



8 August 2019

Companies Announcement Office
Via Electronic Lodgement

PENINSULA ENERGY LIMITED QUARTERLY RESULTS WEBCAST PRESENTATION

Peninsula Energy Limited (**Peninsula**) advises that it held an investor update webcast on 7 August 2019 including the attached presentation to cover the June 2019 quarter.

A recording of the webcast is available on the link below:

<http://www.pel.net.au> under "Announcements" subsection "Presentations".

Yours sincerely

A handwritten signature in black ink, appearing to read "J Whyte", is positioned below the "Yours sincerely" text.

Jonathan Whyte
Company Secretary

For further information, please contact our office on +61 8 9380 9920 during normal business hours.

June 2019 Quarter Results

Webcast | 7 August 2019



PENINSULA
ENERGY LIMITED



ASX: PEN

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Please note that in accordance with Clause 17 of the JORC (2012) Code, the potential quantity and grade of the “Exploration Target” in this presentation must be considered conceptual in nature as there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

Please note that Production Targets within this presentation are based on a proportion of inferred resources. There is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resource or that the production target itself will be realised.

Competent Person Statement

The information in this presentation that relates to Exploration Results, Mineral Resources or Ore Reserves at Peninsula’s Lance Projects is based on information compiled by Mr. Jim Guiling. Mr. Guiling is a Member of a Recognised Overseas Professional Organisation included in a list promulgated by the ASX (Member of Mining and Metallurgy Society of America and SME Registered Member of the Society of Mining, Metallurgy and Exploration Inc). Mr. Guiling is Principal of independent consultants World Industrial Minerals. Mr. Guiling has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr. Guiling consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

- **Highlights of the Quarter**
 1. **Low pH Permitting Approvals**
 2. **Low pH Field Demonstration Success and Planning**
 3. **Lance Results and Activities**
 4. **Quarterly Costs & Cash Flow Analysis**
 5. **Sect. 232 & Working Group**
 6. **Investment Highlights**



View from Mine Site Access Road

Mr. Wayne Heili – Managing Director & CEO

- The Lance Project, Ross Permit Area is Licensed for Low pH ISR
- The ONLY US ISR Project authorized to use this industry leading method

Permit to
Mine

✓ Amendment approved on 20 March, 2019

Source
Materials
License

✓ Amendment approved on 31 July, 2019

Phase 1

- ✓ Field Trial Demonstrations
- ✓ Successfully lower pH to 2.0 S.U. - *Complete*
- ✓ Raise pH back to 5.0 S.U. – *Under way*

Phase 2

- ✓ On submission of Interim Operations Report confirming Phase 1 success, **authorized** to use low pH in MU's 1 & 2

Phase 3

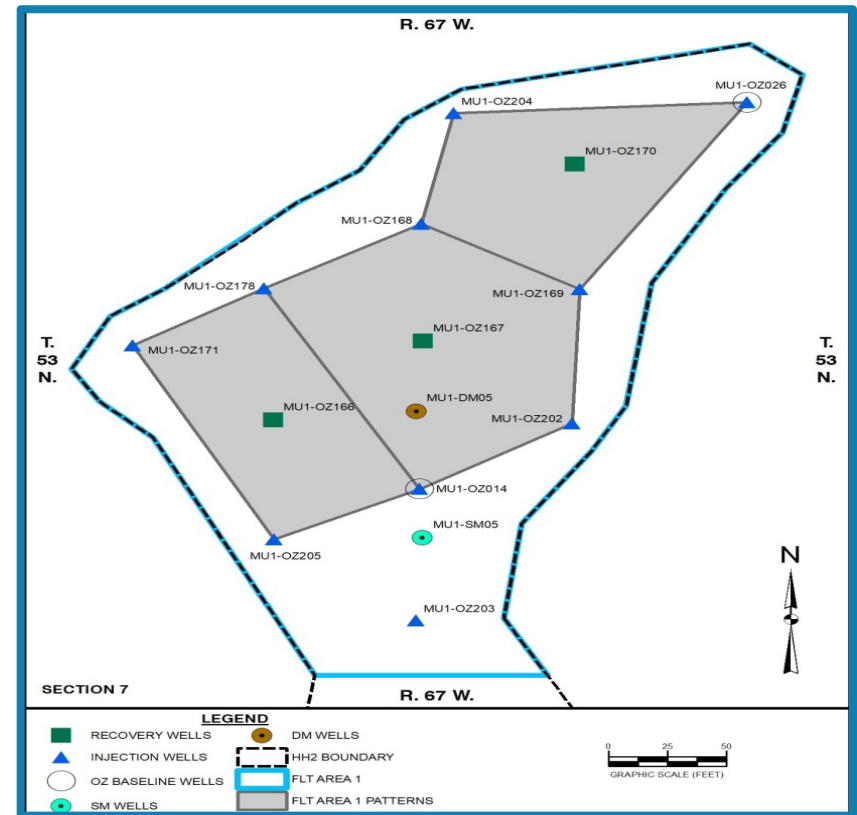
- ✓ Field demonstration continues with ground water restoration using industry standard techniques
- ✓ Submit Interim Restoration Report demonstrating restoration progression consistent with expectations

