**AFRICA ENERGY CORP** 

## Funded Near-Term, High-Impact Exploration

May 2020

A LUNDIN GROUP COMPANY The Odfjell Deepsea Stavanger rig drilled the Brulpadda-1AX discovery in February 2019 and will return to South Africa in 2020 to drill up to three more wells on Block 11B/12B.

## **Corporate Profile**



- Independent oil and gas exploration company
- Backed by the Lundin Group
- Proven technical team from Energy Africa / Tullow Oil
- Recent major discovery with Total offshore South Africa
- Funded near-term, high-impact exploration drilling on Block 11B/12B and Block 2B

# Retail & Africa Oil Corp. Institutional 33% 49% Board Lundin Family & Management 11%

Corporate Snapshot		
AFE/AEC	TSX-V/First North Ticker	
C\$0.225 SEK 1.62	Share Price at May 6, 2020	
789.4	Common Shares (million)	
58.8	Stock Options (million)	
\$130	Market Cap (US\$ million)	
\$0	Debt (US\$)	
\$26.3 <sup>(1)</sup>	Cash at Mar. 31, 2020 (US\$ million)	
8	Number of Employees	

(1) In addition, the Company had US\$3.1 million of net cash and escrow in Main Street 1549 to fund future exploration on Block 11B/12B.

Asset F	ootprint	
1	AFRICA ENERGY PEL 37  Windhoek	
	NAMIBIA	BOTSWANA Gabonyo
Sputh	BLO 2	BECOMBOTION LESGTHO  SOUTH  AFRICA
Atlantic Ocean	BI	Mostal Bay Port Elasbeth  RICA EPIGN  OCK  1/12B

<b>Equity Research</b>		
Arctic Securities	Oslo	Daniel Stenslet
Canaccord Genuity	London	Charlie Sharp
Carnegie Securities	Oslo	Lauritz Georg Karvel
Fearnley Securities	Oslo	Jørgen Torstensen
Numis Securities	London	Thomas Martin
Pareto Securities	Oslo	Tom Erik Kristiansen
SpareBank 1 Markets	Oslo	Teodor Sveen-Nilsen

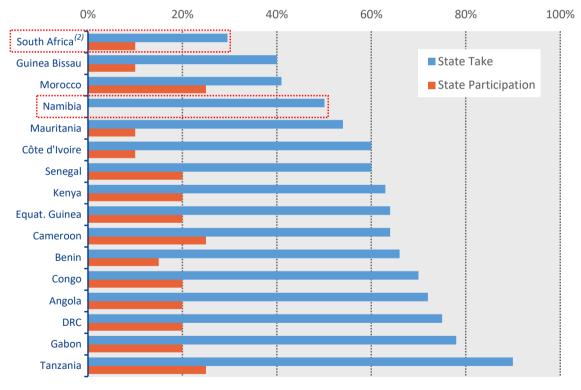
Slide 2 Africa Energy | May 2020

## **Exploration in Africa**



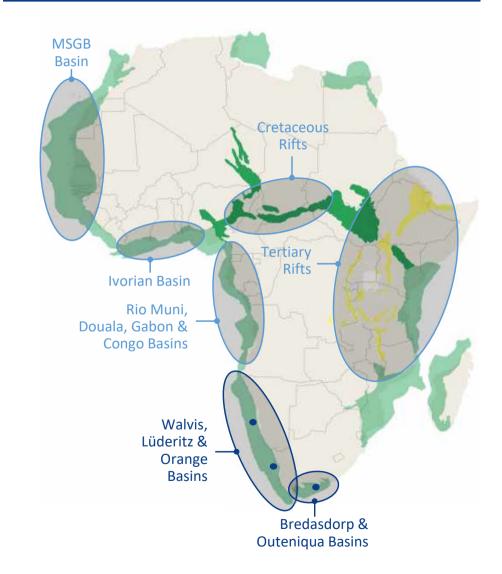
- Frontier regions in Africa
- Countries with attractive commercial terms
- Offshore, non-operated minority interests

#### Net State Take & Participation by Country (1)



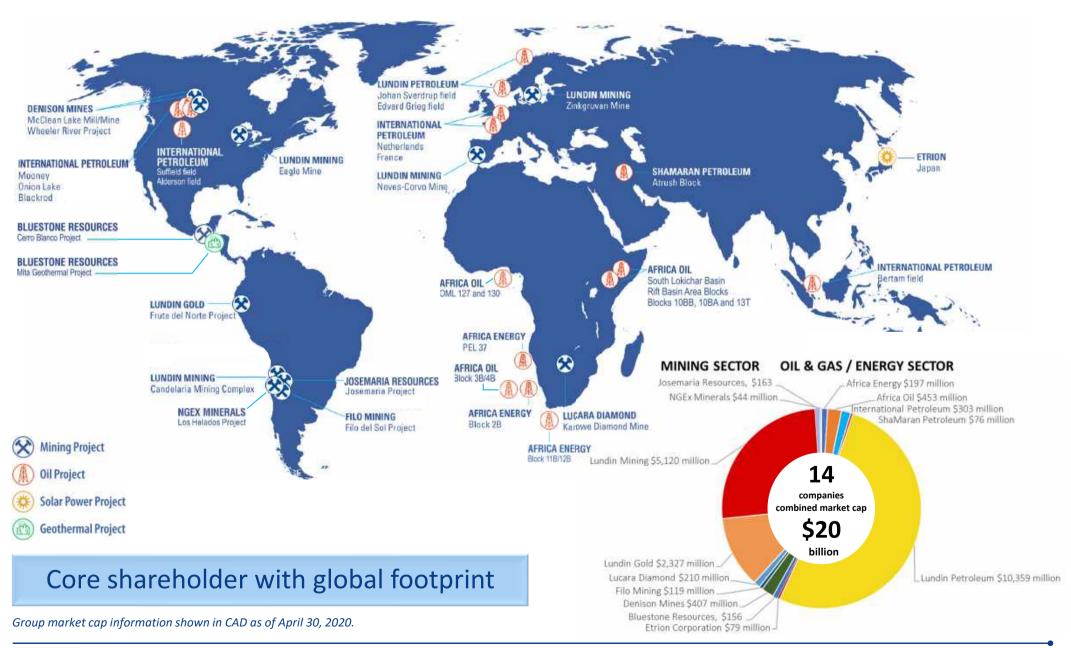
- (1) Source: Company estimates.
- (2) Draft Upstream Petroleum Resources Development Bill proposes an increase in State Participation from 10% to 20%.

