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**Announcement to ASX** 

10 April 2017

## OPERATIONS UPDATE and CORPORATE PRESENTATION

Sacramento Basin Natural gas producer and developer, **Sacgasco Limited (ASX: SGC)** (**'Sacgasco')** is pleased to provide an operations update and corporate presentation.

- Discussions with farm-in party well advanced
- Sacgasco leasing on 4 additional Dempsey look-a-likes
- Location for Dempsey 1 surveyed with spud date firming for 1H 2017.
- Alvares well integrity testing to be undertaken as soon as access is available after recent rain.

Following earlier updates on farmout progress and Dempsey well funding discussions, Sacgasco advises it is well advanced in discussions for a further farmout of working interest in Dempsey on a promoted basis.

For and on behalf of the Board of Sacgasco Limited.

Gary Jeffery Managing Director +61 8 9388 2654 Ben Jarvis Six Degrees Investor Relations +61 413 150 448

Sacgasco Limited Company Background

Sacgasco Limited (ASX: SGC) is an Australian-based energy company focused on conventional gas exploration in the Sacramento Basin, onshore California. SGC has an extensive portfolio of oil and gas prospects at both exploration and appraisal stages, including a number of multi-Tcf opportunities. The Company is targeting gas supply to the local Californian gas market and burgeoning LNG market in North America. SGC is of the view that the size of the prospects in California have the potential to supply both the domestic Californian gas market and export LNG markets.

www.sacgasco.com

Twitter: @SacGasCo



**INVESTOR PRESENTATION – APRIL 2017** 

**ASX:SGC** 



Sacgasco Limited (ASX:SGC) is uniquely placed to test the under-explored, multi-Tcf potential of the over-looked Natural Gas plays in the North Sacramento Basin.

Any one of the company's large prospects has the ability to transform Sacgasco and the Californian natural gas market.

"After recent strategic acquisitions the Sacgasco Joint Venture's production in 2017 is poised to rank in the Top 5 in the Sacramento Basin, but it would only take a flow rate of just 2.5 million cubic feet of gas per day from a combination of existing wells and a well on the Dempsey Prospect to move the JV ranking to 2<sup>nd.</sup>"

#### California Gas Market

2.5 Tcf/year – California gas demand

to 11 Bcf – Average to peak daily consumption

6.5 Bcf/day – supply shortfall

90+ % − imported from out-of-state

– 15% premium – over Henry Hub price

SGC already connected to Open-Access gas

pipelines



High demand for in-state gas production in the world's 6th largest economy



"California imports about 90 percent of its natural gas demand, and staff expects natural gas imports to be about 98 percent in 2025." Natural Gas Outlook for California

#### 'Discovery Thinking' used by SGC to unlock huge overlooked potential

Over 6,000 wells have been drilled in the Sacramento Basin

Less than 10 have drilled to SGC primary target in a proven Petroleum System (PS) in 1+ million acres (Reservoirs, seals, structures and sources can be demonstrated by past drilling and / or outcrop)

Only two of these wells tested valid gas traps- both flowed gas to surface



Proven Petroleum System

Both wells found over 1,500 metres of gas shows



"The history of oil and gas exploration demonstrates that some of the best places to explore are in and around existing production areas."

Revisiting mature areas and applying a truly investigative approach to geology has resulted in huge discoveries of oil and gas over time.

Buzzard Oil (North Sea), Zohr Gas (Egypt), Gunslinger Oil (California) and Edvard Grieg and Johan Sverdrup Oil (Norway) are but a few examples of Major to Super-Giant discoveries in industry-labelled "mature" areas since 2000.





We believe that the Sacramento Basin holds Multi-Tcf gas potential

Many gas traps have been overlooked and the basin is under-explored

Sacgasco is uniquely positioned to unlock this potential; with high working interests; tight share register; low cost onshore operations and easy access to a world-class market



