



whitebark  
ENERGY

## Growth through disciplined execution

---

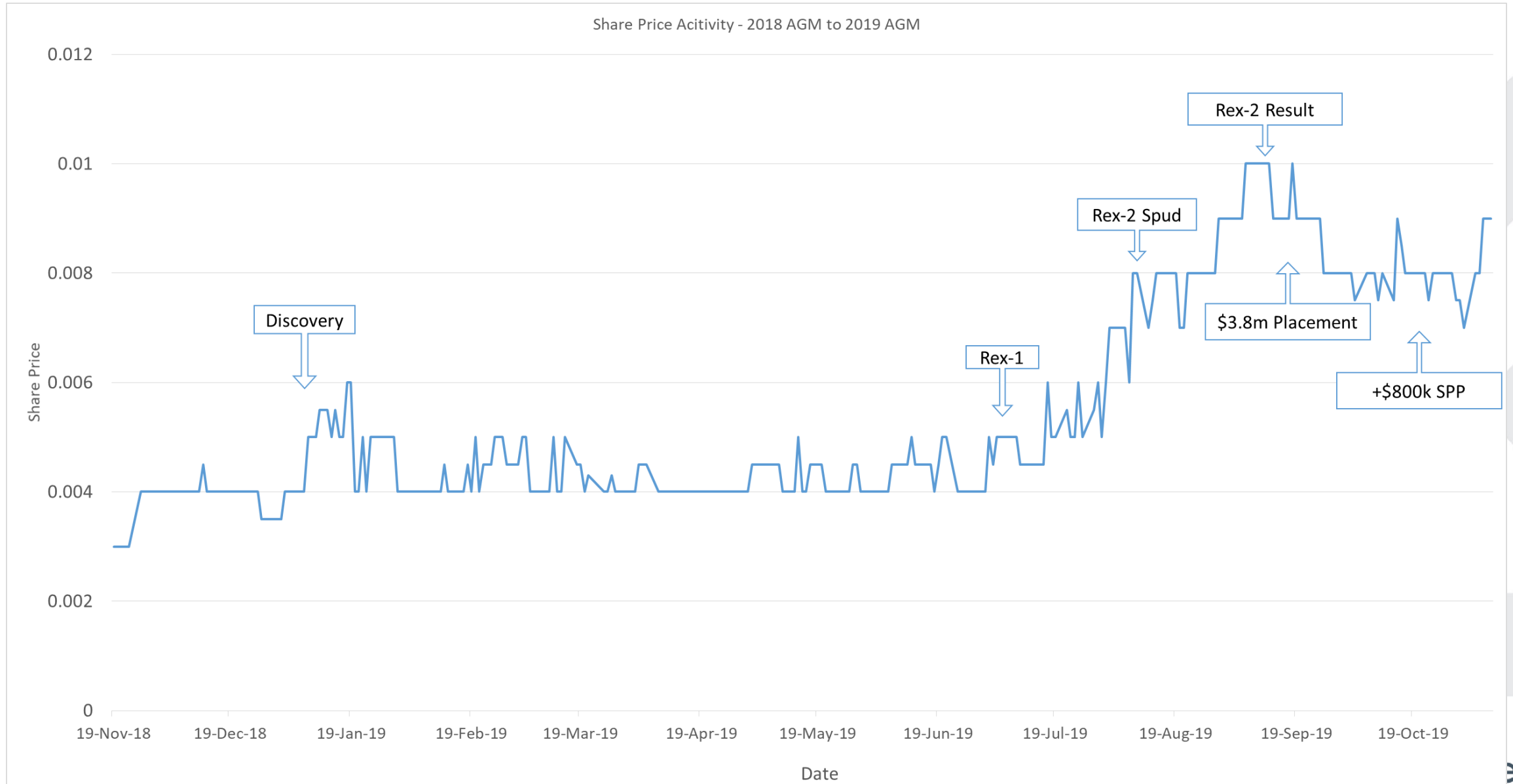
*Annual General Meeting  
11 November 2019*