#### **Geological Basins**



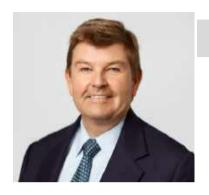
## **Lundin Group of Companies**





#### **Non-Executive Directors**





#### **Ashley Heppenstall, Chairman**

- Advisor to the Lundin family
- Previously President and CEO of Lundin Petroleum AB
- Director of several Lundin Group companies



**Keith Hill, Director** 

- President and CEO of Africa Oil Corp.
- Director of several Lundin Group companies



#### John Bentley, Director

- Senior Independent Director for several listed oil and gas companies
- Previously Chairman of Faroe Petroleum plc and CEO of Energy Africa Ltd.



**Ian Gibbs, Director** 

- CFO of Josemaria Resources
- Previously CFO of Africa Oil Corp.
- Director of several Lundin Group companies



**Adam Lundin, Director** 

- President and CEO of Josemaria Resources
- Previously Co-Head of the London office for Pareto Securities Ltd.
- Director of several Lundin Group companies

Seasoned oil and gas veterans that know how to create value

Slide 5 Africa Energy | May 2020

## **Senior Management**





#### **Garrett Soden, President, CEO and Director**

- Senior Executive and Board Member with the Lundin Group for over a decade
- Director of several listed natural resource companies
- BSc from London School of Economics and MBA from Columbia Business School



#### **Jan Maier, Vice President Exploration**

- 33 years experience in African new venture exploration
- Previously New Business Development Manager and Exploration Manager for the African region at Tullow Oil plc and Energy Africa Ltd.



#### Jeromie Kufflick, Chief Financial Officer

- 20 years financial experience in oil and gas industry
- Canadian Chartered Accountant
- Previously Corporate Controller for Africa Oil Corp.





Strong management team with regional and sector expertise

Slide 6 Africa Energy | May 2020

# **Solid Track Record Five Basin Opening Discoveries in Africa**

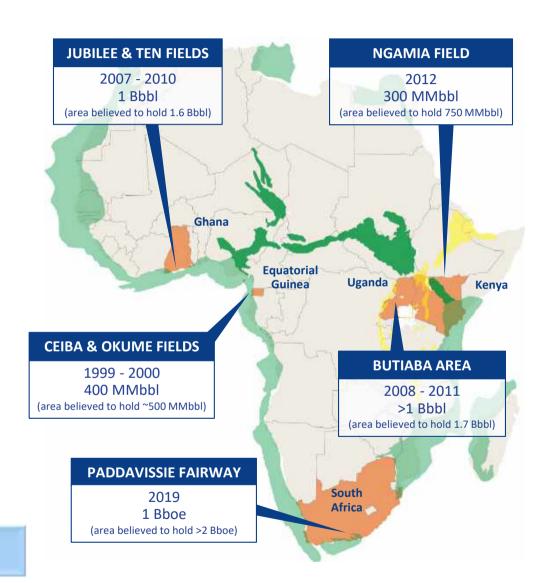


#### **Technical Team of Geologists and Geophysicists**

- Working together across Africa for ~25 years
- Stratigraphic Trap Play and Rift Play expertise
- Major oil discoveries in Ghana, Equatorial Guinea,
   Uganda and Kenya with Energy Africa / Tullow Oil
- Recent large oil and gas discovery offshore South Africa

Cyril Ramaphosa, President of South Africa, calls the discovery a "game changer"

Patrick Pouyanné, Chairman and CEO of Total, said, "It is gas condensate and light oil... around 1 billion barrels..."



#### A team that knows how to find oil

Resource numbers obtained from third party public disclosure and have not been subject to independent audit by the Company.

Slide 7

#### **Asset Overview**





#### Block 11B/12B, offshore South Africa

- 4.9% effective interest
- Operated by Total SA
- Discovery with over 1 Bboe potential (1)
- Multi-well drilling campaign starting in Q3 2020

#### **Block 2B, offshore South Africa**

- 27.5% participating interest
- Operated by Azinam Limited
- Proven oil basin with existing discovery
- Spud Q1 2021 funded by recent farmout <sup>(2)</sup>

#### PEL 37, offshore Namibia

- 14.3% effective interest (3)
- Operated by Tullow Oil
- Cormorant-1 proved the play and source
- Monitoring nearby drilling in 2020-2021

<sup>(1)</sup> Resource numbers obtained from third party public disclosure and have not been subject to independent audit by the Company.

<sup>(2)</sup> Block 2B farmout subject to South African government approval.

