## The world's largest oil discovery for 2014

Good Oil Conference Fremantle 3-4 September 2015





#### FAR snapshot (ASX:FAR)

- Africa focused: Senegal, Guinea Bissau, Kenya and Australia
- FAN-1 and SNE-1: New basin opening oil discoveries in Senegal
- World's largest oil discovery: SNE rated No. 1 in 2014 (IHS CERA)
- Good economics: SNE is low break even (IRR 10% @ US\$45/bbl)
- Quality Senegal partners: ConocoPhillips, Cairn Energy, Petrosen
- Mid cap E&P: FAR entered the ASX 300 Index in March 2015
- **12<sup>th</sup> largest oil company on ASX**: as at 31 Aug
- Strong balance sheet: Cash balance A\$43.5m (June qtr)
- New drilling 4Q 2015: Strong value addition
- Strong team and Board: Reg Nelson recently joined board

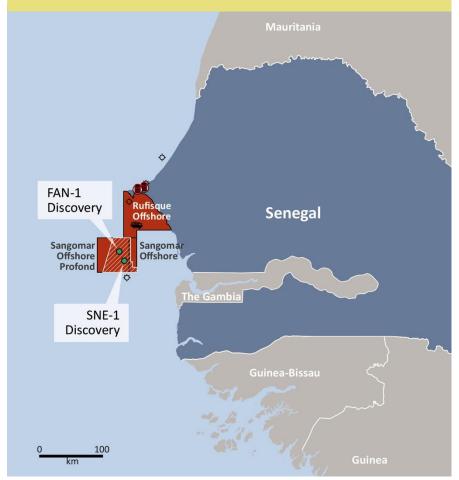






- FAR has strong relationships : been in Senegal since 2006
- Senegal is peaceful : has been a democracy for 198 years
- Senegal achieved 4.7% GDP growth in 2014
- Senegal S&P sovereign credit rating: 'B+/B' (stable outlook)
- FAN-1 and SNE-1: First offshore oil exploration wells for 40 years
- US\$196M farmouts in 2013
- Quality partners: FAR 15%, Cairn
  Energy (Operator 40%), ConocoPhillips
  (35%) and Petrosen (10%)