# A TRANSFORMATIONAL YEAR

	Whitebark at 2018 AGM	Whitebark Today	Whitebark in 2020
	“Cash generating oil and gas assets with significant exploration upside”	“Canada oil growth story, with an emerging 20+ well project”	“Continued development of existing assets, exploration and acquisitions...”
<b>Activity Focus</b>	<ul style="list-style-type: none"> <li>Production growth through acquisitions</li> <li>Drilling Exploration Well(s)</li> </ul>	<ul style="list-style-type: none"> <li>Exploration well successful, two additional development wells drilled/underway</li> <li>Pipeline and facilities built</li> <li>On the hunt for new assets</li> </ul>	<ul style="list-style-type: none"> <li>Continue executing Wizard Lake project</li> <li>New projects / Asset opportunities</li> </ul>
<b>Assets &amp; Projects</b>	<ul style="list-style-type: none"> <li>Alberta, Canada: Pt Loma JV 20%-30% Producing assets &amp; exploration targets)</li> <li>Western Australia: Xanadu (25%) – sale announced, Warro (100%)</li> </ul>	<ul style="list-style-type: none"> <li>50% of Wizard Lake discovery with 20+ wells to go</li> <li>Added to Wizard Lake land at 50% and 100%</li> <li>Centre of gravity has moved to Alberta, and in particular Wizard Lake</li> </ul>	<ul style="list-style-type: none"> <li>Continue to develop Wizard Lake</li> <li>20+ more wells</li> <li>Targeting growth by acquisition</li> </ul>
<b>Production &amp; Reserves</b>	<ul style="list-style-type: none"> <li>1,400 boepd (gross)</li> <li>320 boepd (net)</li> <li>1P: 875 MBOE</li> <li>2P: 1113MBOE</li> </ul>	<ul style="list-style-type: none"> <li>1500 boepd (gross)</li> <li>400 boepd <u>constrained</u> (net)</li> <li>1P: 787 MBOE*</li> <li>2P: 1398 MBOE*</li> </ul>	<ul style="list-style-type: none"> <li>Targeting tripling production</li> <li>Growth in reserves through development, exploration and acquisitions</li> </ul>
<b>Market Capitalisation</b>	<ul style="list-style-type: none"> <li>\$6.3m</li> </ul>	<ul style="list-style-type: none"> <li>\$22.9m</li> <li>Share price up &gt; 100%</li> </ul>	<ul style="list-style-type: none"> <li>Work in progress...</li> </ul>