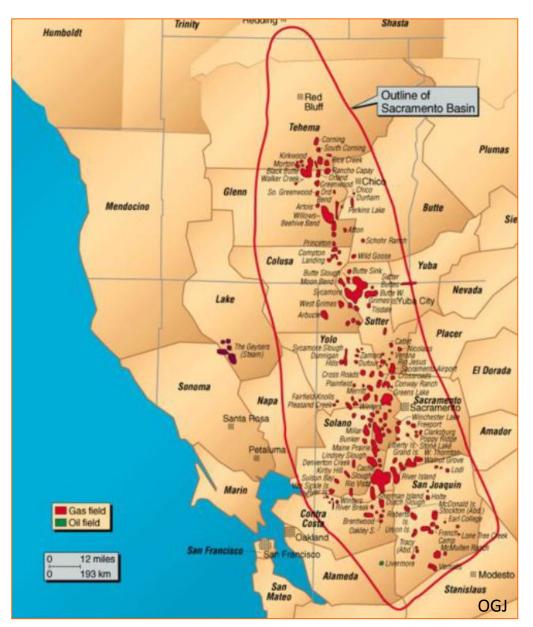
# The best place to look for more gas is under and adjacent to discovered gas

Over 11 Tcf has been produced in the Sacramento Basin

Rio Vista, the largest gas field, has produced 3.5+ Tcf to date

Extensive database of 2D and 3D seismic and wells readily available

tower operating cost due to accessible gas industry infrastructure





Sacramento Basin Gas Fields

#### **Asset Summary**

Dempsey Appraisal and Exploration Prospect-

1+Tcf in 7 stacked targets

Alvares Discovery Appraisal-

2+ Tcf gas appraisal

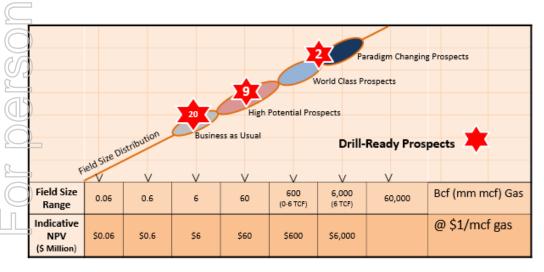
Multiple mapped look-a-like prospects

200+ Bcf to Multi-Tcf gas exploration targets

Production and Infrastructure in 6 Fields-

Multiple Prospects for drilling as gas prices

rise beyond \$4 /mcf



Un-risked Value Estimator





## **Increasing Gas Production**

A simple pathway to rapid growth and cash flow

#### **Production (operated):**

Rancho Capay and Los Medanos:

65 mcf/d gross - December quarter 2016

#### Recently acquired:

Malton, Dutch Slough and Denverton, Rancho Capay and Rice Creek East:

640 mcf/d gross - December quarter 2016

#### More under negotiation





## SGC owned and operated infrastructure for low cost, rapid development, and early cash flow





## Unlocking multi-Tcf Potential from over-looked reservoirs-Dempsey Project

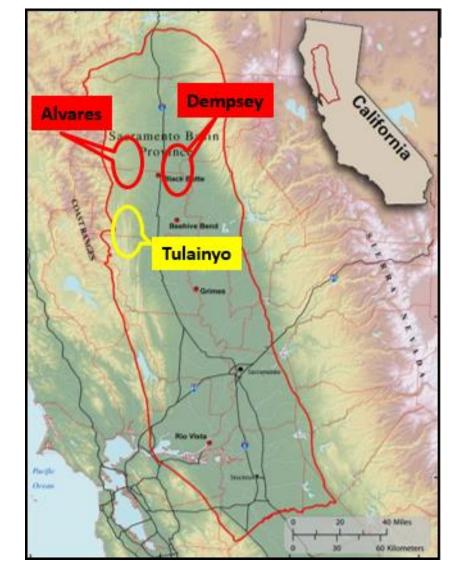
A proven working Petroleum System and Play-gas to surface in the two valid tests

Supported by structurally consistent amplitude anomalies, and regional source, seals, and reservoir data

Integrated well control through 2D and 3D seismic

Dempsey will be the first Prospect drilled on 3D data to unlock the high-multiple upside of the Sacramento Basin

Tulainyo "10 for 1" farmout for same target reservoirs as Dempsey and Alvares provides independent validation of play