**OFFSHORE SENEGAL PSC** 16.7% paying interest, 15% beneficial interest Operator: Cairn Energy PLC

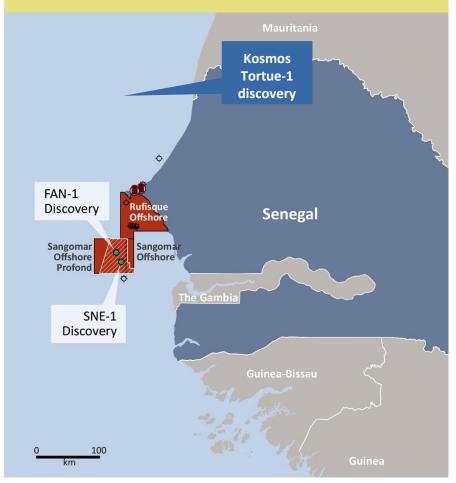


Senegal



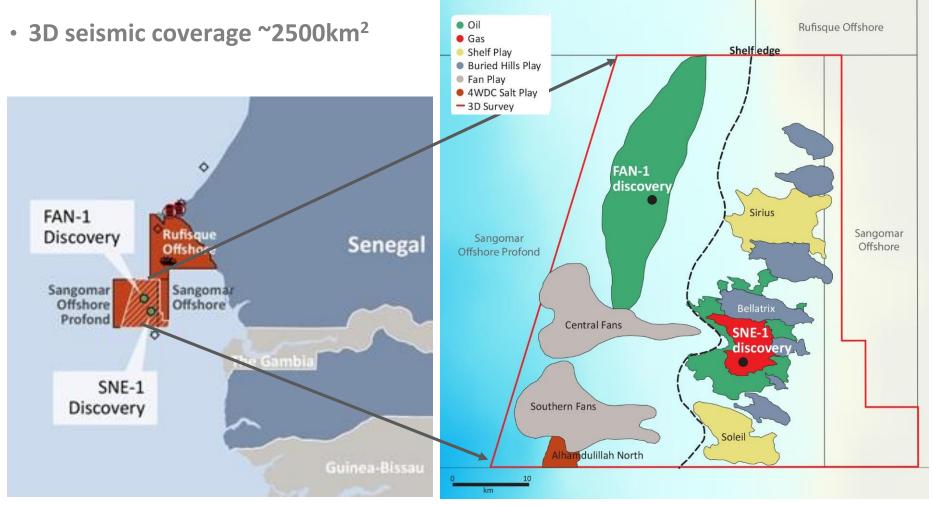
- Tortue-1: New gas discovery straddles Mauritania-Senegal border with a estimated gross resource of 5-12 Tcf
- Area well and truly under the spotlight as more basin opening exploration takes place
- More discoveries to be made...