Phase 4

- ✓ Interim Restoration Report to be approved by WDEQ
- ✓ Upon approval of report, low pH use authorized in new mine units (MU-3 and beyond)

Phase 1 Status

- ***Mining phase successfully completed***
- Initial restoration phase started mid-April
- Using standard methods of ground water sweep followed by ground water transfer
- Initial restoration target is a pH of 5.0 S.U.
- Area pH level is now above 4.5 S.U. with consistent upward trend
- Anticipate successful completion of Demonstration Phase 1 in 3Q of CY19



Test Pattern Map (in MU-1)

- **Regulatory & Technical**

- Progress and complete low pH Phase 1 and Phase 3 demonstrations during 2nd half CY2019
- Continue low pH resin optimisation test work and studies

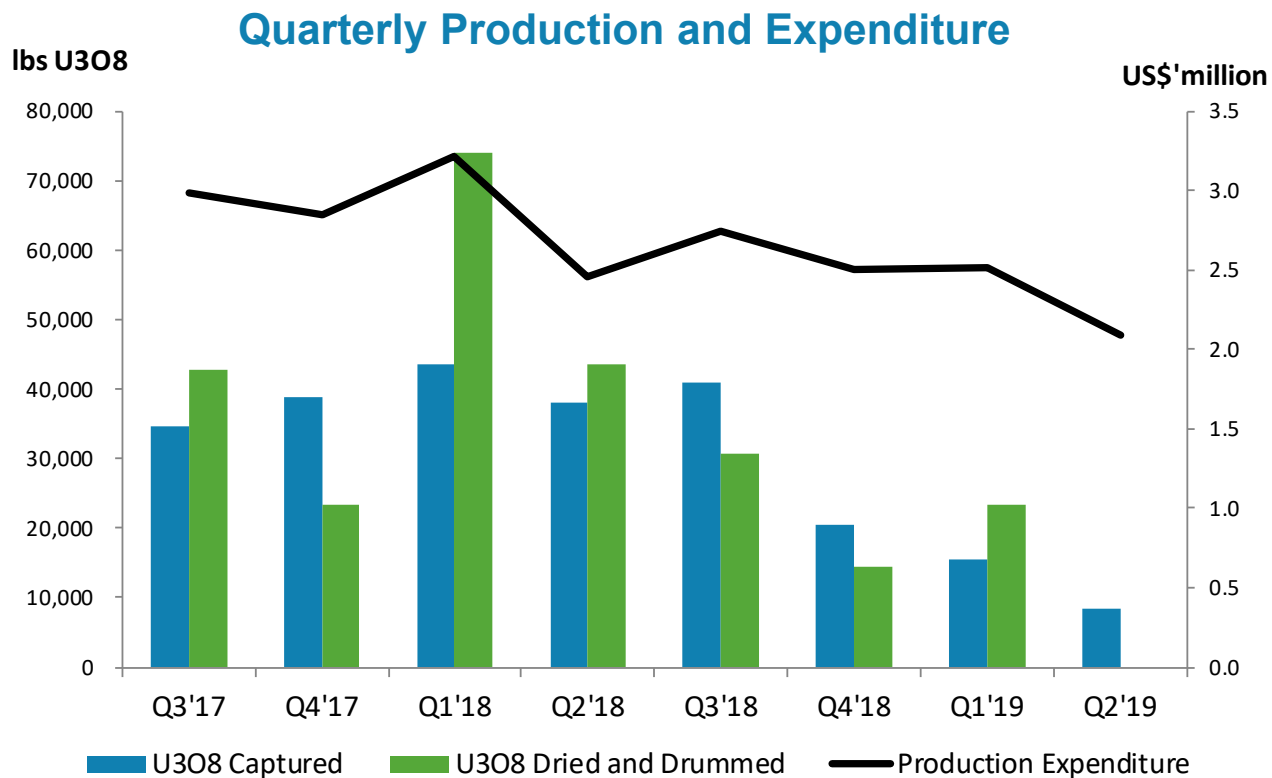
- **Low pH Operational Readiness at Lance**

