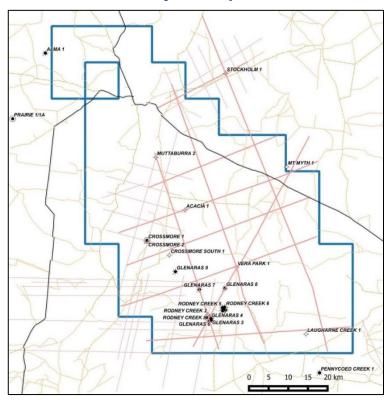
## Exploration history of Glenaras Gas Project



## SUPERIOR GEOLOGICAL UNDERSTANDING BUILT ON COMPREHENSIVE HISTORIC DATABASE

- Significant historic exploration activity
  - Commenced in 1992
- Historic works provided an excellent geological database across the entire permit
  - Database focuses on structure, coal thickness and CSG properties
- 2 production pilots have provided excellent data on permeability, desorption, well interference and appropriate pump design
- Grand total of 12 coreholes, 2 of 5-spot production pilots and 4 step-out production wells and over 700 km of seismic data has been acquired over the permit to date

#### **Glenaras Gas Project map**



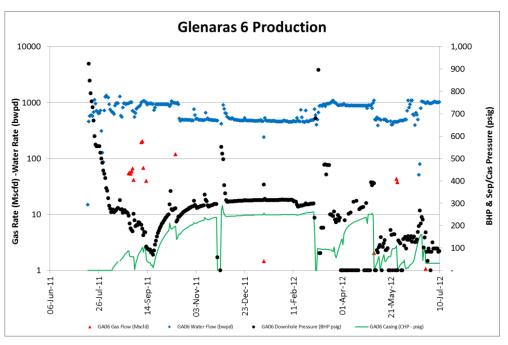
## Glenaras Gas Project pilot performance



# DESPITE LIMITED HISTORIC PERFORMANCE THERE WERE SIGNS OF COMMERCIAL PRODUCTION POTENTIAL

- Demonstrating commercial flow is the final element to booking reserves
- Previous pilot well designs have failed to achieve sufficient pressure drawdown in the coal
- Wells have been completed over multiple coals and fracture stimulated.
- Pilot production has been dominated by water production from sands, not from the coals
- Despite this, sustained gas production was achieved in all Rodney Creek pilot wells
  - Flow rates of up to 200 mscfd from Glenaras wells
- Strong well interference and communication demonstrated excellent permeability
- Numerous shut-ins due to pump failures caused coal recharging and crossflow from sands

### **Previous Glenaras pilot performance**



## Pathway to commercial flow

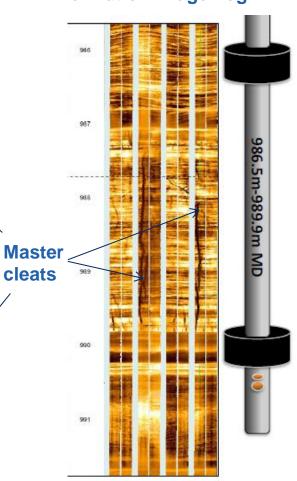
# BETTS CREEK COAL SHOWS EXCELLENT PERMEABILITY

- New completion design formulated to suit the geological setting
- Key is accessing the coal and drawing down pressure in the coal and not the sand
- Coals have excellent master cleat development and good permeability
- A standard perforated completion will isolate coal and allow drawdown of the coal below critical desorption pressure, achieving gas flow
- Glenaras R1 seam pilot will test this thesis
- Completion design can then be applied to the complete Betts Creek section





