Investor Presentation

Colby Hauser – Managing Director & CEO

3 March 2023



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Corporate Strategy Updates



Equity Raising and Walyering funding

- Talon has secured firm commitments from institutional and sophisticated investors to raise \$12m via a Single Tranche Placement ("Placement") to complete its funding requirements at Walyering ahead of first gas targeted during 1H CY23
- In addition to the Placement, Talon will offer Eligible Shareholders the opportunity to participate in a non-underwritten share purchase plan at the same issue price as the Placement to raise up to an additional \$2.0m, with the ability to accept oversubscriptions ("SPP")
- This capital raise was initiated despite Talon receiving credit approved debt terms from debt providers. The Board has formed the view, that equity funding provides the greatest opportunity to grow value for shareholders
- Importantly, equity funding provides the flexibility for Talon to:
 - ✓ Optionality in utilisation of cashflows
 - ✓ Pursue organic growth through accelerated exploration of the recent entry in the L7 / EP437 permit in the Perth Basin; and
 - ✓ Evaluate options, and continue strategic discussions, with respect to accelerating value realisation from Talon's Mongolian and/or Perth Basin assets as outlined below

Mongolia strategic review

- Talon has commenced a strategic review regarding the Company's Gurvantes XXXV CSG interest in Mongolia
- These options could include a de-merger or other alternative transaction structures
- Talon has received approaches from numerous parties expressing interest in Gurvantes XXXV CSG

Gurvantes XXXV Strategic Review



Talon has commenced a strategic review of its highly prospective Mongolia interests

- Strategic review commenced regarding Talon's 33% interest in Gurvantes XXXV CSG Mongolia
- Gurvantes is highly attractive with near-term value catalysts driven by the pilot well program and significant exploration potential
- The Board's objective in conducting a strategic review is to determine how to optimise the value of the highly prospective Mongolian asset for Talon shareholders
- These options could include a de-merger or other alternative transaction structures
- The current 'see-through value' of Talon's 33% interest is ~\$23.9m or ~\$0.045 per Talon share based on TMK's current Enterprise Value
- Talon has received approaches from numerous parties expressing interest in Gurvantes XXXV CSG
- Talon has engaged Sternship Advisers to assist with the strategic review

Gurvantes See-Through Valuation	Unit	Value
TMK Share Price (01-Mar-23)	A\$/sh	0.013
TMK Shares Outstanding (basic)	m	4,638
TMK Market Cap	A\$m	60.3
TMK Net Cash (31-Dec-22)	A\$m	(2.6)
TMK Enterprise Value	A\$m	57.7
TPD Interest in Gurvantes	%	33%
EV (100%)	A\$m	86.1
Talon's see-through (33% interest)	A\$m	28.4
Less: Talon farm in expenditure (US\$3.15m)	A\$m	(4.5)
Implied value of TPD's interest	A\$m	23.9
Implied value for TPD 's Gurvantes interest	A\$/sh	0.045

Equity Raising Details



\$12m in firm commitments secured through a Placement. In addition to the Placement, Talon will offer a SPP of up to \$2m on the same terms.

Offer Structure	 Talon has secured firm commitments from institutional and sophisticated investors to raise \$12m via a Single Tranche Placement ("Placement") to complete its funding requirements at Walyering ahead of first gas targeted during 1H CY23 Talon also proposes a Share Purchase Plan ("SPP") which aims to raise A\$2m at the same price as the Placement New Shares from the Placement and SPP will rank pari passu with existing shares
Placement	 Fixed bookbuild at A\$0.145 per New Share ("the Price") to raise a minimum of A\$12m The Price represents a discount of 12.1% to the last closing price of A\$0.165 and 14.9% to the 5-day VWAP of A\$0.170 Single tranche placement of ~82.76m New Shares will be issued under the Company's available Listing Rule 7.1 and 7.1A capacity
Share Purchase Plan	 Talon is proposing to offer Eligible Talon Shareholders the opportunity to apply for New Shares pursuant to a non-underwritten SPP Offer Price of A\$0.145 per New Share (same as the Placement Price) Eligible Talon Shareholders can apply for up to A\$30,000 less any prior participation under the SPP undertaken in May 2022 (given second SPP in a 12-month period) Further information regarding the SPP will be provided to eligible shareholders in the SPP offer booklet which will be provided following the completion of the Placement. The Company may in its absolute discretion scale back applications or accept oversubscriptions to raise a higher amount. The SPP is not underwritten, and there is no guarantee the Company will raise the target Talon proposes to use its ASX Listing Rule 7.1 placement capacity to complete the issue of the SPP Shares
Use of Proceeds	 The proceeds of the Placement will be used for: Walyering capital costings Opex charges at Walyering during commissioning and ramp-up activities Perth basin exploration activities General working capital and costs of the Placement A detailed sources and uses of funds is presented on page 7
Broker Syndicate	 Canaccord Genuity (Australia) Limited and Bell Potter Securities Limited are acting as Joint Lead Managers. Wilsons Corporate Finance Limited has been appointed as Co-Manager to the Placement.