#### **OFFSHORE SENEGAL PSC** 16.7% paying interest, 15% beneficial interest Operator: Cairn Energy PLC

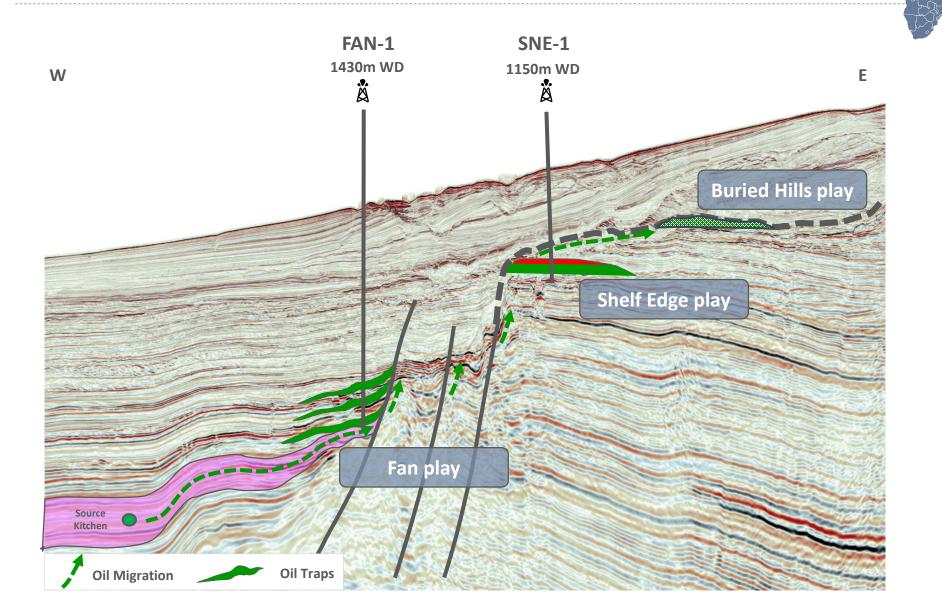


## Senegal prospects and leads

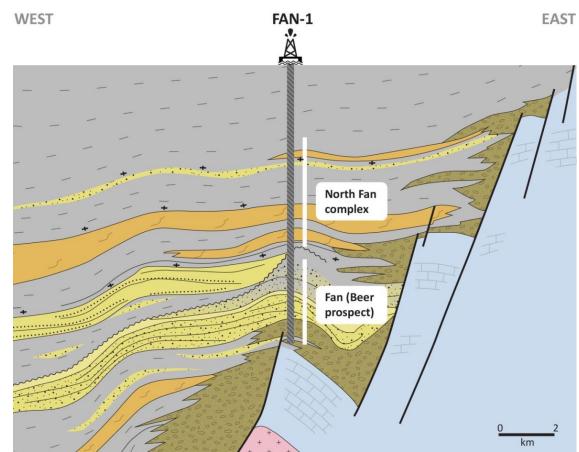
• PSC area 7,490 km<sup>2</sup>



#### FAN-1 and SNE-1 model seismic section

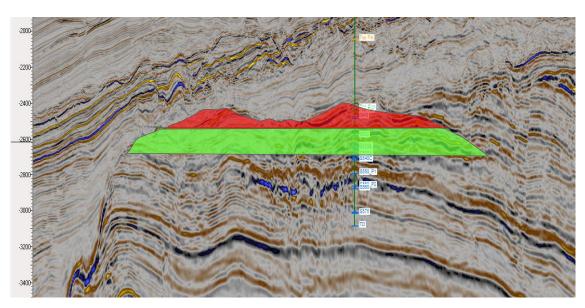


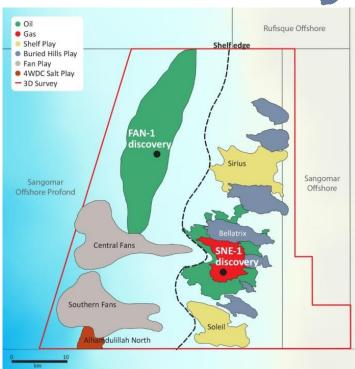
- Gross oil bearing interval
  >500m
- Oil gravity 28-41 degrees API
- No oil-water contact encountered
- Proved prolific source and migration pathway
- Operator gross oil STOIIP
  - P90: 250 mmbbls
  - P50: 950 mmbbls
  - P10: 2,500 mmbbls





- World's largest oil discovery for 2014 (IHS CERA)
- Gross oil column of 96m (36m net)
- 2C resource of 330mmbls\* (50mmbbls net to FAR\*)

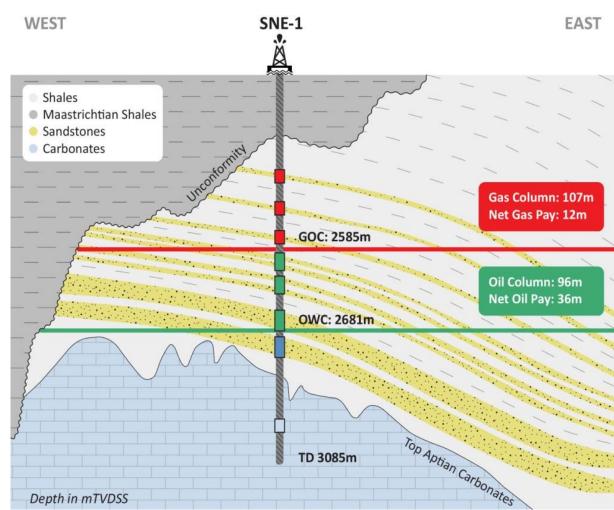




#### SNE-1 gross contingent resources\*

| Low estimate (1C)  | 150 mmbbls |
|--------------------|------------|
| Best estimate (2C) | 330 mmbbls |
| High estimate (3C) | 670 mmbbls |

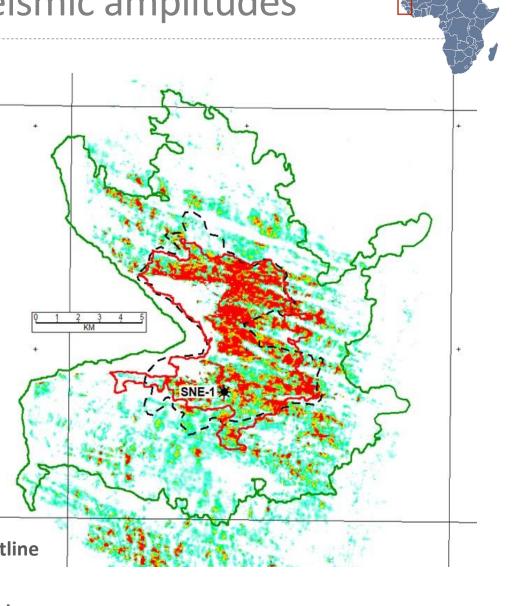
- Excellent reservoir: average 25% porosity
- Text book gas-oil and oil-water contacts
- 96m oil column (36m net)
- 107m gas column
- Strong potential to get larger!
- Lookalike prospects to the north and south