<sup>(3)</sup> Subject to Namibian government approval of the Deed of Assignment to effect ONGC's withdrawal.

## Wood Mackenzie Top-20 Prospects in 2020





## **South Africa Overview Attractive Location / Fiscal Terms**





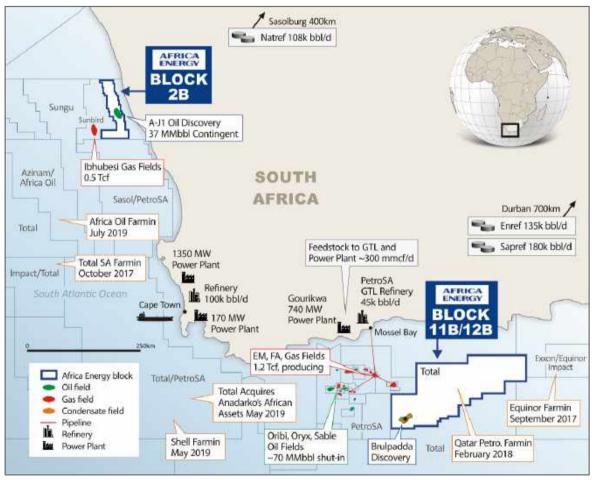
#### **Fiscal Terms**

State Take < 30%



#### State and Black Economic Empowerment (BEE) Participation:

10% State back-in rights / 10% BEE participation rights (1)



#### Blocks 2B and 11B/12B have existing discoveries and nearby infrastructure

(1) Draft Upstream Petroleum Resources Development Bill proposes an increase in State Participation from 10% to 20%.

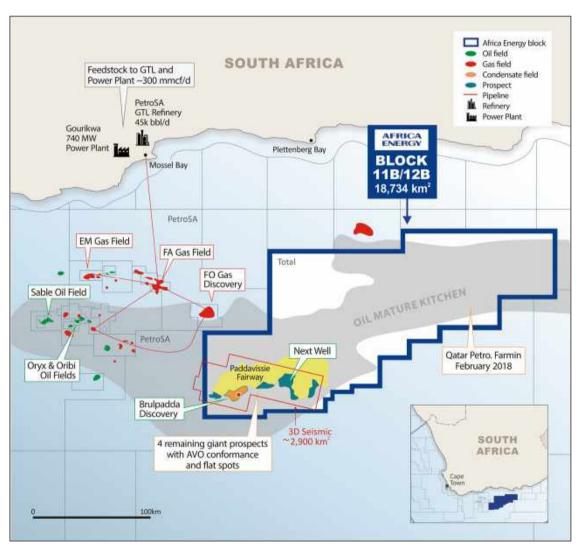
Slide 10

# **South Africa Block 11B/12B**Large Discovery with De-Risked Upside



- Major condensate and light oil discovery
- Four Paddavissie and Deep Prospects de-risked
- Massive acreage position with substantial upside

Asset Summary	
AEC effective interest	4.9%
Partners	Total (operator with 45%), Qatar Petroleum (25%), CNRL (20%)
Basin	Outeniqua Basin
Discovery well	Brulpadda-1AX re-entry well
Water depth	1,432 m
Resources	1 Bboe <sup>(1)</sup>
Min. commercial field size	~350 MMbbl at \$60/bbl <sup>(2)</sup>
Play type	Submarine fan
Forward work program	Up to 3 wells (commencing Q3 '20)
Next well	Luiperd-1
Planned spud date	Q3 2020
Next well prospect size	> 500 MMboe <sup>(1)</sup>
Well cost estimate	~\$150 MM <sup>(2)</sup>

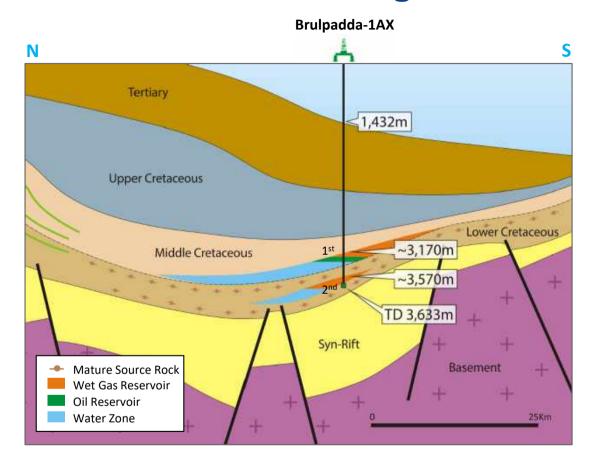


(1) Resource numbers obtained from third party public disclosure and have not been subject to independent audit by the Company. (2) Company estimate.

Slide 11 Africa Energy | May 2020

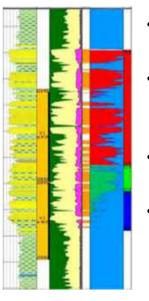
# South Africa Block 11B/12B Gas Condensate and Light Oil Discovered





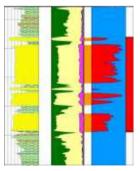
French Major states, "Total has opened a new world-class gas and oil play and is well positioned to test several follow-on prospects"

#### **Paddavissie Objective (Primary)**



- 34 meters of gas condensate pay + oil pay
- High productivity anticipated given high net to gross and quality of reservoirs
- Significantly de-risks remaining 4 Paddavissie Prospects
- Amplitude Variations with Offset (AVO) conformance to structure and flat spots on Paddavissie Prospects