Equity Raising Details



Key Event Timeline for the Placement and SPP outlined below

Placement and SPP timetable

Event	Date*
Record Date for eligibility to participate in SPP	2 March 2023
Announcement of Placement and SPP and lodgment of Appendix 3B	3 March 2023
Settlement of New Shares under the Placement	10 March 2023
Allotment of New Shares under the Placement and lodgment of Appendix 2A and Cleansing Notice	13 March 2023
Dispatch of SPP Offer Booklet	14 March 2023
SPP Opening Date	14 March 2023
SPP Closing Date	4 April 2023
Announcement of SPP Results	13 April 2023 (before noon Sydney time)
Issue of SPP New Shares and lodgment of Appendix 2A	13 April 2023 (before noon Sydney time)

^{*} Timetable is subject to change. Talon reserves the right to alter the above dates at its discretion and without notice, subject to the ASX Listing Rules and Corporations Act

Funding & Capital Structure



Talon will be funded for its upcoming commitments and Walyering development

Below are estimates and used for summary purposes only

Indicative Sources and Uses	
Sources	A\$m
Cash (as at Dec 31, 2022)	12
Placement ¹	12
Share Purchase Plan ^{2,3}	2
Total Sources of Funds	26
Uses	A\$m
Walyering: Facility, Well Completions and Pipeline CAPEX	7
Walyering: Pre-production OPEX, G&A and Contingency	2
Gurvantes: Pilot Well and Exploration Program	7
L7/EP437: Lump Sum, Well Planning, G&A	1
Talon Corporate and Broker Costs	3
Forecast Commitments	20
Additional Working Capital	6
Total Uses of Funds	26

Talon Pro-Forma Capital Structure

	Ordinary shares
Existing shares on issue	~527m
Placement shares to be issued	~83m
SPP shares to be issued ⁴	~14m
Total Ordinary Shares	~623m

¹Before costs

²The Company is targeting \$2m under the SPP, however the Company may in its absolute discretion scale back applications or accept oversubscriptions to raise a higher amount. The SPP is not underwritten and there is no guarantee the Company will raise this amount. Talon proposes to use its ASX Listing Rule 7.1 placement capacity to complete the issue of the SPP Shares.

³As the SPP will be the second share purchase plan the Company has undertaken in the past 12 months, the Company proposes to utilise its available placement capacity under ASX Listing Rule 7.1 to complete the issue of the new Shares under the SPP or alternatively seek appropriate ASX waivers of ASX Listing Rule 7.1 to allow the SPP to proceed less than 12 months after the Company's pervious share purchase plan announced in April 2022. Under the SPP, Eligible Shareholders will be able to apply for new Shares at the issue price of \$0.145 per Share up to a maximum application size of \$30,000, less any participation in the Company's pervious share purchase plan announced in April 2022.

⁴Assuming the targeted SPP amount of \$2m.