## SNE Field top reservoir: Seismic amplitudes

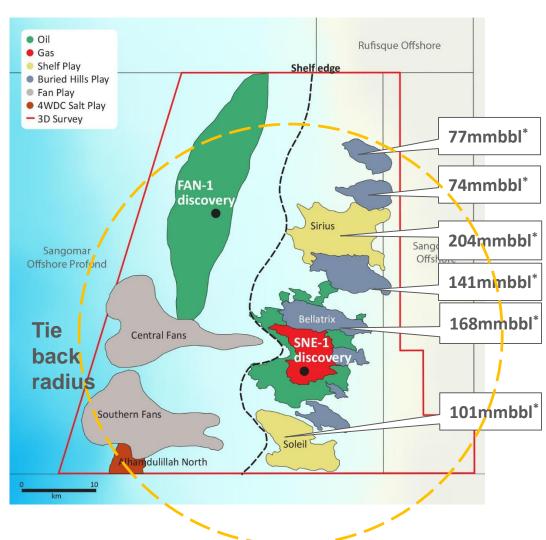
- Strong conformance of seismic amplitude with structure
- Pre-drill estimate 154 mmbbls\*
- Post drill estimate more than twice the size at 330 mmbbls\*
- Lookalike prospects with similar amplitude anomalies

Pre drill field outline
 Gas-Oil contact
 Oil-Water contact



#### What next for FAR in Senegal?

- Next steps are to
  - appraise the SNE discovery
  - build resource base through drilling
- 3 well program committed:
  - 2 SNE appraisal wells
  - Bellatrix exploration well
- Drilling commences mid October
- Drilling costs coming down!!
- Aim for Declaration of Commerciality





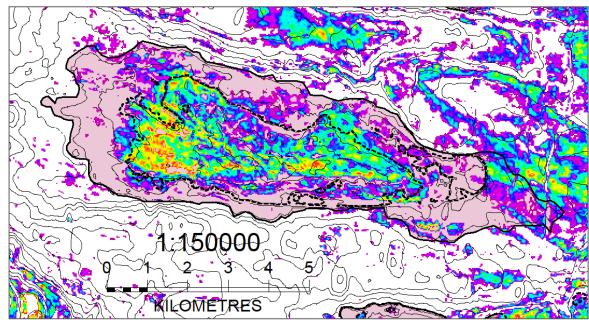
- FAR CoS: 49%, **Operator: 80%**
- Lookalike prospects in event of success

# **Bellatrix prospect**

- Buried Hill play, yet undrilled
- Strong amplitude response, conforms to structure
- Prospect overlies northern extent of SNE field



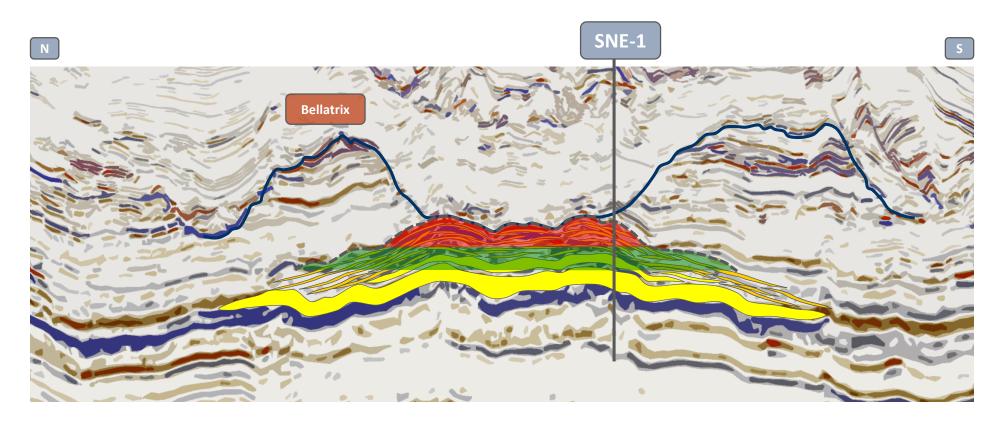
| ellatrix unrisked prospective resources* |            |
|------------------------------------------|------------|
| Low estimate                             | 69 mmbbls  |
| Best estimate                            | 168 mmbbls |
| High estimate                            | 356 mmbbls |