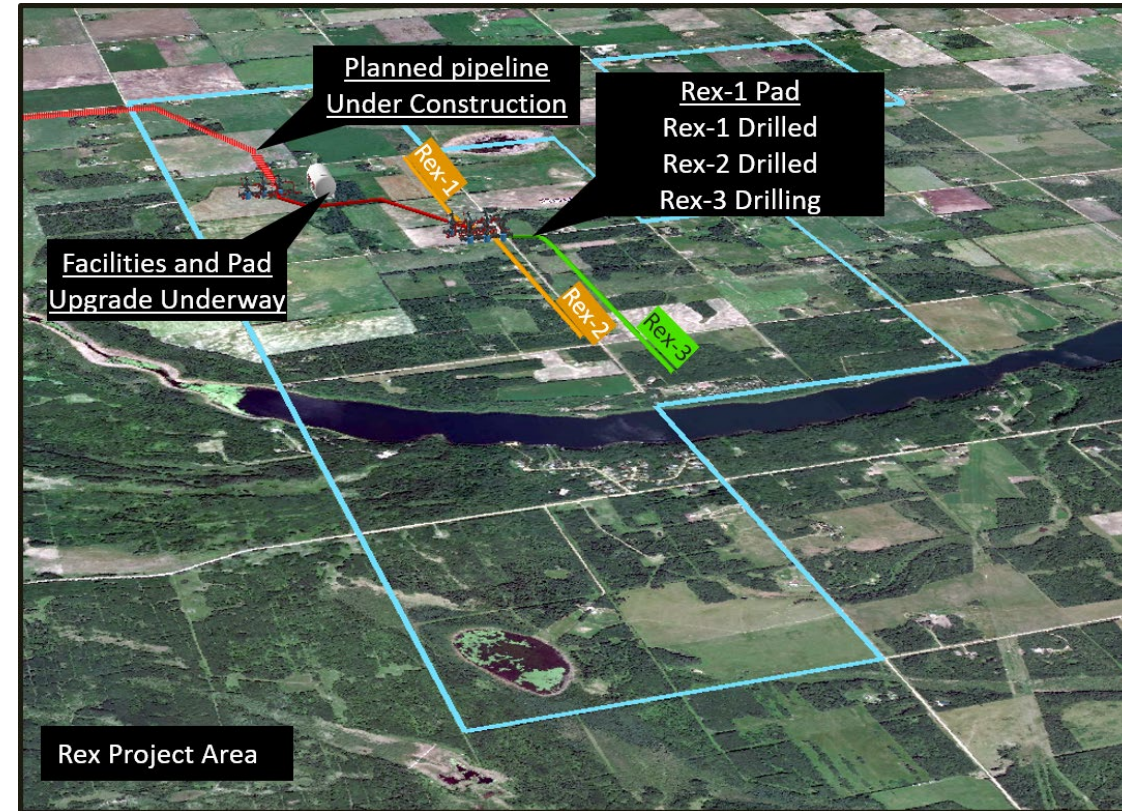
\* Excluding Rex-2 & 3

# SHARE PRICE PERFORMANCE – 12 MONTHS TO DATE



# WIZARD LAKE PROJECT - OVERVIEW

- **Targeting Cretaceous Rex Sand**
  - Data from Rex-1 and Rex-2 demonstrated excellent reservoir qualities (up to 21% porosity)
- **Previous producers in 1950-60's only targeted deeper Reef pools**
  - Historic data provides excellent well control
- **Modern drilling and completion techniques enhance economics**
  - Horizontal drilling and fracture stimulation techniques validated by success at Rex-1 and Rex-2
- **Substantial nearby infrastructure**
  - Refineries located ~25km by road, Transport costs ~C\$2.5/bbl
- **First oil from Rex-1 June, Rex-2 Sept, Rex-3 forecast - Dec 2019**
- **Working Interest**
  - Increases to 50% on Rex-3, Sole funded wells post Rex-3 attract 100% well interest until payout
- **Expanding Acreage in key Wizard Lake Project**
  - Acquired adjoining 1240 acres for a nominal cost, potentially adds an additional four (4) wells in the core channel
  - Additional acreage under due-diligence



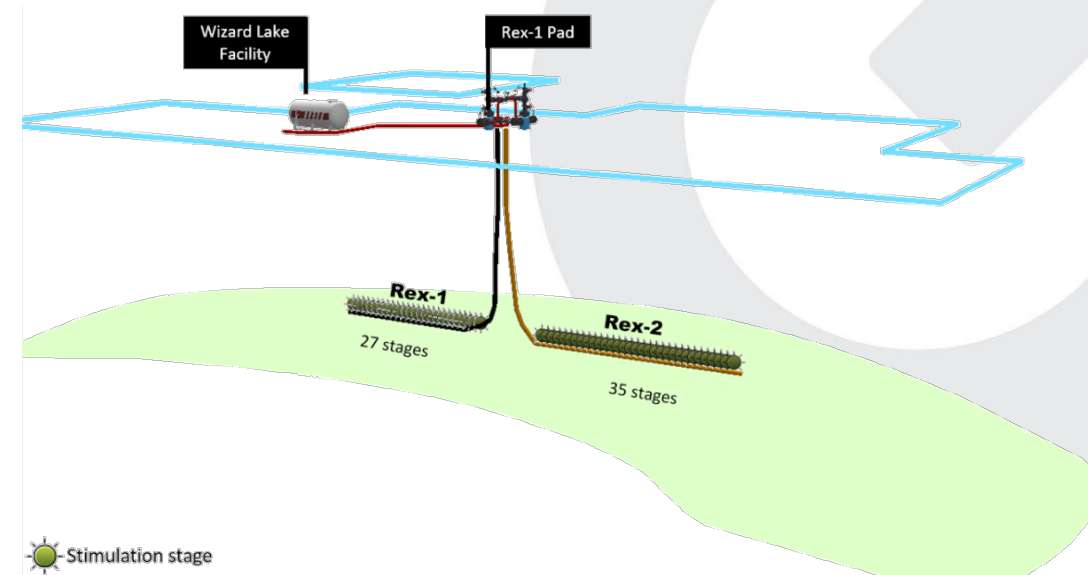
Up to 11mm boe field (pre Rex 2)



# REX-2 – PEAK RATE OF 865 BOE/D - NATURAL FLOW

Rex-2 drilled and fraced in August, tested in September 2019

- Initial (constrained) peak production 865 boe/d<sup>1</sup>
  - 540 bbls/d oil
  - 2 mmscf/d gas
- Elevated porosity levels of up to 21% recorded through the sand (Rex-1: 18%)
- Toe Vertical Depth 1,572 metres, lateral length ~1,500 metres
- 35 stage frac successfully completed in 30 hours
- Total well cost circa C\$2.2m
- Working Interest increased to 40%<sup>2</sup>
- Receiving 75% net income until payout