Corporate Overview

TALON energy

Emerging producer with near term cashflow and several growth catalysts

Capital Structure						
Ordinary shares on issue (ASX:TPD)	526,816,935					
Cash Balance	~\$12m (31 Dec 22)					
Unlisted Options	17,950,000					
Unquoted Performance Rights	22,775,000					
Market Capitalisation (a) \$0.165 (undiluted)	~\$87 million					

TPD ASX Chart	Share Price Pe	rformance ·	- 6 mont	hs	
\$0.20					
\$0.18		4,01	A .		\setminus
\$0.16		V V		√	
\$0.14	V				
\$0.12					
Sep	Oct	Nov	Dec	2023	Feb

Board & Management						
Doug Jendry	Non-Executive Chairman					
Colby Hauser	Managing Director & CEO					
David Casey	Non-Executive Director					
Matt Worner	Non-Executive Director					
Chris Kohne	Chief Financial Officer					
Darren Ferdinando	Exploration Manager					
Jo-Ann Long	Company Secretary					

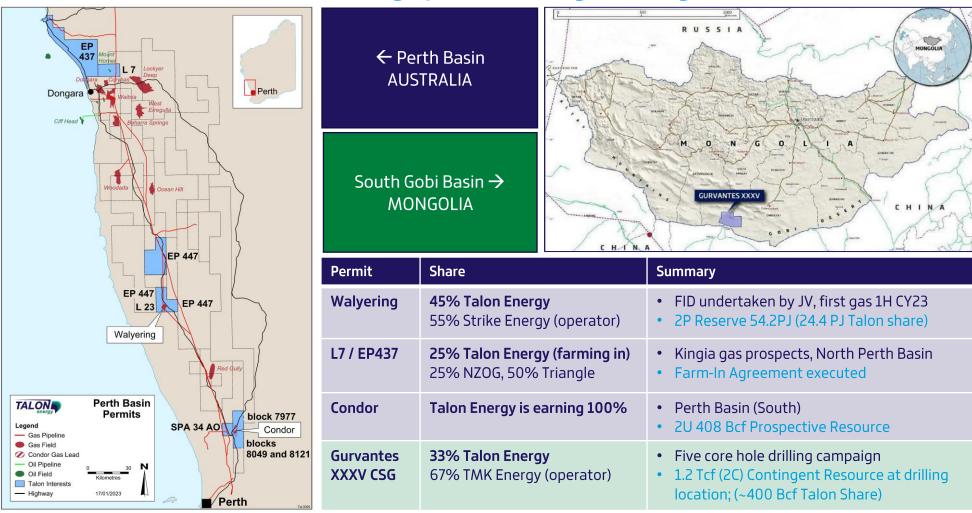
- Company entering next phase of growth
- Company will be fully funded to enter production at Walyering
- First gas targeted during 1H CY23

Talon will have a strong capital position to fund development of our sequenced portfolio

Executing on a diversified portfolio



Foundations are built. Downside largely de-risked; significant growth imminent



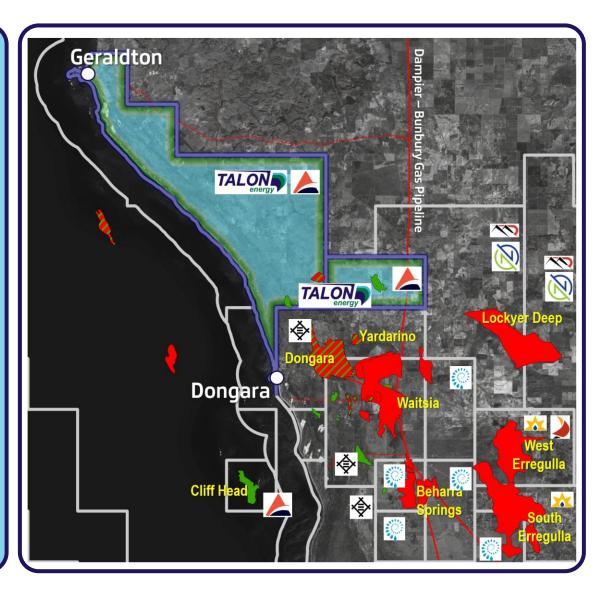
Our non-operated position across the portfolio = capital efficient business model