### **Formation Image Log**



## Glenaras R1 seam pilot



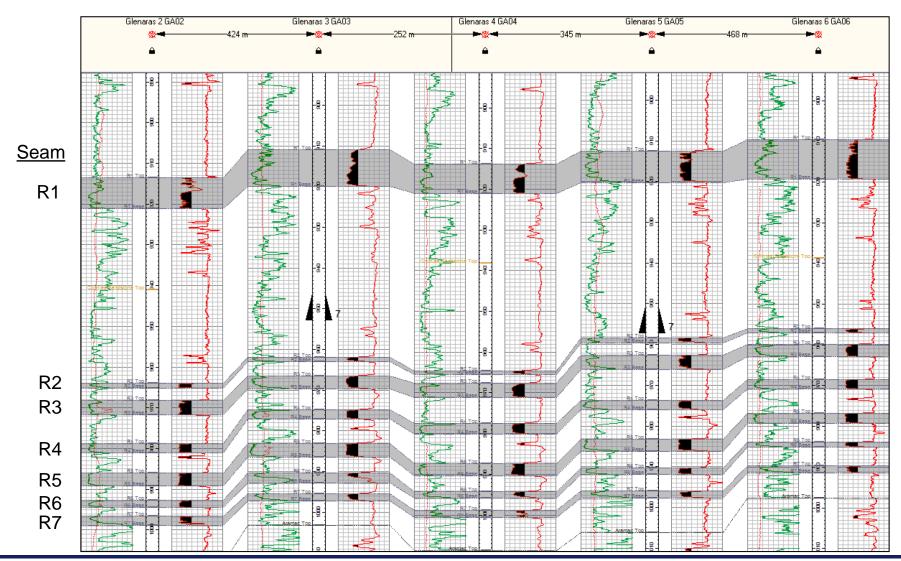
# THE R1 SEAM HAS NOT BEEN TESTED AND HAS THE POTENTIAL TO PROVE SIGNIFICANT RESERVES

- Galilee has completed the workover program at five Glenaras wells in order to production test the R1 seam
  - R1 is thickest seam, never completed in initial pilot testing
- The workover program isolated the lower coals via a bridge plug, then perforated the R1 coal which is now under production testing
- The work program was completed on time and under budget
  - Highlights that the recent transfer of operatorship to Galilee is driving effective project management



### Structural section across Glenaras Pilot





### Competent Person's Statement



#### Competent Persons Statement & Listing Rule 5 Reporting on Oil & Gas Activities

The estimate of Contingent Resources for the ATP 529 as appears on page 7 of this presentation, is based on, and fairly represents, information and supporting documentation determined by Mr Timothy L. Hower of MHA Petroleum Consultants LLC Inc Denver, Colorado, USA, an independent petroleum reserve and resource evaluation company, in accordance with Petroleum Resource Management System guidelines. Mr Hower is a full-time employee of MHA, and is a qualified person as defined under the ASX Listing Rule 5.41. His career spans over 30 years petroleum engineering evaluations experience including field development planning, unconventional reservoir assessment and reserves, reservoir simulation, enhanced recovery, and industry training courses. His qualifications and experience meet the requirements to act as a Competent Person to report petroleum reserves in accordance with the Society of Petroleum Engineers ("SPE") 2007 Petroleum Resource Management System ("PRMS") Guidelines as well as the 2011 Guidelines for Application of the PRMS approved by the SPE.

Mr Hower has consented to the publication of the Contingent Resource estimates for Galilee Energy 100% interest in ATP529 in the form and context in which they appear in this presentation. The Contingent gas resource estimates for ATP 529 provided in this presentation were originally released to the market in the Company's announcement of 1 September 2015, and were estimated using the deterministic method with the estimate of contingent resources for ATP 529 not having been adjusted for commercial risk.

Galilee Energy confirms that it is not aware of any new information or data that materially affects the information included in the announcement of the 1st of September 2015 and that all of the material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed.

### Disclaimer



This presentation may contain forward looking statements that are subject to risk factors associated with oil and gas businesses. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

Investors should undertake their own analysis and obtain independent advice before investing in GLL shares. All references to dollars, cents or \$ in this presentation are to Australian currency, unless otherwise stated.

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