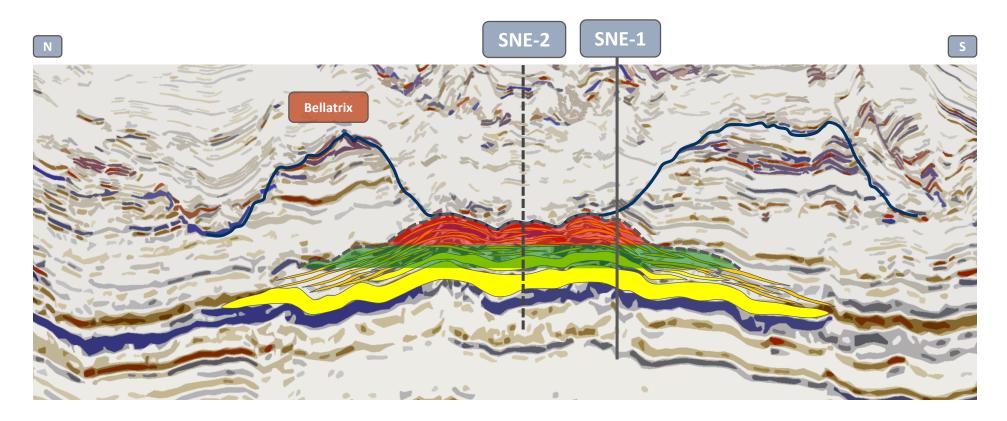
#### Appraisal drilling program





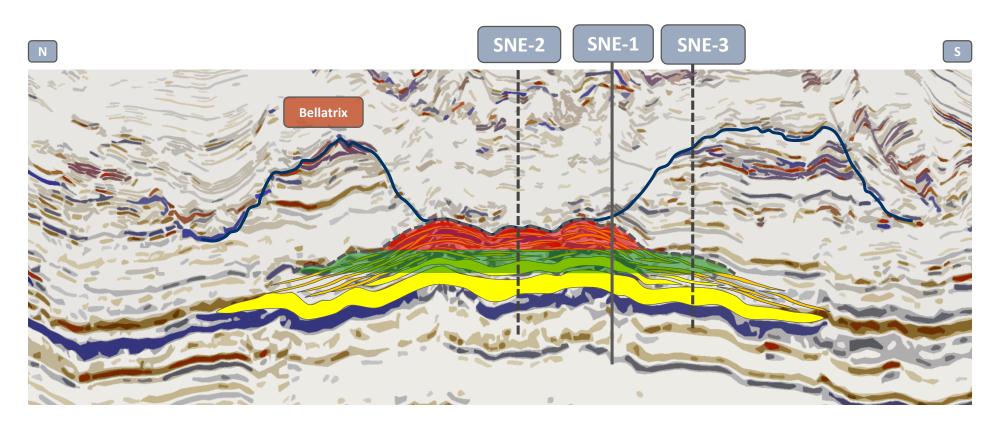
#### Appraisal drilling program: SNE-2





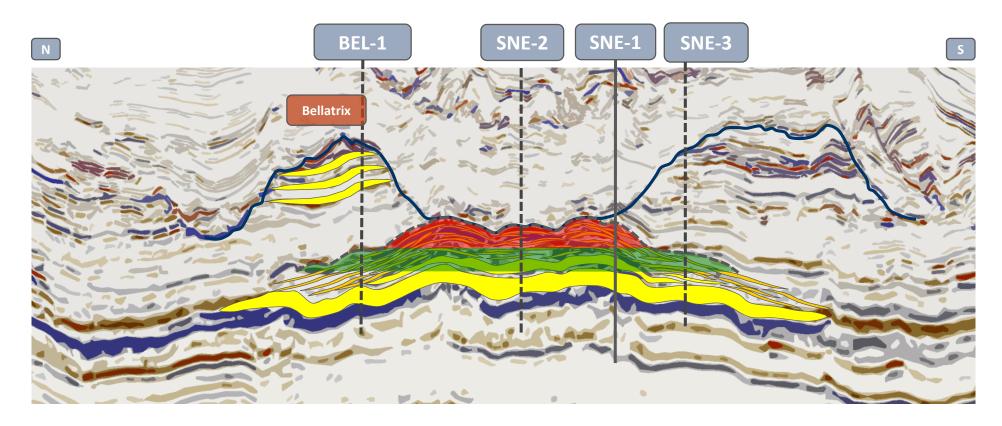
#### Appraisal drilling program: SNE-3





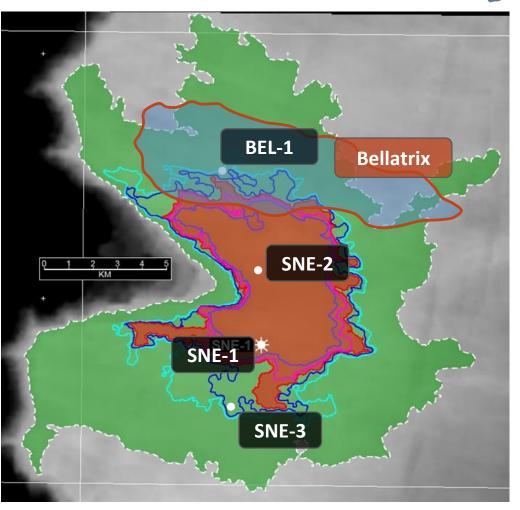