1 ASX Release 6 September 2019

2 ASX Release 31 May 2019

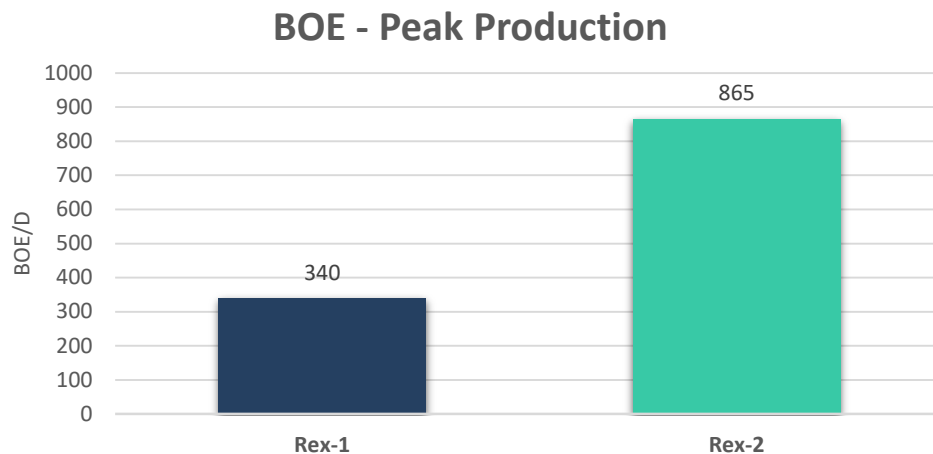
# WIZARD LAKE – REX WELLS – SIGNIFICANT OPERATIONAL IMPROVEMENT

## Rex-2 significantly outperformed Rex-1<sup>1</sup>

- Unexpectedly high gas of 2.1mmscf/d
- Rex-2's peak production outperformed Rex-1 by 154%
- Rex-2 potentially changes the expected production profile of the upcoming development wells
- Significantly enhanced payback ratios

## Rex-3 has exciting potential

- Spud November 2019
- Longer well (1,800m) with additional frac stages (45)



	Rex-1	Rex-2	Rex-3
Depth	1,414m	1,408m	<b>1405m</b>
Length	1,237m	1,500m	<b>1800m</b>
Stages	27	35	<b>45</b>
Final 24hr Rate Oil	305bpd (day 16)	350bpd – Constrained (day 7)	?
Final 24hr Rate Gas	0.17mmcf/d (day 16)	2.1 mmscf/d (day 7)	?
Final 24hr Rate BOE	340boe/d	700boe/d Constrained	?
<b>Peak Production BOE</b>	<b>340boe/d</b>	<b>865boe/d constrained</b>	?

<sup>1</sup> ASX Release 6 September 2019



# ACCELERATED DEVELOPMENT PROGRAM

- The initial production from Rex-2 significantly outperformed expectations<sup>1</sup>, potentially redefining the production profile of upcoming development wells.
- \$4.6m placement and share purchase plan in October 2019<sup>2</sup> to accelerate infrastructure capacity upgrade, Rex-3 spud, and 2020 program.
- Rex-3 – Q4CY19                      Rex-6 – Q3CY20  
Rex-4 – Q1CY20                      Rex-7 – Q4CY20  
Rex-5 – Q2CY20                      And more to follow
- Sole funded wells post Rex-3 attract 100% well interest. In the event this occurs, Whitebark's production profile will be notably enhanced.