#### **Deep Objective (Secondary)**

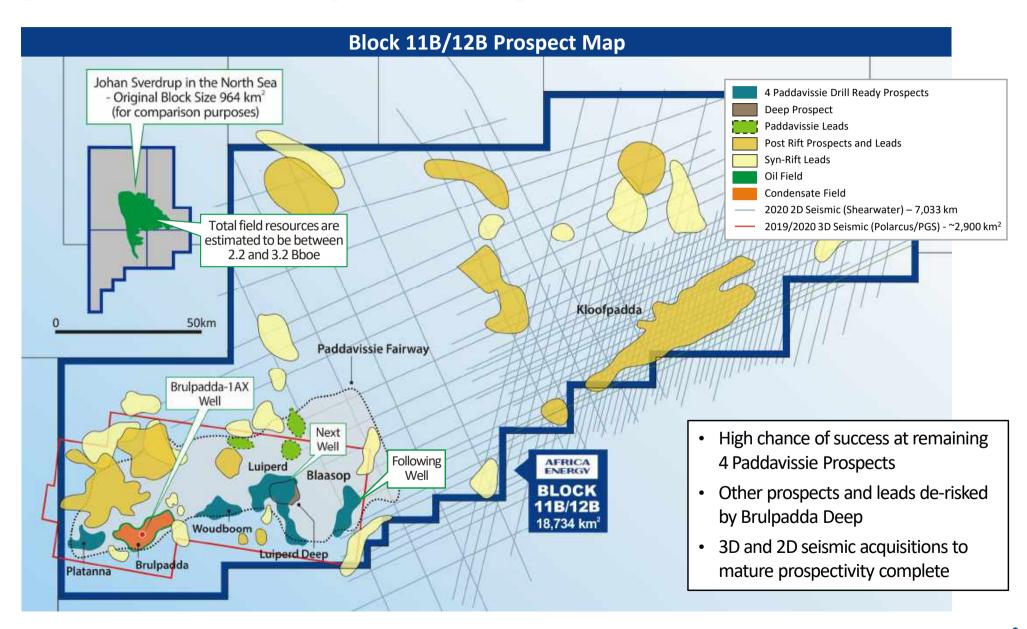


- 23 meters of gas condensate pay
- High productivity anticipated given high net to gross and quality of reservoirs
- De-risks other prospects and leads
- No oil water contact encountered

Slide 12

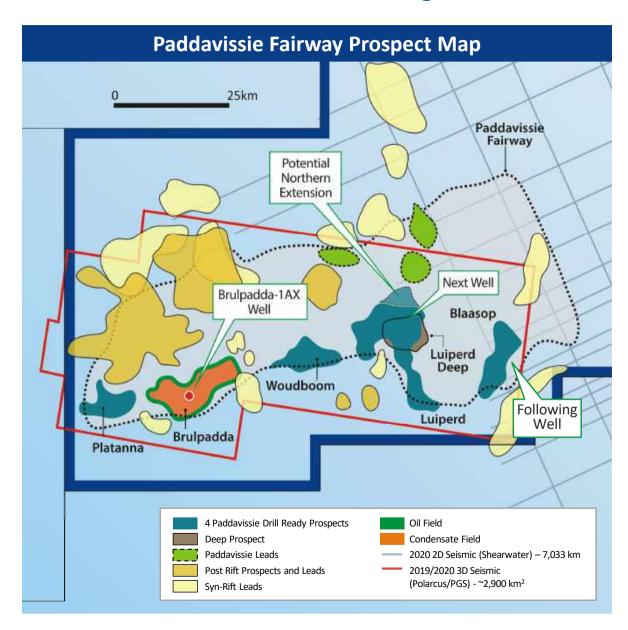
# **South Africa Block 11B/12B Huge Block with Plenty of Running Room**



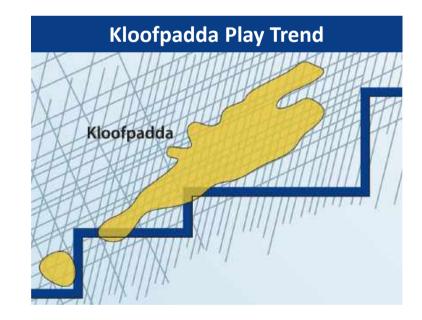


## **South Africa Block 11B/12B** 2019/2020 Seismic Survey Results Very Encouraging



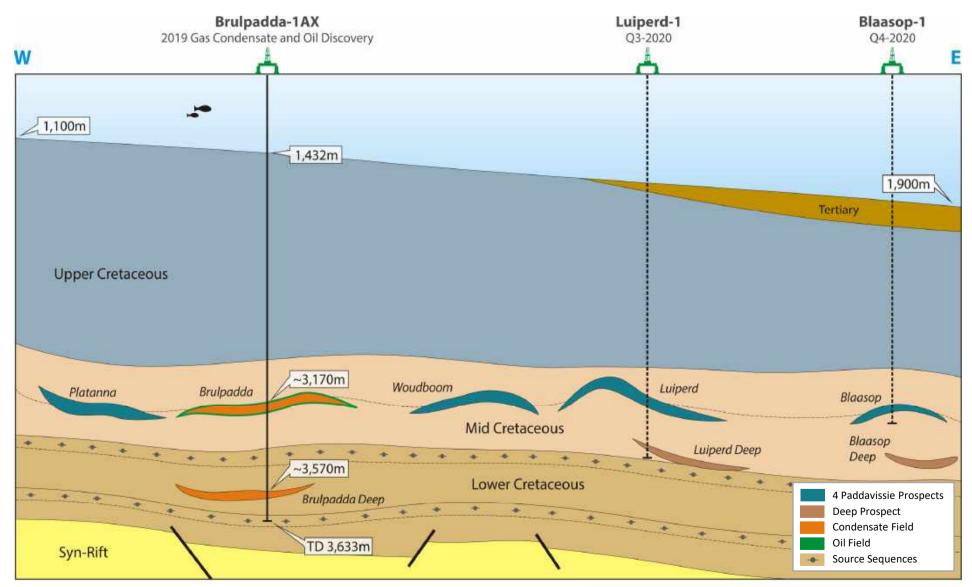


- Potential northern extension to Luiperd identified
- 3D validates DHIs and thick reservoir development, confirming large resource potential in Paddavissie
- Kloofpadda play trend ~400 km² with leads supported by DHIs
- Multiple additional prospects and leads identified