Perth Basin Consolidation

Corporate activity is heating up

TALONenergy

- The north Perth Basin is where the M&A interest has been focused to date
- There have been several prolific Kingia gas discoveries in recent years
- Talon's recent entry into the L7 / EP437 permits put it square in this area.
 - 3D has been shot across both permits
 - Data currently being interpreted
 - Final data set is imminent
 - L7 expected to be drilled early 2024
- Now more than ever, there is an urgent requirement for infrastructure positions to be established



Investment Highlights



Talon is an emerging oil and gas producer with a high quality diverse portfolio

#1 - Imminent cashflow

- Walyering first gas targeted during 1H 2023, up to \$30m p/a (net) to Talon.
- Timing of first gas subject to the grant of final regulatory approvals, APA gas pipeline connection and Strike as the operator

#2 – Exploration Upside

- Further upside in additional Walyering prospects
- Entry in to L7/EP437 permits, exposure to Kingia Gas prospects in north Perth Basin
- Sizeable Perth Basin Jurassic Wet Gas Prospect in Condor (in process of acquiring 100% Int.)
- Gurvantes XXXV Project (1.2 Tcf gross) rapidly developing to service China's energy demand

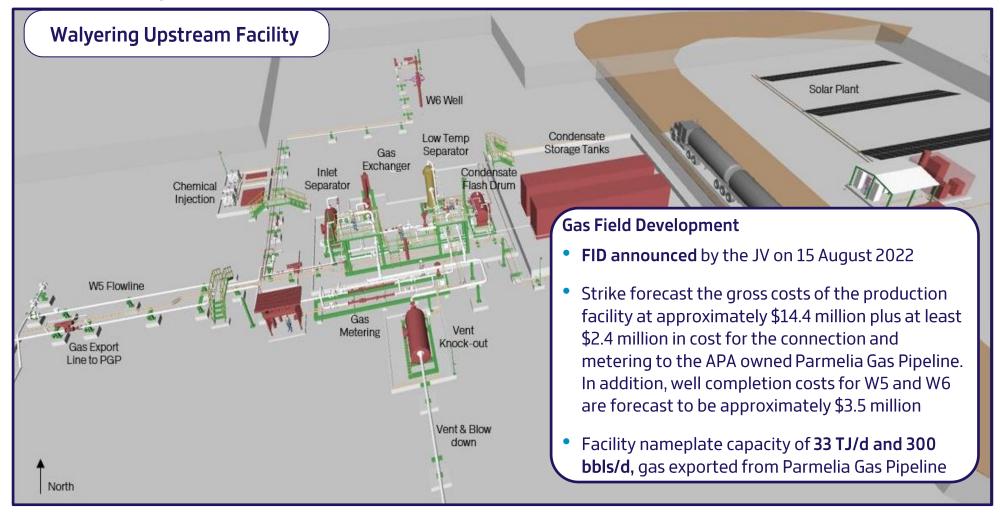
#3 – Near-term value catalysts

Talon transitioning from Explorer to Producer

Imminent Cashflow - Walyering Project



Low CAPEX, quick to market



Low CAPEX and OPEX contribute to excellent project profitability

Imminent Cashflow - Walyering Offtake

TALON energy

Two Revenue Streams

Gas Markets

- Join Venture has executed a Gas Sales Agreement with Santos for a minimum of 36.5 PJ
- Spot market pricing has increased more than 100% in the last 2 years
- Domestic Gas Supply is tightening, spot pricing in WA trending above \$8 / GJ, prices expected to trend higher

	JAN 2023	DEC 2022	NOV 2022	OCT 2022	SEPT 2022	AUG 2022
Maximum Price	\$8.00	\$7.00	\$6.60	\$6.60	\$6.25	\$6.14
Average Price	\$7.06	\$6.91	\$6.10	\$5.86	\$5.82	\$5.62
Minimum Price	\$7.00	\$6.88	\$6.10	\$5.85	\$5.80	\$5.60

Condensate

Source: gastrading.com.au

- Production estimated to be between 150 -300 bbls/d
- Offtakes and transportation currently being negotiated