#### Dempsey Project - Schematic

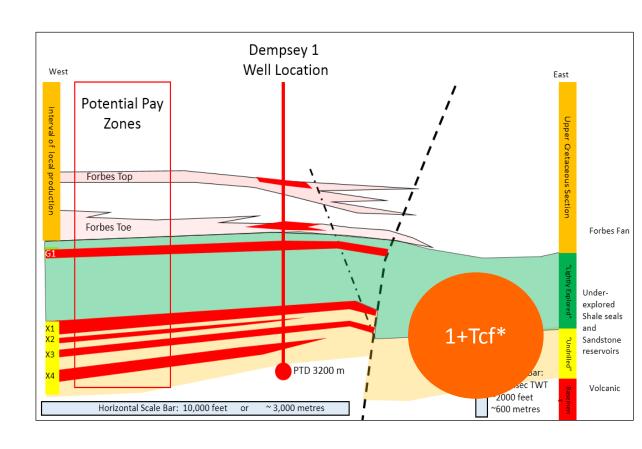
**Appraisal/ Exploration** - 1+ Tcf\*

Reduced Risk - 7 stacked independent conventional sand reservoirs

High Potential - Total (100%)
Geterministic un-risked recoverable
prospective resource: 1+ Tcf

High Probability of Success - Multiple independent targets ranging from 1+ Bcf to 350+ Bcf

Speed to Market - Located within existing and producing gas fields with quick access to markets



<sup>\*</sup> Further details were included in the Company's ASX release dated 4 September 2014. "The estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) 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 movable hydrocarbons.



## Dempsey Project – 3D Seismic Based

Simple regionally prominent structure

Mapped on 3D seismic

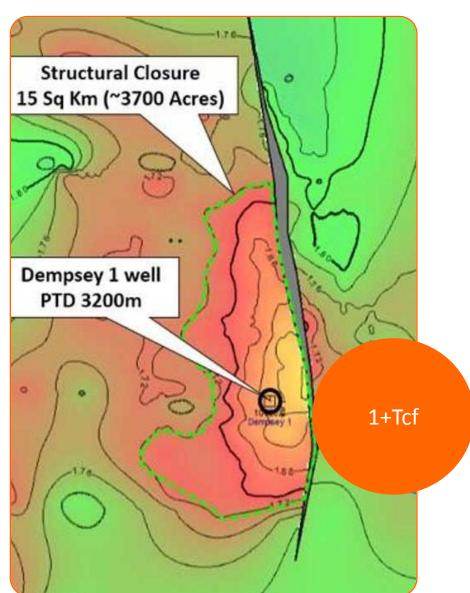
Focus for gas migration

Proximal to sand reservoir source

Good gas trap seals

n a gas unit with pipeline access





## **Alvares Project**

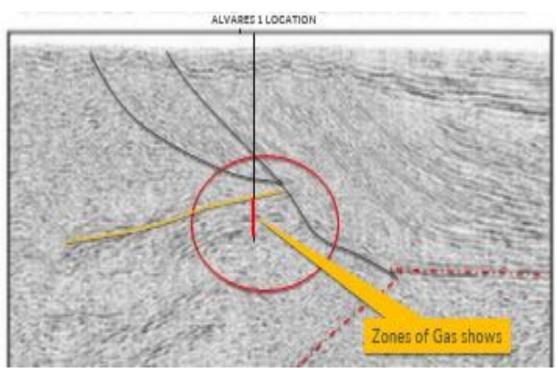
Appraisal/ Exploration - 2+ Tcf\* Gas

Reduced risk – Overlooked conventional matural gas discovery drilled in 1982 when wooking for oil

High Upside - 1500+ metres of gas shows with gas flow to surface

Highly prospective - On trend with analog Tulainyo and James wells with multiple stacked gas filled conventional sands in a mapped multi-Tcf prospect

Massive potential - 100% un-risked recoverable prospective resource of 2+ Tcf, only 13 Kilometres from major pipelines



**Published Texaco line** 



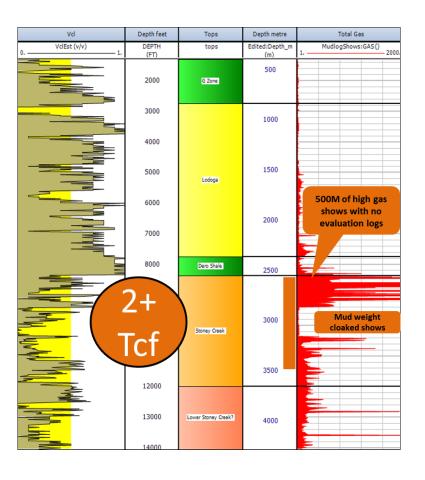
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## Alvares Project – 2D Seismic and 1500 metres of Gas Shows