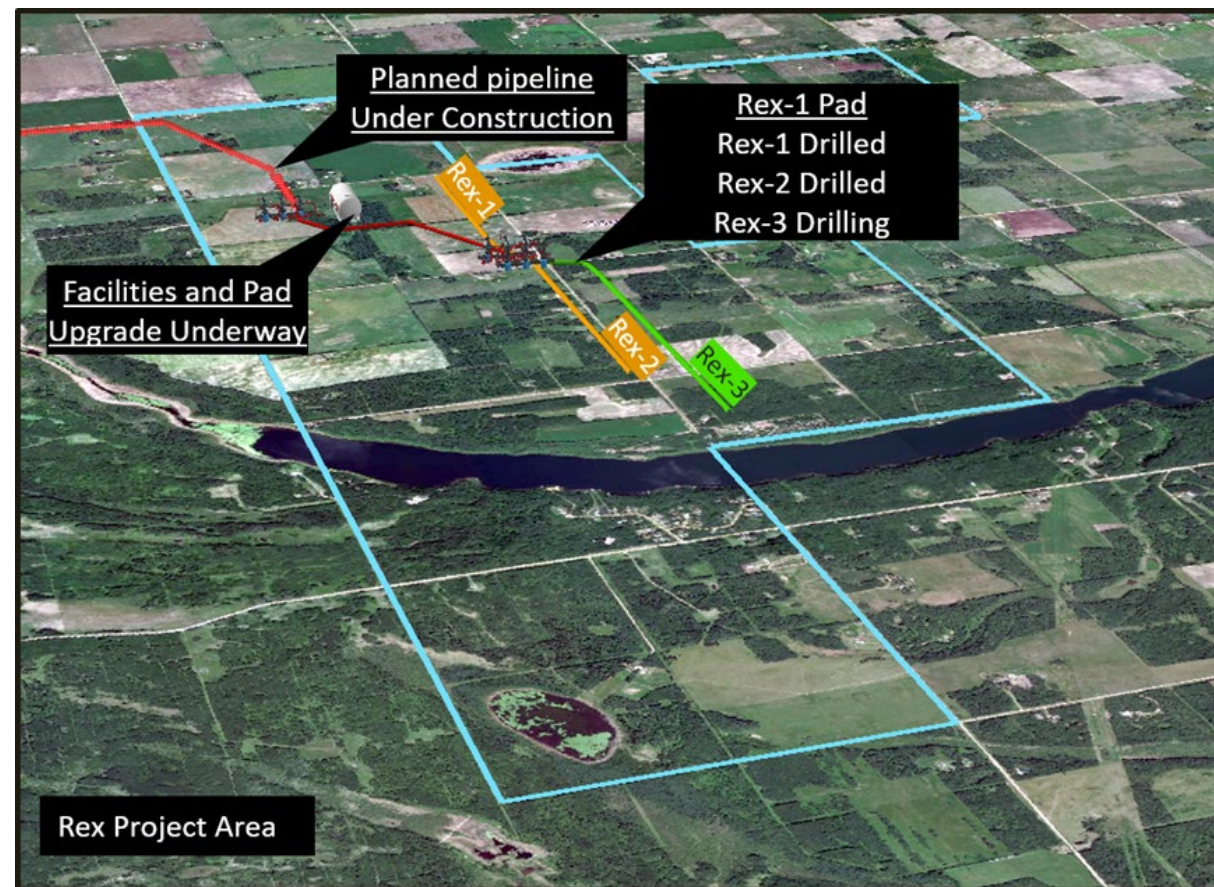


1 ASX Release 6 September 2019  
2 ASX Release 26 September & 22 October 2019



# GAS PIPELINE AND FACILITY UPGRADES

- **Stage 1 of Wizard Lake facility installed for oil recoveries** (permitted to flare ~1mmscfpd of gas)
- **Modular gas facility upgrades originally planned for post Rex-3**
- **Rex-2 far exceeded gas expectations at >2mmscfpd, requiring production to be significantly constrained to 1mmscfpd**
- **Wizard Lake expansion of facilities underway:**
  - Onstream Engineering Ltd appointed
  - New separator (capable of 5000 bpd of fluid and 5 mmscfpd of gas) secured and expected to be operational in early Decembe.
  - 3km pipeline construction underway
- **Facility upgrades will enable Whitebark to:**
  - Bring Rex-1 back to production
  - Unlock the exciting potential of Rex-2 (currently constrained)
  - Bring Rex-3 into production in December and provide for future drilling activity





# Q4 NEXT STEPS – PIPELINE, FACILITIES AND REX-3

## Infrastructure

- ~3km pipeline under construction to connect to local gas network to sell Wizard gas
- Upgrade of modular facilities underway to ensure higher gas and oil production rates can be managed safely and efficiently