Cash Flow

• Both products combined are expected to produce between \$50-75m in gross cashflows per annum

Projected net cash flows up to \$30m per annum net to Talon

Exploration Upside: Perth Basin – Walyering Prospectivity



TALON

Potential for additional wet gas discoveries in EP447 / L23

 Walyering Gasfield has been excised from EP 447 into a separate Production Licence (L23), creating two plays:

Leads in the excised Exploration Permit (EP447)

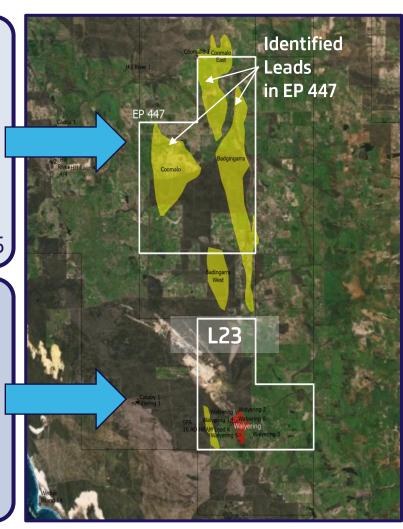
Identified additional prospectivity in EP 447;

- Three large leads identified in the northern part of recently renewed EP 447 (Talon Energy 45%)
- Talon and EP 447 Operator, Strike Energy, to fully characterise these leads in early 2023
- Will high grade one lead to prospect and drill in 2024/25

Resources within the Production License (L23)

Walyering Gasfield has 3P upside potential of 82.4PJ, plus an additional 80PJ of 3C + 3U resource

- 3P upside has a production life of ~9 years if producing at an average of 27TJ/d
- With contingent and prospective resource upside, field life could extend to 18 years of production

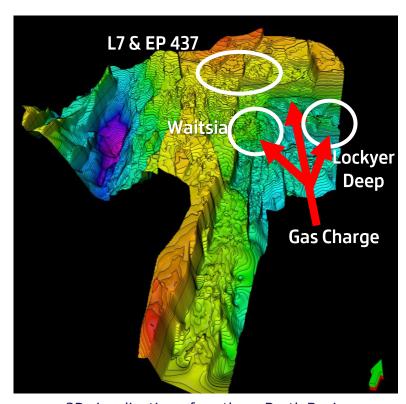


Talon's exploration upside materially higher with L7 / EP437 TAL



Talon Energy acquiring a 25% interest in L7 and EP 437 in the northern Perth Basin

- Agreement signed to acquire a 25% interest in Exploration Permit 437 and Production Licence L7 in the northern Perth Basin from Triangle Energy executed 1st March 2023
- Strategic location covering 865 km² in the northern Perth Basin, with prior work by Triangle¹ indicating a best case Prospective Resource (2U) of 617 Bcf (gross, unrisked) for five features in the L7 permit alone
- L7 & EP 437 adds significant value upside to Talon's portfolio:
 - Diversifies the portfolio by bringing in Early Permian dry gas opportunities
 - Minimal upfront entry cost of A\$1.9 million
 - Bookara 3D seismic survey completed
 - Exposure to material prospective gas volumes
- Further discoveries in the adjacent EP 368 permit (MinRes and Norwest Energy) could significantly upgrade the prospectively of L7 and EP 437
 - MinRes seeking to finalise acquisition of Norwest Energy, whose permits are adjacent to L7, at a 65% premium (shares at Dec 15) indicate this area is highly prized



3D visualisation of northern Perth Basin showing gas charge into L7 area

Exploration Upside: Perth Basin – Condor

Another Walyering Field analogue...