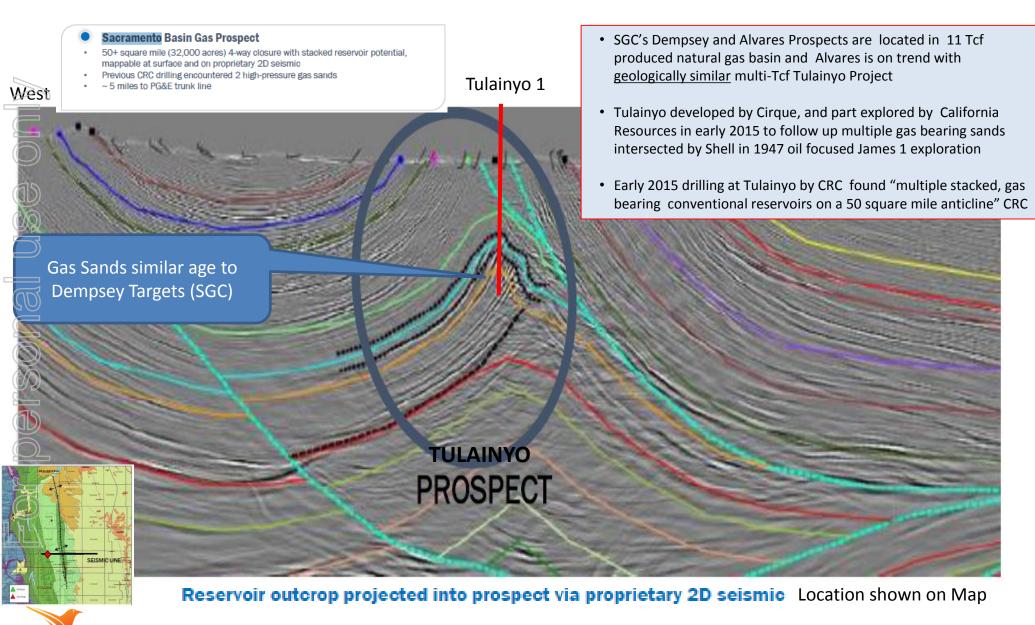
Conventional reservoirs in outcrop



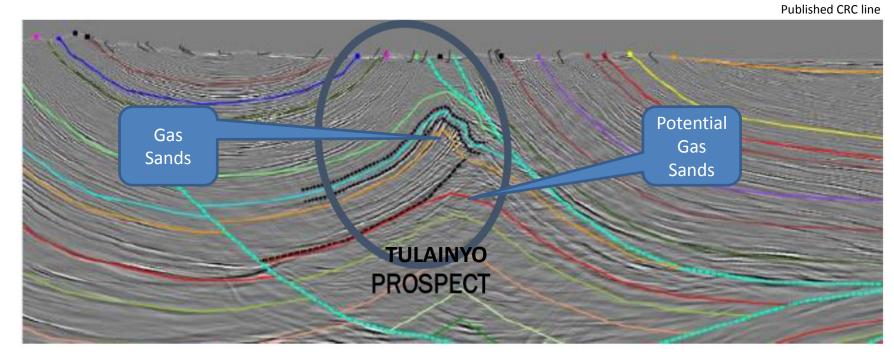


#### Tulainyo gas on trend with SGC Alvares overlooked gas discovery

SACGASCO



**Published Texaco line** 





#### Corporate overview

#### **Corporate Snapshot** SGC ASX Code: \$1.5m Cash (as at 31 March 3026): Market Cap (@\$0.07/share): ~\$14m 52 week high (\$/share): \$0.081 52 week low (\$/share): \$0.023 or personal Shares on issue: Post Placement ~196m Unlisted Options @\$0.15 (expire Dec 19): 22m Unlisted Options @\$0.10 (expire Sept 19): 11m Unlisted Options @\$0.03 (expire Sept 17): 1.1m

#### Register structure:



**Top 20 Shareholders** 

#### **Board & Management:**



**Andrew Childs** Chairman



**Gary Jeffery Managing Director** 



Phillip Haydn-Slater Non-Executive Director



**David McArthur Company Secretary** 



## **Exploration Project Costs**

Dempsey: 1+Tcf potential

US\$4m US\$2.2m

Total completion cost SGC share at 70% WI#

US\$0.7-\$6 m

SGC share at 69% Total completion cost

Alvares: 2+Tcf potential

US\$1-\$8m

Total completion co

Note:# Subject to farmout on wadvanced; SGC desire is to retain residual funding requirement. Note:# Subject to farmout on which discussions are well advanced; SGC desire is to retain 45 to 50% WI with smaller residual funding requirement.