- Maintaining full operational labor levels for resumption of activities
- Two fully developed wellfields with remaining recoverable resources
- Low pH operations could commence at any time after the submission of the field demonstration Initial Operations Report
- Using next 1-2 months to refine low pH ramp-up plan using learnings from field demonstration and to prepare the facilities

Lance – Alkaline Production Ramped Down in Advance of Low pH Transition

• June Quarter Production

- 8,491 lbs produced in the quarter
- No drying run in the quarter – next drying run to occur in August
- 106,000 lbs U_3O_8 sold on 1 April 2019
- Tightly controlled production expenditures during transitional period



Quarterly Cost Performance Review

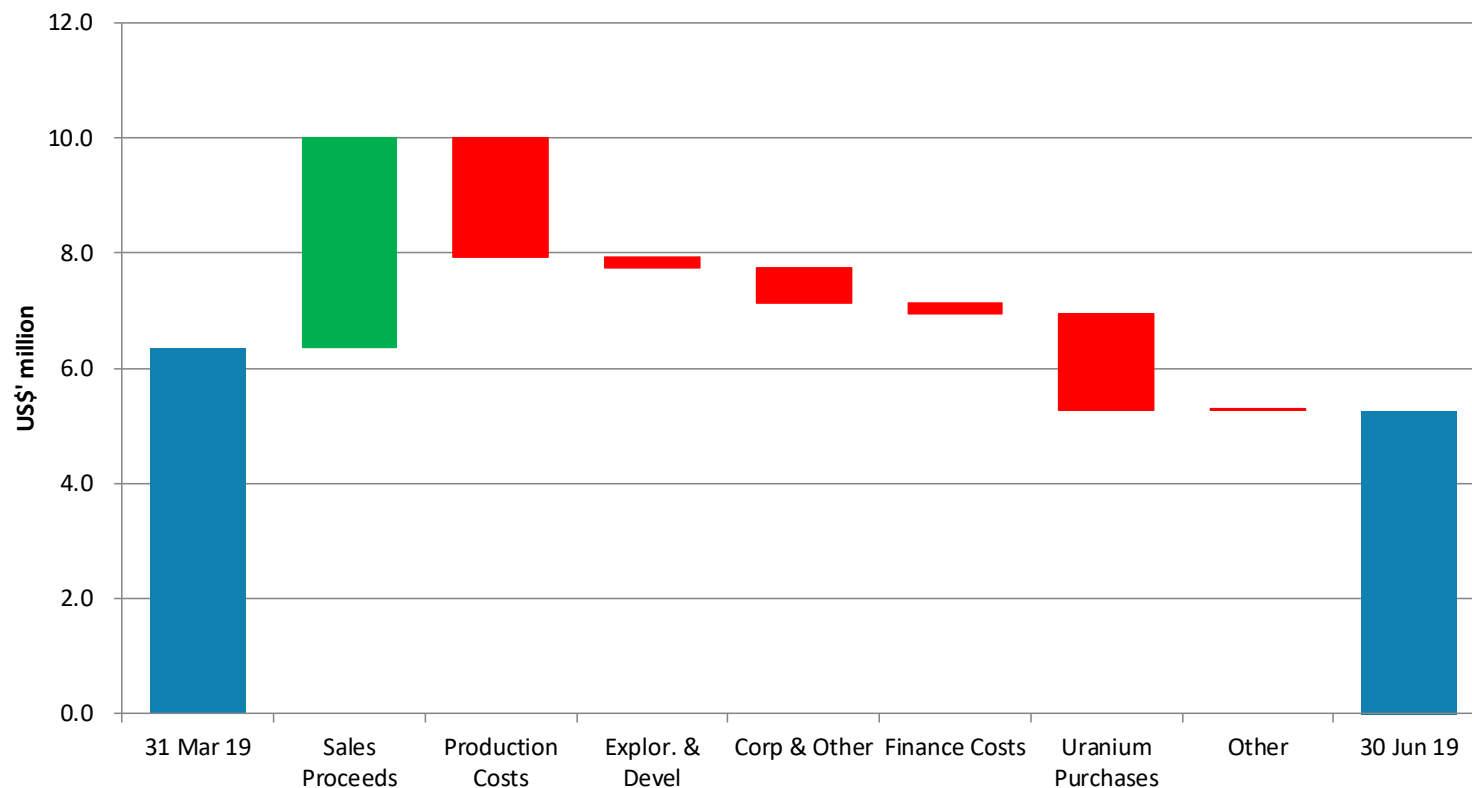
- Spending discipline continues

Payments for: (US\$'000)	Actual Sep Qtr CY18	Actual Dec Qtr CY18	Actual Mar Qtr CY19	Actual Jun Qtr CY19	F'cast Sep Qtr CY19
Exploration & Evaluation	159	394	31	32	100
Development & PPE	327	432	456	132	300
Production	2,739	2,502	2,517	2,091	1,500
Sales, Admin & Corporate ⁽¹⁾	329	242	324	290	300
Staff (Corporate)	539	331	380	338	500
	4,093	3,901	3,708	2,883	2,700

- Idling alkaline operations will further reduce operating expenditure next quarter
- Amount of development & PPE expenditure in September quarter will be determined by timing of investment decision on low pH transition

(1) Excludes payments for uranium purchases, financing charges and debt repayments

Available Cash⁽¹⁾ Balances and Movement



- Outflows for June Qtr lower than forecast
- Sales proceeds of US\$3.65m from delivery of 106,000 lbs U3O8 made on 1 April 2019
- Maintaining a robust cash balance without having to raise equity









1) Available Cash excludes amounts placed on deposit to secure guarantees and surety bonds

- **Section 232 Decision**

- Commerce Department recommended implementation of quotas
- View of other Departments varied
- Pres. Trump formed Nuclear Fuel Working Group with 90-Day review

- **Executive Branch Nuclear Fuel Working Group**

- Charged to complete a fuller analysis of national security considerations
- Led by Cabinet Level Department Heads
- Formed to develop recommendations for reviving and expanding US nuclear fuel production
- Peninsula is actively engaged with development of several industry trade association recommendations

Investment Criteria	Peninsula
Significant US uranium production asset – with a major project transformation in progress	
Experienced technical, commercial & financial team	
Ability to rapidly expand production rates	
Low current CAPEX requirements	
Strong leverage to rising uranium market prices	
The only ASX-listed company with direct exposure to US Executive Branch Working Group outcomes	
Long term sales contract protection	
Attractive valuation when compared to ISR peers	

Questions & Answers

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FURTHER INFORMATION

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