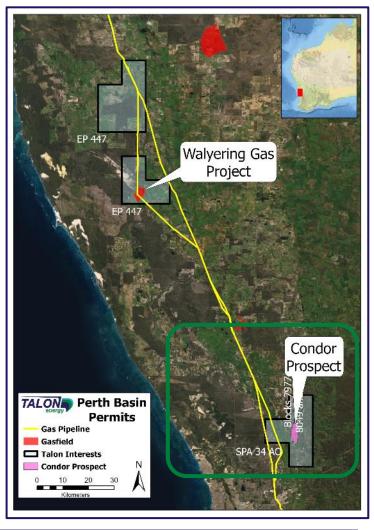
- Talon has a binding option agreement to acquire 100% of the Condor lead. Permit transfer from DMIRS in progress.
- Condor is the largest untested Jurassic wet gas structure in the Perth Basin

	Condor Structure - Un-risked Prospective Resource Talon Interest (option to acquire 100%)							
Low (P90) Best (P50) High (P10)						LO)		
Permit	Condensate (MMbbl)	Gas (Bcf)	Condensate (MMbbl)	Gas (Bcf)	Condensate (MMbbl)	Gas (Bcf)		
EP494	9.5	202	20.2	408	39	710		

Cautionary Statement: The estimated quantities of petroleum that may potentially be recovered by the application of future development projects 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. For more information on the above Prospective Resources, refer to ASX announcement dated 17 March 2021. Talon confirms that it is not aware of any new information or data that materially effects the information contained in that Announcement and that all material assumptions and technical parameters underpinning the estimates contained in that Announcement have not materially changed.

- Prospective Resource recently audited by RISC
- The conventional sandstone reservoir targets are much shallower (vs. Walyering)
 - Cheaper drilling costs and better quality reservoir
- Access to market, DBNGP and PGP run through permit





Talon will hold 100% of Condor - could be up to 5X larger than Walyering

Exploration Upside: Mongolia - Gurvantes XXXV



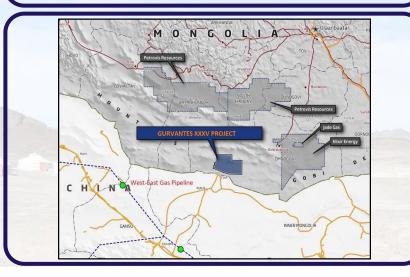
Multi Tcf CSG prospect, close to Chinese energy market

Size of the Prize:

- World Class discovery on first exploration campaign
- 100% drilling success
- Independently certified contingent resource (2C)
 - ~1.2 Tcf (~400 Bcf net Talon)
- Talon Energy has now acquired 33%, by making election and funding Stage 2 (Pilot Program)
- Located in South Gobi Basin.
- Closest project to major Chinese gas pipelines
- 3 Well Pilot program underway:
 - Long Lead Items ordered, Drilling Rig/Services contracted
 - Drilling to commence in Q2 2023
 - Commissioning Pilot Well Q2 2023
 - Production Test Q3-Q4 2023

Country	Basin	Coal Rank	Coal Thickness (m)	Gas Content (m3/t ar)	Permeability (mD)
	San Juan Basin	Sub/Bituminous	1 - 13 m	<3 - 25	<10 - 100mD
US	Powder River Basin	Sub-bituminous	1 - 75 m	0.1 - 4	1 - 1000mD
Canada	WCSB	Sub/Bituminous	1 - 4 m	0.8 - 2.3	3 - 5mD
Australia	Bowen Basin	Bituminous	1 - 30 m	1 - 11	0.5 - 13.6mD
Australia	Surat Basin	Sub/Bituminous	3 - 4 m	1 - 8	0.07 - >500mD
	Qinshui Basin	Anthracite	1 - 15 m	15 - 20	0.01 - 3mD
China	Ordos Basin	Bituminous	1 - 11 m	4 - 23	1 - 5mD
Mongolia	Gurvantes XXXV	Bituminous	60 - 91m	9.3 - 13.2	0.04 - 47mD