# **South Africa Block 11B/12B Follow-On Drilling Across Paddavissie Fairway**





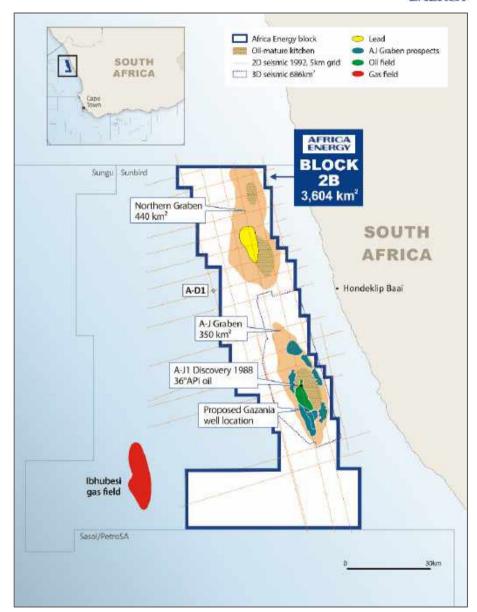
Not to scale

## **South Africa Block 2B Proven Oil Basin**

AFRICA ENERGY

- A-J1 oil discovery in 1988 flowed high-quality oil to surface (36° API)
- Near-term low-risk exploration well planned updip from discovery
- Analogous to Lokichar Basin (Kenya) and Albertine Graben (Uganda)

Asset Summary		
AEC participating interest	27.5% <sup>(1)</sup>	
Partners	Azinam Limited (operator with 50%), Panoro Energy (12.5%), Crown Energy (10%) <sup>(1)</sup>	
Basin	Orange Basin	
First well	Gazania-1	
Planned spud date	Spud Q1 2021	
Water depth	150 m	
First well prospect size	349 MMbbl <sup>(2)</sup>	
Well cost estimate	~\$21 MM	
Play type	Rift basin	
Min. commercial field size	< 50 MMbbl at \$60/bbl (3)	
Work program to date	686 km <sup>2</sup> of 3D seismic	
Seismic data	3D survey by Western Geco 2013	
Past costs to date	\$14 MM	



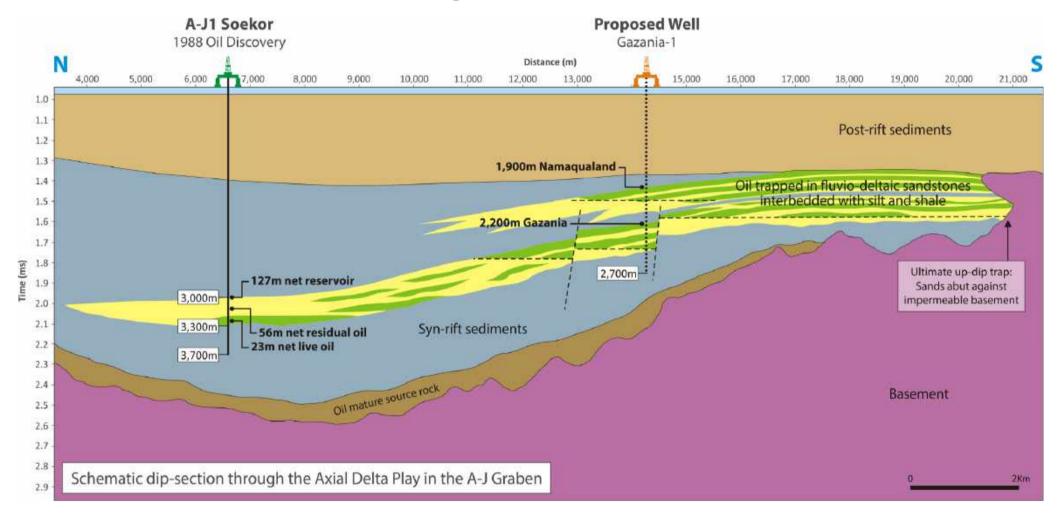
(1) Block 2B farmout subject to South African government approval and other closing conditions.

(2) Best Estimate Prospective Resources - 200 MMbbl have been subject to resource assessment by qualified third-party resource auditor.

(3) Company estimate.