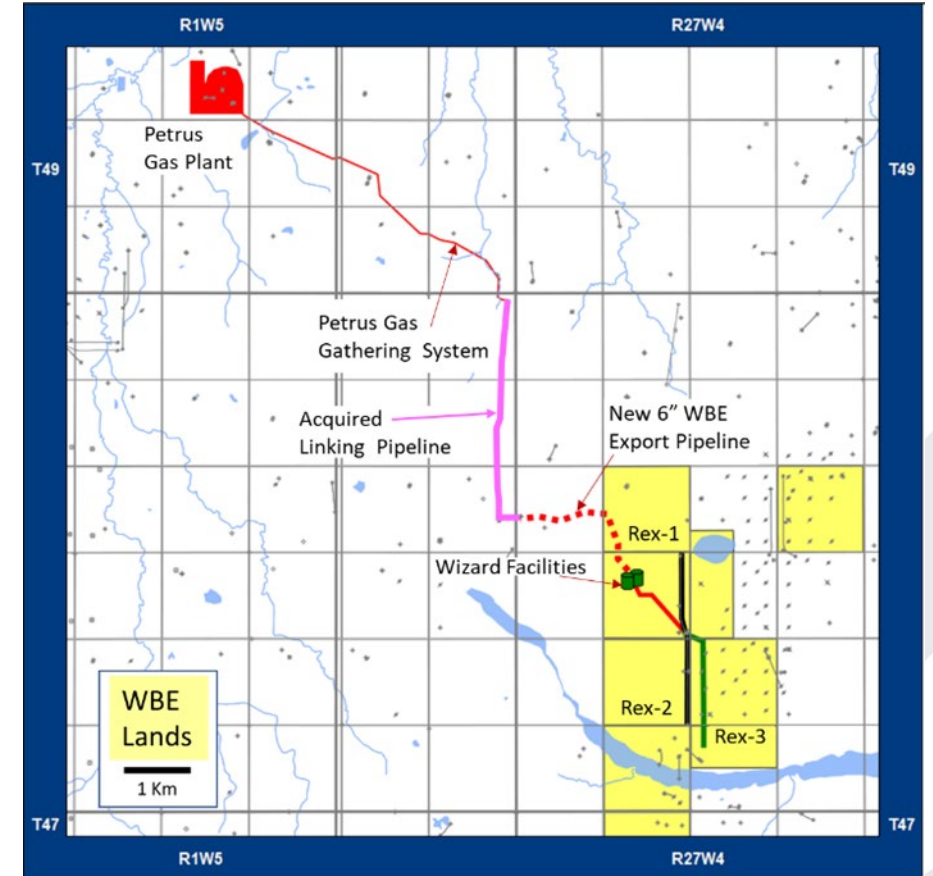
## Rex-3

- WBE Working Interest 50% after completion
- 75% payout on gross profit until capital spend payback
- Onsite operations commence 10<sup>th</sup> November 2019
- Well design built on successful Rex-2 + 28% extra length

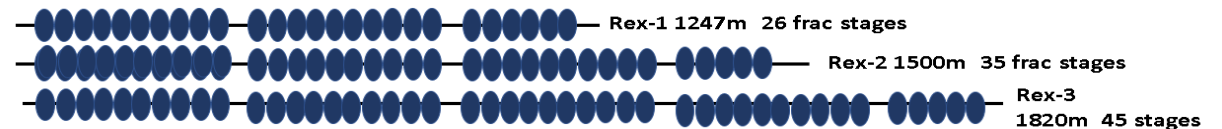
## Plan Rex-4 & Rex-5 for drilling in H1 2020

- Well locations identified
- Plan drill program for targeted spudding of wells in Q1CY2020

**Likelihood of more than 20 gross possible well locations<sup>1</sup>**



Schematic



# DEVELOPING A TRACK RECORD OF SUCCESSFUL EXECUTION

## Exploration



- Drilled two horizontal wells at Wizard Lake during FY 2018/19<sup>1</sup> - On budget and on schedule
- Rex-1 December 2018, Rex-2 August 2019, Rex-3 underway
- Expanded Wizard Lake by acquiring adjoining 1240 acres. Potentially adds 4 wells in core channel<sup>5</sup>

## Development



- Installed cost effective modular production facilities at Wizard Lake for Rex-1 in Q2 2019<sup>2</sup>
- Expansion underway to cater for current and future wells. Additional processing capacity for oil and gas, plus ~3 km gas pipeline - expected to be completed in 4Q 2019<sup>6</sup>

## Production



- Two producing wells brought on-line in 2019: Rex-1 and Rex-2<sup>3</sup>
- Each well exceeded initial target gross production target
- Targeting net production of ~800 boepd by end of CY2019 (Technically exceeded following Rex-2)