*Flores R.M., 2014 Coal and Coalbed Gas Fuelling the Futu

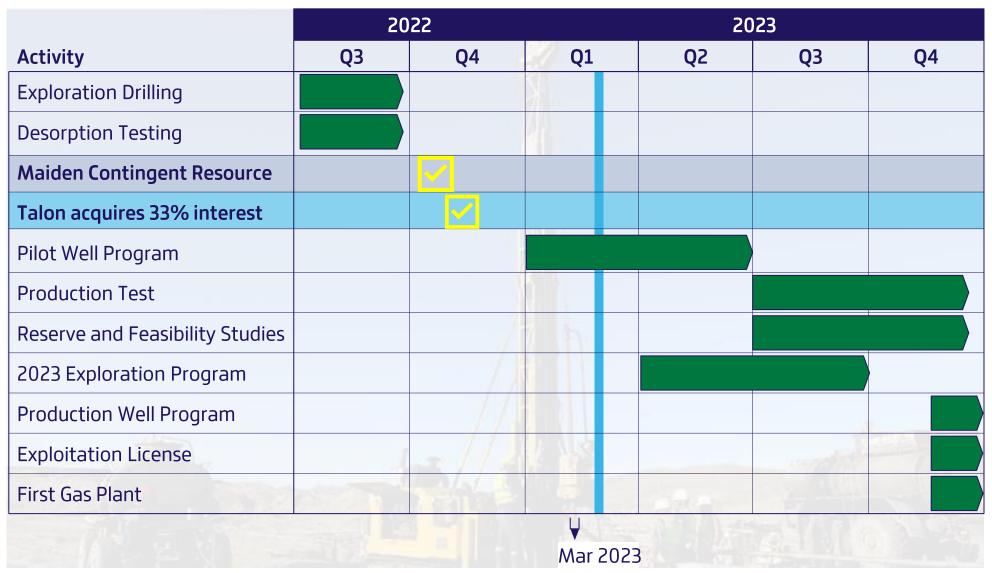


1.2 Tcf Contingent Resource (2C) booked (NSAI) early November, the largest to date in Mongolia

Exploration Upside: Mongolia - Gurvantes XXXV



Project Timeline



Near term value catalysts

Talon moves from Explorer to Producer





Walyering development funding secured



and
Condensate
Agreements
for Walyering

Onsite
Construction
and
Commissioning
at Walyering

First Revenues from Walyering

Look to farm out interest in Condor Permit

EXPLORER

Gurvantes
independently
certified
Contingent
Resource



Commit to
Stage 2 and
finalise farm-in
on Gurvantes
Project



Commence Gurvantes pilot well program Strategic review commenced seeking to optimize value for shareholders HIGH MARGIN PRODUCER

Key:



Perth Basin Catalysts



Mongolia Catalysts

^{*}Timelines are indicative only. Talon may choose not to farm-out Condor.

Resource Information

Perth Basin

Competent Persons Statement: Information in this report that relates to Prospective Resource information in relation to the Walyering Prospect and Contingent Resource information in relation to Ocean Hill is based on Prospective Resource and Contingent Resource information compiled by Strike Energy Limited, the operator both EP447 and EP495. Information in this report that relates to Prospective Resource that relates to the Condor Structure is based on information complied by Mr. John Begg and Mr. John Lamberto, both consultants to the Company. This information was subsequently reviewed by Dr Darren Ferdinando PhD, BSc (Hons), who has consented to the inclusion of such information in this report in the form and context in which it appears. Dr Ferdinando is the Exploration Manager of the Company, with approximately 30 years relevant experience in the petroleum industry and is a member of The American Association of Petroleum Geologists (AAPG) and a Fellow of the Petroleum Exploration Society of Australia (PESA). The resources included in this report have been prepared using definitions and guidelines consistent with the 2018 Society of Petroleum Engineers(SPE)/World Petroleum Council(WPC)/American Association of Petroleum Geologists(AAPG)/Society of Petroleum Evaluation Engineers (SPEE) Petroleum Resources Management System (PRMS). The resources information included in this report are based on, and fairly represents, information and supporting documentation reviewed by Dr Ferdinando. Dr Ferdinando is qualified in accordance with the requirements of ASX Listing Rule 5.41 and consents to the inclusion of the information in this report of the matters based on this information in the form and context in which it appears.