#### Appraisal drilling program: BEL-1





## SNE indicative appraisal well locations

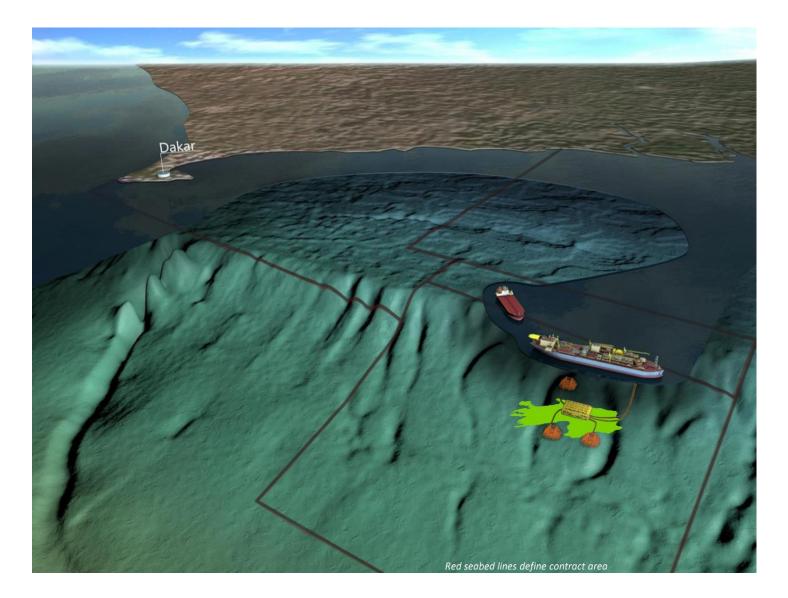
- Prove minimum economic field size (MEFS: 200mmbbls)
- Test upside in SNE (3C resource 670mmbbls\*)
- Test Bellatrix Prospect (P50 168mmbbls\*)
- Low risk appraisal, risk is in proving the upside potential!