# **South Africa Block 2B A-J Graben Axial Delta Play**

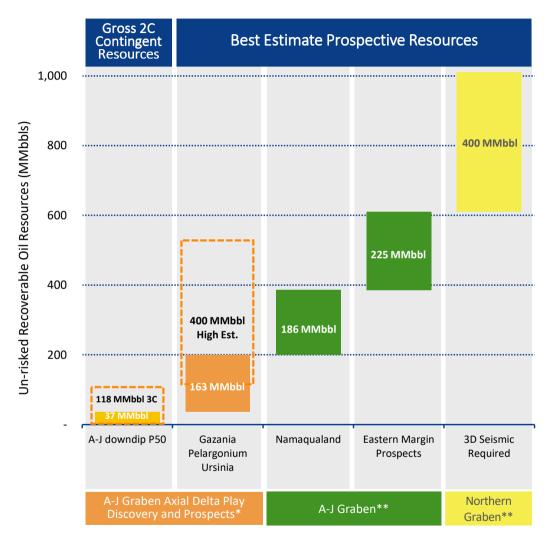


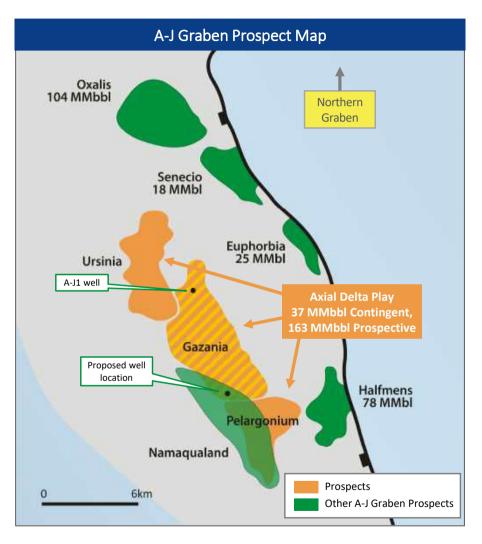


- Proposed drilling location will test both Namagualand and Gazania Prospects
- Gazania Prospect updip of proven oil discovery (A-J1)
- Porosity improvement inferred by seismic inversion work

# **South Africa Block 2B Contingent & Prospective Resources**





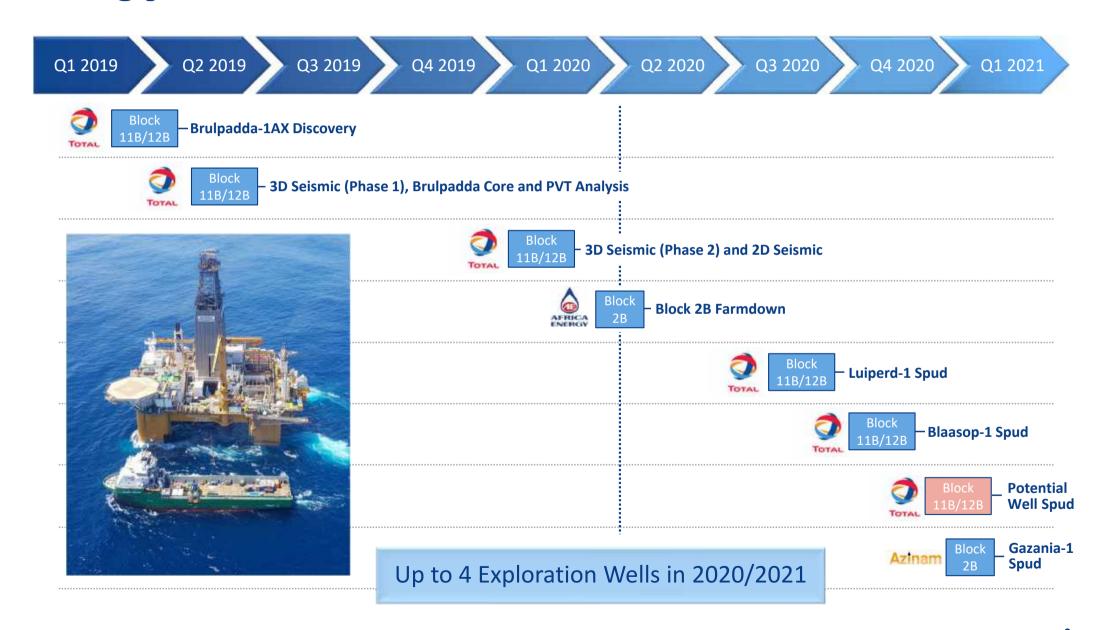


<sup>\*</sup> These volumes have been subject to a resource assessment by a qualified third party resource auditor. These volumes have been disclosed as an arithmetic sum of multiple estimates of contingent and prospective resource, which statistical principles indicate may be misleading as to volumes that may actually be recovered. Readers should give attention to the estimates of individual classes of resources and appreciate the differing probabilities of recovery associated with each class as disclosed in Schedule A of the Company's Annual Information Form filed on Sedar March 24, 2020. All of the Contingent Resources are classified as Development Unclarified.

<sup>\*\*</sup> These volumes are Company estimates and have not been subject to assessment by a qualified third party resource auditor.

# **Near-Term Potential Catalysts Strongly Positioned to Deliver Shareholder Value**





## **Summary – Platform for Growth**



#### Funded Near-Term, High-Impact Exploration

- Block 11B/12B Discovery with over 1 Bboe potential
- Block 2B Oil basin with existing discovery
- PEL 37 Proven play with additional prospectivity