> Work programme is discretionary, as all prospects are held under the USA Private Mineral lease system.





#### Recent Progress on value delivery

2016 - Acquired additional equity in and operatorship of Sacramento Basin Portfolio

Q4 2016 - Farmed out part of Sacramento Basin portfolio of follow-up prospects for leasing funds

Q1 2017 - Acquired additional producing conventional gas wells for infrastructure and prospect inventory

2017 - Farmed out 20% of Dempsey for funding 32.5% of drilling costs

Q1 2017 - Farmed out 10% of Alvares for funding 13.3% of drilling costs

More production to come with infrastructure and exploration upside



## Staged Growth and Value Delivery Plan

#### Phase 1: 1H 2017



Leasing to increase prospect diversification in Sacramento Basic over new large-scale targets

Test Alvares casing integrity for future re-entry and evaluation of gas shows

Drill Dempsey 1+ Tcf appraisal well

Work-over and drill additional conventional wells in known producing zones to increase production as gas prices improve

#### Phase 2: 2H 2017

Gas production from completion and quick connection of Dempsey Well upon success

Re-drill 2.4+ Tcf Alvares gas well

Appraisal/Development Drilling at Dempsey

Continue to increase lease holding using 'SGC internal knowledge' of large potential prospects

Phase 3: 2018+

Drill addition Drill additional large potential prospects

Connect successful well at Alvares into infrastructure

Acquire additional producing conventional gas wells for infrastructure and prospect inventory: single assets, fractional ownership and multi-well portfolios being assessed (2-50 wells portfolios)



#### **Investment Summary**

The California gas market has extremely favourable economics

Management are highly motivated to achieve results with a low cash burn rate

Gas is the transition fuel of choice in the US and will be for decades to come

Sacgasco has diversity in production and prospects with asymmetric upside potential based on its high-impact gas prospects





#### Contact

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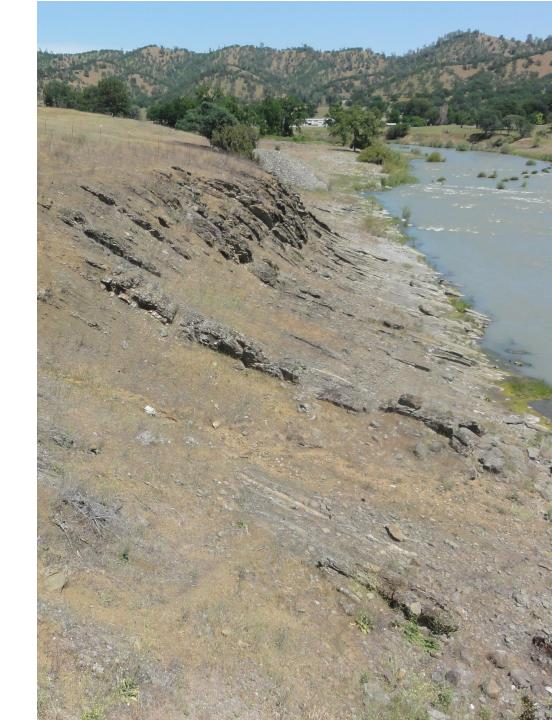
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#### Disclaimer

This document contains forward looking statements that are subject to risk factors associated with the oil and gas industry. It is believed that the expectations reflected in these statements are reasonable, but they may be affected by many variables which could cause actual results or trends to differ materially.

The technical information provided has been reviewed by Mr Gary Jeffery, Managing Director of Sacgasco Limited. He is a qualified geophysicist with over 43 years technical, commercial and management experience in exploration for, appraisal and development, and transportation of oil and gas. Mr Jeffery consents to the inclusion of the information in the form and context in which it appears.

Before investing it is recommended that you conduct your own due diligence and consult financial and technical advisors.

"These outsiders saw the giant <u>potential</u> at the heart of the <u>Sacramento Basin</u>, and they saw it by doing something the rest of the <u>players</u> never thought to do: **They looked**."

Adapted from the Big Short by Michael Lewis