Undeveloped Reserve – Walyering Conventional Gas Project

Cautionary Statement: The Reserves and Resources information in this Announcement are derived from the "Walyering Reserves and Resources Report EP447 Perth Basin" produced for Talon Energy by RISC on 20 July 2022 (Reserves and Resources are as at 1 July 2022). The Reserves and Resources assessment was prepared in accordance with the definitions and guidelines set forth in the 2018 Petroleum Resources Management System (PRMS) approved by the Society of Petroleum Engineers (SPE). As presented in the 2018 PRMS, petroleum accumulations can be classified, in decreasing order of likelihood of commerciality as Reserves, Contingent Resources, or Prospective Resources. Different classifications of petroleum accumulations have varying degrees of technical and commercial risk.

Prospective Resources – Condor Structure

Cautionary Statement: The estimated quantities of petroleum that may potentially be recovered by the application of future development projects 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. For more information on the above Prospective Resources, refer to Talon's ASX announcement dated 17 March 2021. Talon confirms that it is not aware of any new information or data that materially effects the information contained in that Announcement and that all material assumptions and technical parameters underpinning the estimates contained in that Announcement have not materially changed. Gurvantes XXXV CSG Project Mongolia

Competent Persons Statement. The information in this report that relates to Prospective Resource information for the Gurvantes XXXV Project is based on information compiled by Mr.. John Hattner, an employee of Netherland, Sewell & Associates Inc., and who is a Qualified Petroleum Reserves and Resources Evaluator (OPRRE). This information was subsequently reviewed by Mr. David Casey BSc (Hons), who has consented to the inclusion of such information in this report in the form and context in which it appears. Mr. Casey is a director of the Company, with approximately 30 years relevant experience in the petroleum industry and is a member of The Society of Petroleum Engineers (SPE), the Australian Institute of Mining and Metallurgy (AusIMM) and the Petroleum Exploration Society of Australia. The resources included in this report have been prepared using definitions and guidelines consistent with the 2007 Society of Petroleum Engineers/World Petroleum Council/American Association of Petroleum Geologists (AAPG)/Society of Petroleum Evaluation Engineers Petroleum Resources Management System (PRMS). The resources information included in this report are based on, and fairly represents, information and supporting documentation reviewed by Mr. Casey, Mr. Casey is qualified in accordance with the requirements of ASX Listing Rule 5.41 and consents to the inclusion of the information in this report of the matters based on this information in the form and context in which it appears.

Prospective Resources – Gurvantes XXXV CSG Project

Cautionary Statement: The estimated quantities of petroleum that may potentially be recovered by the application of future development projects 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. For more information on the above Prospective Resources, refer to Talon's ASX announcement dated 18 August 2021. Talon confirms that it is not aware of any new information or data that materially effects the information contained in that Announcement and that all material assumptions and technical parameters underpinning the estimates contained in that Announcement have not materially changed.

Resource Information

Perth Basin

Perth Basin Production Permit L7

Competent Persons Statement: The information in this report that relates to Prospective Resource information for the Perth Basin Production Permit L7 is based on and fairly represent information and supporting documentation prepared and authorised by Dr Douglas Gillies, who is a full-time employee of Triangle Energy (Global) Limited (TEG). Dr Gillies is a qualified resources estimator in accordance with ASX listing rule 5.41, and has consented to the inclusion of this information in the form and context in which it appears. Dr. Gillies holds a Bachelor of Science (Hons) and a PhD (Edinburgh) in geology, is a member of the Society of Petroleum Engineers (SPE) and Petroleum Exploration Society of Australia (PESA) with over 30 years of experience practicing in Petroleum Geology.

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

The estimates of Prospective Resources included in the announcement have been prepared in accordance with the definitions and guidelines set forth in the Petroleum Resources Management System ("PRMS") as revised in June 2018 by the Society of Petroleum Engineers. The PRMS defines prospective resources as those quantities of petroleum which are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations.

All Prospective Resources indicated for L7 are calculated for a Gross 100% interest in the Permit and were calculated using a probabilistic method, then resource ranges for the prospects and leads were summed arithmetically. The volumes reported are "Unrisked" in the sense that the Geological Chance of Success (GCoS) factor has not been applied to the designated volumes but currently are considered to be in the moderate to high range.

These prospects were mapped using 2D seismic data which has been recently reviewed and reinterpreted. TEG has applied a range of reservoir parameters based on regional well information.

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