#### Team of Oil Finders with Successful Track Record

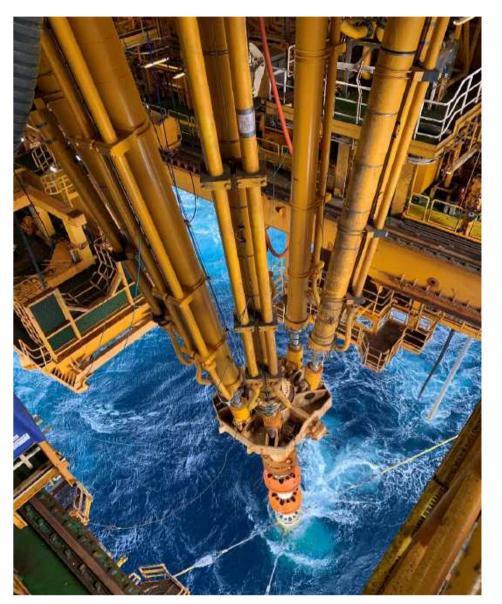
- Experienced board and senior management
- Technical team with significant exploration success across Africa from Energy Africa / Tullow Oil

#### **Solid Backing**

Supportive shareholders from the Lundin Group

#### **Good Timing**

 Acquired world-class exploration assets during oil price downturn



The Odfjell Deepsea Stavanger rig will drill the Luiperd Prospect on Block 11B/12B offshore South Africa.

Slide 20



# Appendix

Slide 21 Africa Energy | May 2020

### **Namibia Overview Attractive Location / Fiscal Terms**





#### **History of Oil Industry**

Namibia is under-explored. Kudu Gas Field discovered in 1974

Mature oil source proven by HRT wells in 2013 attracted return of major oil companies

Namibia has two major ports to service the oil industry

#### **Recent Country Entrants**











State Take < 50%

#### **Fiscal Terms**

— Royalty: 5%

— Income Tax: 35%

Additional Profits Tax (APT): levied in 3 tiers, if after-tax rate of return levels achieved, nil for PEL 37 in 2nd and 3rd tiers

— After Tax Profit

• Tax Deductible Costs: E&P expenses deductible when incurred, development costs depreciated over time

Other key terms: No state participation/ No carry-forward limitation on losses

Slide 22 Africa Energy | May 2020

# Namibia PEL 37 Significant Resource Potential

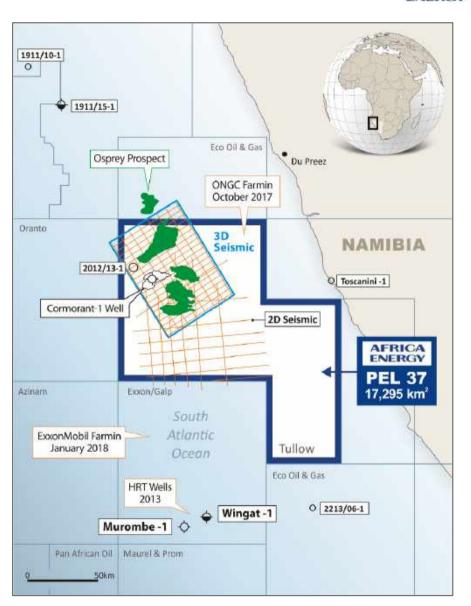
AFRICA ENERGY

- Four Cretaceous-age fans identified on 3D seismic
- Mature source rock proven by nearby HRT wells
- Further prospectivity defined to the south with 2D seismic

Asset Summary		
AEC effective interest	14.3% <sup>(1)</sup>	
Partners	Tullow (operator with 50%), Pancontinental Namibia (42.9%), Paragon (7.1%)	
Basin	Walvis Basin	
First well	Cormorant-1	
Spud date	September 4, 2018	
Water depth	548 m	
First well prospect size	124 MMbbl <sup>(2)</sup>	
Well cost	~\$28 MM	
Play type	Submarine fan	
Min. commercial field size	~110 MMbbl at \$60/bbl <sup>(3)</sup>	
Work program to date	1 well, 3,300 km <sup>2</sup> 3D and 1,000 km <sup>2</sup> 2D seismic	
Seismic data	3D survey by Polarcus 2014	
Past costs to date	> \$65 MM <sup>(3)</sup>	

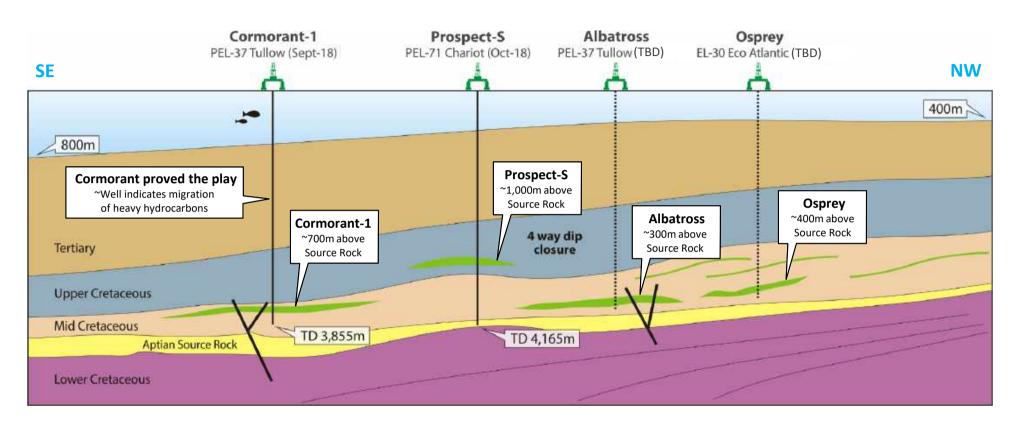
<sup>(1)</sup> Africa Energy owns one-third of Pancontinental Namibia, which owns 42.9% of PEL 37, subject to Namibian government approval of the Deed of Assignment to effect ONGC's withdrawal.

<sup>(2)</sup> Best Estimate Prospective Resources - obtained from third party public disclosure and have not been subject to independent audit by the Company. (3) Company estimate.