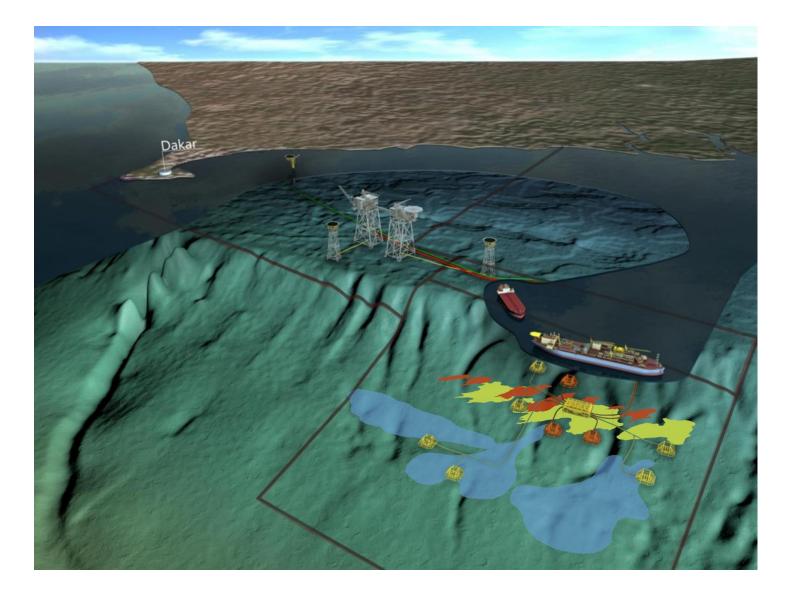
#### FPSO Development scenario: SNE Field





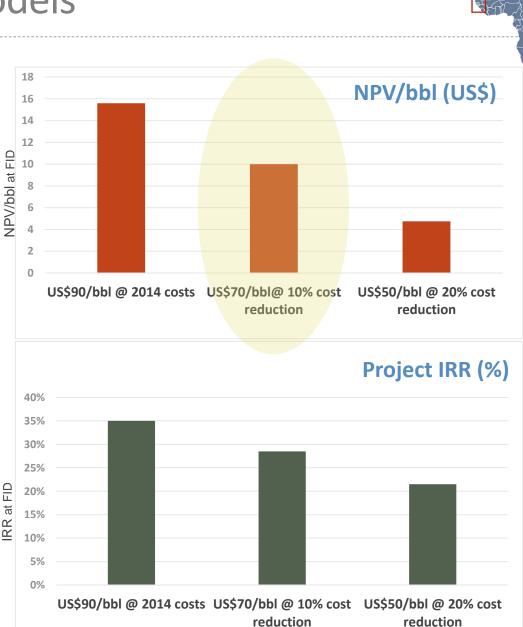
#### FPSO Development scenario with tie-backs





#### Senegal economic models

- Very good PSC terms
- Base planning case: 2C resource 330mmbbls (~50mmbbls net to FAR)
- **CAPEX** \$17-26/bbl
- **OPEX** \$5-15/bbl
- US\$10 NPV/bbl at US\$70/bbl
- SNE likely to be standalone at >=200mmbbls
- Brent futures: ~US\$70/bbl
- Earliest first oil 2021



#### 2015 revealing the prize

- 2013: Year of farmout
- 2014: Year of discovery
- 100% success rate offshore Senegal
- Appraisal of SNE starts 4Q 2015
- Undrilled exploration prospects offshore Senegal with >1.5bn bbls potential
- Possible lookalikes of shelf play in FAR's Guinea Bissau acreage
- FAR committed to finding more elephants lurking under Senegalese waters





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- Information in this report relating to hydrocarbon resource estimates has been compiled by Peter Nicholls, the FAR exploration manager. Mr Nicholls has over 30 years of experience in petroleum geophysics and geology and is a member of the American Association of Petroleum Geology, the Society of Exploration Geophysicists and the Petroleum Exploration Society of Australia. Mr Nicholls consents to the inclusion of the information in this report relating to hydrocarbon Prospective Resources in the form and context in which it appears. The Prospective Resource estimates contained in this report are in accordance with the standard definitions set out by the Society of Petroleum Engineers, Petroleum Resource Management System.