## Capital Management / Corporate



- Flexible funding solutions for Wizard Lake project – placement, rights issue and SPP (high level of participation for existing shareholders)<sup>4</sup>
- Focus on Canada – cost effective high impact exploration relative to Australia

1 ASX Releases 26 November 2018 and 29 July 2019

2 ASX Release 5 June 2019

3 ASX Release 6 September 2019

4 ASX Releases 1 August & 25 October 2018, 22 March 2019

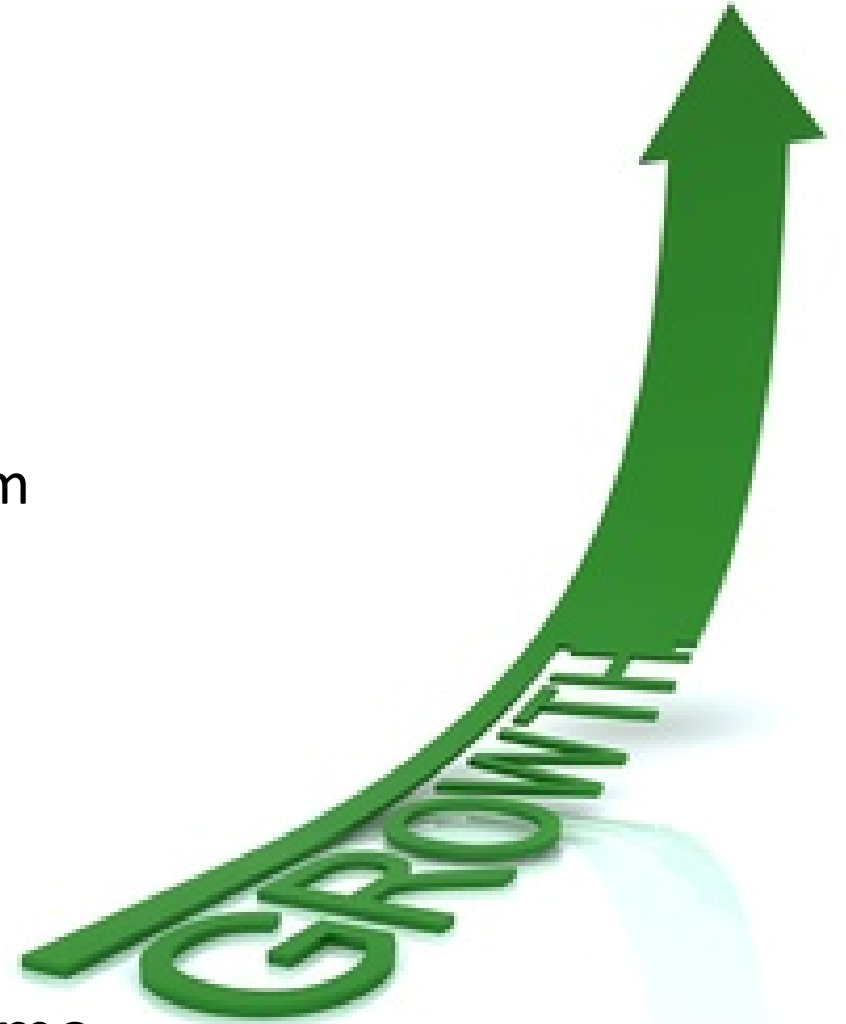
5 ASX Release 1 October 2019

6 ASX Releases 4 and 6 November 2019

## Transformational Period for WBE

- Secured Wizard Lake opportunity
- First two successful wells drilled on time and on budget
- Results exceeded expectations
- Accelerated facilities upgrade and development program
- Modular and scalable infrastructure
- 3km pipeline and connecting pipeline acquisition
- Increased working interest and landholding
- Speedy approvals, quick implementation

**....and there's more than 20 additional wells to come**





# RESERVES & RESOURCES STATEMENT\*

30 June 2019					
	Crude Oil	Natural Gas	Condensate	Natural Gas Liquids	Total
	Mbbl	MMcf	Mbbl	Mbbl	MBOE
<b>1P</b>					
Producing	97	2134	2	38	493
Non-Producing	1	35		1	8
Undeveloped	207	425		9	286
<b>Total 1P</b>	<b>305</b>	<b>2594</b>	<b>2</b>	<b>48</b>	<b>787</b>
<b>2P</b>	<b>519.5</b>	<b>4723</b>	<b>3.3</b>	<b>88</b>	<b>1398</b>
<b>3P</b>	<i>Only assessed for Wizard Field (See table to right)</i>				