# Namibia PEL 37 Cretaceous Fan Play with Additional Prospectivity





- Cormorant-1 proved fan play and mature source sequence
- Adjacent block, PEL 30, has potential near term well (Osprey Prospect)
- Albatross at same stratigraphic level as Osprey and in close proximity to Mature Aptian source
- Both plays have seismic "soft" responses indicating presence of reservoir facies
- Main risk remains hydrocarbon migration distance; success at Osprey de-risks Albatross

## **Cautionary Statements**



This presentation has been prepared and issued by and is the sole responsibility of Africa Energy Corp. (the "Company") and its subsidiaries. It comprises the written materials for a presentation to investors and/or industry professionals concerning the Company's business activities. By attending this presentation and/or accepting a copy of this document, you agree to be bound by the following conditions and will be taken to have represented, warranted and undertaken that you have agreed to the following conditions.

The document is being supplied to you solely for your information and for use at the Company's presentation to investors and/or industry professionals concerning the Company's business activities. It is not an offer or invitation to subscribe for or purchase any securities and nothing contained herein shall form the basis of any contract or commitment whatsoever. The information contained in this presentation may not be used for any other purposes.

This presentation contains certain forward-looking information that reflects the current views and/or expectations of management of the Company with respect to its performance, business and future events including statements with respect to financings and the Company's plans for growth and expansion. Such information is subject to a number of risks, uncertainties and assumptions, which may cause actual results to be materially different from those expressed or implied including the risk that the Company is unable to obtain required financing and risks and uncertainties inherent in oil exploration and development activities. Readers are cautioned that the assumptions used in the preparation of such information, such as market prices for oil and gas and chemical products, the Company's ability to explore, develop, produce and transport crude oil and natural gas to markets and the results of exploration and development drilling and related activities, although considered reasonable at the time of preparation, may prove to be imprecise and, as such, undue reliance should not be placed on forward-looking information. The Company assumes no future obligation to update this forward-looking information except as required by applicable securities laws.

Certain data in this presentation was obtained from various external data sources, and the Company has not verified such data with independent sources. Accordingly, no representation or warranty, express or implied, is made and no reliance should be placed on the fairness, accuracy, correctness, completeness or reliability of that data, and such data involves risks and uncertainties and is subject to change based on various factors.

No reliance may be placed, for any purposes whatsoever, on the information contained in this presentation or on its completeness. The Company and its members, directors, officers and employees are under no obligation to update or keep current information contained in this presentation, to correct any inaccuracies which may become apparent, or to publicly announce the result of any revision to the statements made herein except where they would be required to do so under applicable law, and any opinions expressed in them are subject to change without notice, whether as a result of new information or future events. No representation or warranty, express or implied, is given by the Company or any of its subsidiaries undertakings or affiliates or directors, officers or any other person as to the fairness, accuracy, correctness, completeness or reliability of the information or opinions contained in this presentation, nor have they independently verified such information, and any reliance you place thereon will be at your sole risk. Without prejudice to the foregoing, no liability whatsoever (in negligence or otherwise) for any loss howsoever arising, directly or indirectly, from any use of this presentation or its contents or otherwise arising in connection therewith is accepted by any such person in relation to such information.

For additional details on the Company and certain risk factors, please see the Company's Annual Information Form filed on March 24, 2020 under its profile at www.sedar.com.

The resource estimates contained herein are estimates only and there is no guarantee that the estimated resources will be recovered. Volumes of resources have been presented based on a gross interest. Contingent resources are those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations using established technology or technology under development, but which are not currently considered to be commercially recoverable due to one or more contingencies. Prospective resources are those quantities of petroleum estimated, as of a given date, to be potentially recoverable from undiscovered accumulations by application of future development projects. There is no certainty that it will be commercially viable to produce any portion of the "Contingent Resources" referred to in this presentation. In the case of "Prospective Resources" there is no certainty that any portion of the resources will be discovered. If discovered, there is no certainty that it will be commercially viable to produce any portion of the resources referred to in this presentation.

**Uncertainty Ranges for Resources** 

Estimates of resource volumes can be categorized according to the range of uncertainty associated with the estimates. Uncertainty ranges are described in the COGE Handbook as low, best and high estimates as follows:

A "low estimate" (1C) is considered to be a conservative estimate of the quantity that will actually be recovered. It is likely that the actual remaining quantities recovered will exceed the low estimate. If probabilistic methods are used, there should be at least a 90% probability (P90) that the quantities actually recovered will equal or exceed the low estimate.

A "best estimate" (2C) is considered to be the best estimate of the quantity that will actually be recovered. It is equally likely that the actual remaining quantities recovered will be greater or less than the best estimate. If probabilistic methods are used, there should be at least a 50% probability (P50) that the quantities actually recovered will equal or exceed the best estimate.

A "high estimate" (3C) is considered to be an optimistic estimate of the quantity that will actually be recovered. It is unlikely that the actual remaining quantities recovered will exceed the high estimate. If probabilistic methods are used, there should be at least a 10% probability (P10) that the quantities actually recovered will equal or exceed the high estimate.

## **Thank You**

#### **CONTACT DETAILS**

Investor Relations - Canada

Sophia Shane

Email: info@africaenergycorp.com

Tel: +1 (604) 689-7842

Investor Relations - Sweden

**Robert Eriksson** 

Email: reriksson@rive6.ch

**Tel:** +46 701 11 26 15





Creating Value through Oil Exploration in Africa

www.africaenergycorp.com