Wizard Lake Reserves @ 30 June 2019										
	WI	End June (30% WI)			End August (40% WI)			50% WI (Farm in Stage 2)		
		Oil	Gas	Total	Oil	Gas	Total	Oil	Gas	Total
		Mbbl	MMcf	MBOE	Mbbl	MMcf	MBOE	Mbbl	MMcf	MBOE
<b>Reserves</b>	<b>1P</b>	132	287	180	176	382	240	220	478	300
	<b>2P</b>	225	507	310	300	676	413	375	846	516
	<b>3P</b>	285	804	419	380	1072	559	475	1340	698
<b>Contingent</b>	<b>1C</b>	550	1202	750	733	1602	1000	917	2003	1250
	<b>2C</b>	1015	1595	1281	1353	2126	1708	1692	2658	2135
	<b>3C</b>	2071	2518	2491	2761	3358	3321	3452	4197	4151
<b>Prospective</b>	<b>1U</b>	84	132	106	112	176	141	140	220	177
	<b>2U</b>	189	305	240	252	406	320	315	508	400
<b>Unrisked</b>	<b>3U</b>	438	350	496	584	467	662	730	584	827

*Note : 1P and 2P Reserves included in McDaniels Reserves estimate, 3P, Contingent and Prospective Reserves have been estimated internally*

## Prospective Resource Estimates Cautionary Statement

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, as well as a risk of development. Further exploration, appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons

Conversion of gas to Barrels of Oil Equivalent (BOE) is done on the basis of 6mcf = 1 BOE.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of oil and gas reserves and resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

\* Refer to ASX Release 22 August 2019

# DISCLAIMER

No representation or warranty, expressed or implied, is made by Whitebark Energy Ltd that the material contained in this presentation will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, Whitebark Energy, their officers, employees and advisers expressly disclaim any responsibility for the accuracy or completeness of the material contained in this presentation and exclude all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission therefrom. Whitebark Energy do not have any responsibility to update any person regarding any inaccuracy, omission or change in information in this presentation or any other information made available to a person nor any obligation to furnish the person with any further information.

This presentation contains certain statements which may constitute "forward-looking statements". Whitebark Energy believe that the expectations reflected in these statements are reasonable. However such statements are only predictions and are subject to inherent risks and uncertainties and changes in the underlying assumptions which could cause actual values, results, performance or achievements to differ materially from those expressed, implied or projected in any forward-looking statements.

The information in this presentation is an overview and does not contain all information necessary for investment decisions. In making investment decisions investors should rely on their own due diligence and consult with their own technical, legal, tax, business and/or financial advisers.

All dates in this presentation are for calendar years unless stated FY for financial year and all references to \$ are in Australian currency, unless stated otherwise.

## **Cautionary Statement Prospective Resource Estimates**

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, as well as a risk of development. Further exploration, appraisal and evaluation is required to determine the existence of a commercial quantity of potentially moveable hydrocarbons.

## **References and Competency Statements**

The Company confirms that that it is not aware of any new information or data that materially affects the information included in the relevant market announcements included in this presentation and, in the case of oil and gas Reserves and Resource Estimates, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

## **A Note Regarding Forward Looking Information**

This announcement includes certain statements related to our future business and financial performance and future events or developments involving Whitebark Energy Limited ('WBE' or 'the Company') that may constitute forward-looking statements. All statements, other than statements of historical fact, that refer to any future oil and gas production, resources or reserves, exploration results and events that the Company expects to occur are forward-looking statements. Although the Company believes that the expectations in those forward looking statements are based upon reasonable assumptions, such statements are not a guarantee of future performance and actual results or developments may differ materially from the outcomes anticipated. This may be due to several factors, including market prices, exploration and exploitation success, and the continued availability of capital and financing, plus general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance, and actual results or performance may differ materially from those projected in the forward-looking statements. The Company does not assume any obligation to update or revise its forward-looking statements, whether as a result of new information, future events or otherwise.

# Thank you

---

David Messina

Managing Director

E: [david.messina@whitebarkenergy.com](mailto:david.messina@whitebarkenergy.com)

