Oil and gas opportunities in Australia's Northern Territory

Australia
PETROLEUM

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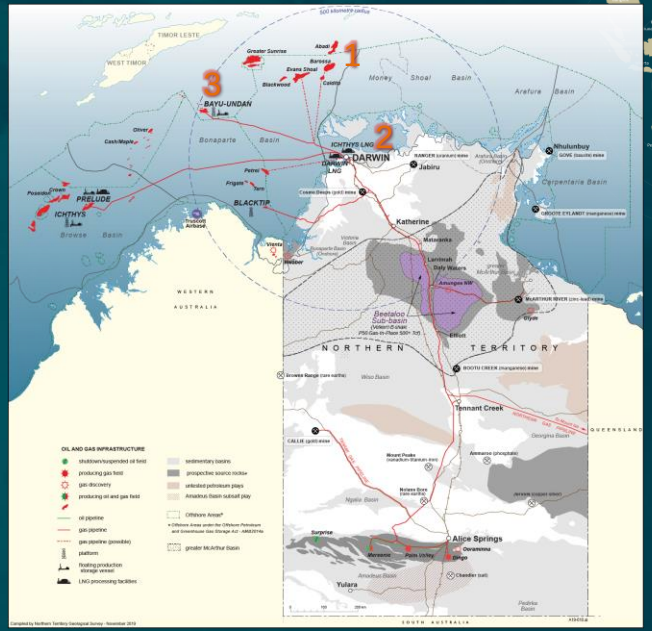
Major developments in the Territory's oil and gas industry

Offshore projects

1. *Barossa* gas field development US $4.7b
   - Field development & 260 km pipeline (FID 2020)
2. *Darwin LNG* refurbishment US $600m
   - Major renovations to existing plant (FID 2020)
3. *Bayu-Udan* decommissioning US $700m
   - Remove offshore infrastructure
   - Service and supply opportunity (2023)



Major developments in the Territory's oil and gas industry

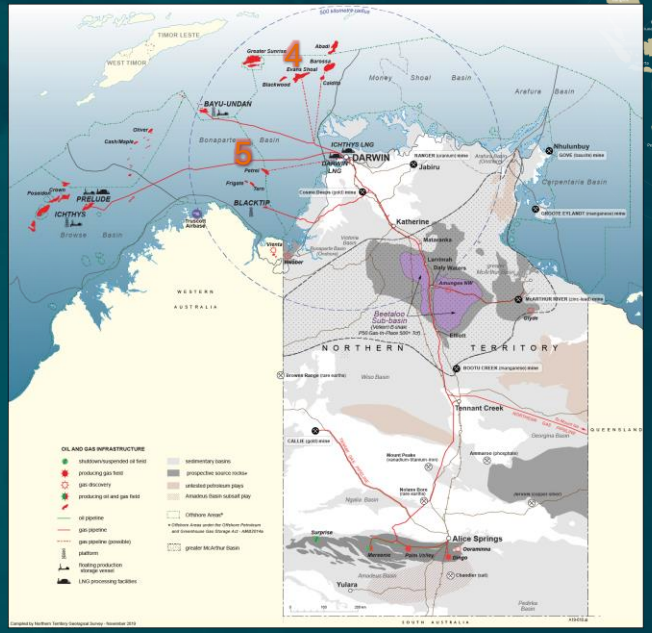
Offshore projects (proposed)

4. *Evans Shoal* gas field developm[t] US $5-6b

- Field development
- Pre-FEED to DLNG backfill option, or joint developm[t] with Barossa, or single develop[t]

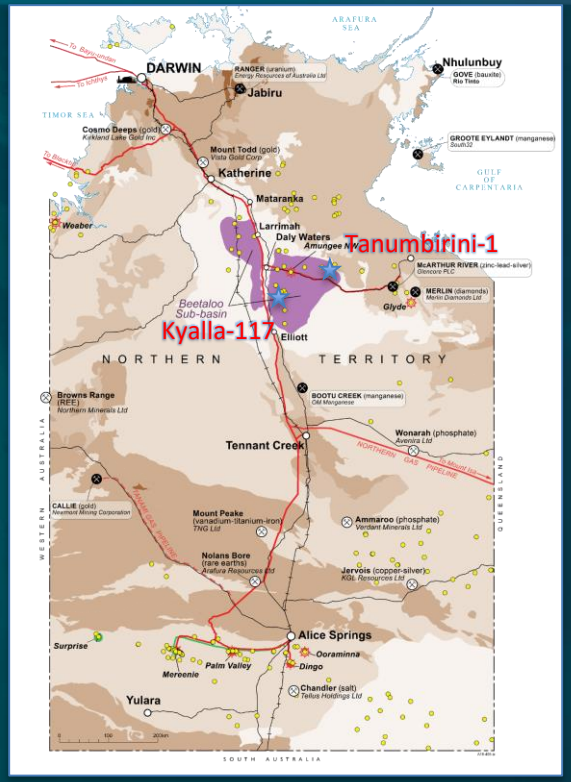
5. *Petrel* gas field developm[t] US $700m + US $500m (pipeline)

- Field development & pipeline to Darwin
- Neptune acquiring 3D seismic to further define field, assessing commercial options



Major developments in the Territory's oil and gas industry

All recommendations from Hydraulic Fracturing Inquiry now in place to allow shale gas exploration to recommence



Onshore projects : *Beetaloo Sub-basin*

- *Kyalla* wet gas: drill and fracture 2 horiz wells A $30m
  - Origin commenced Kyalla 117 N2, Velkerri 76 S2 planned
- *Velkerri* dry gas: drill and fracture 2 horiz wells A $30m
  - Santos stimulate Tanumbrini-1, Inacumba & Tanumbrini-2 planned

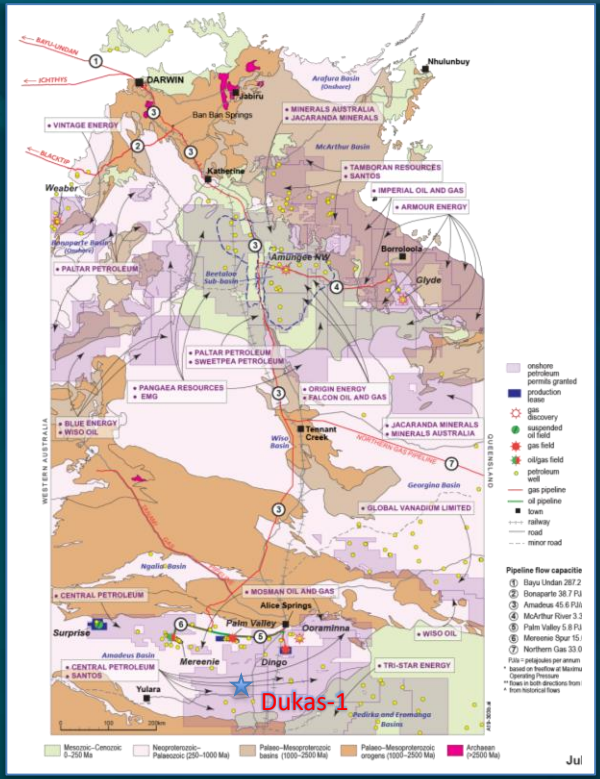
Major developments in the Territory's oil and gas industry

Onshore projects : *McArthur Basin*

- Santos A$95m farm-in to South Nicholson Basin acreage in NT and Qld
- Imperial completes seismic acquisition and planning 2 wells in 2020
- Sweetpea planned seismic in 2020

Onshore projects : *Amadeus Basin*

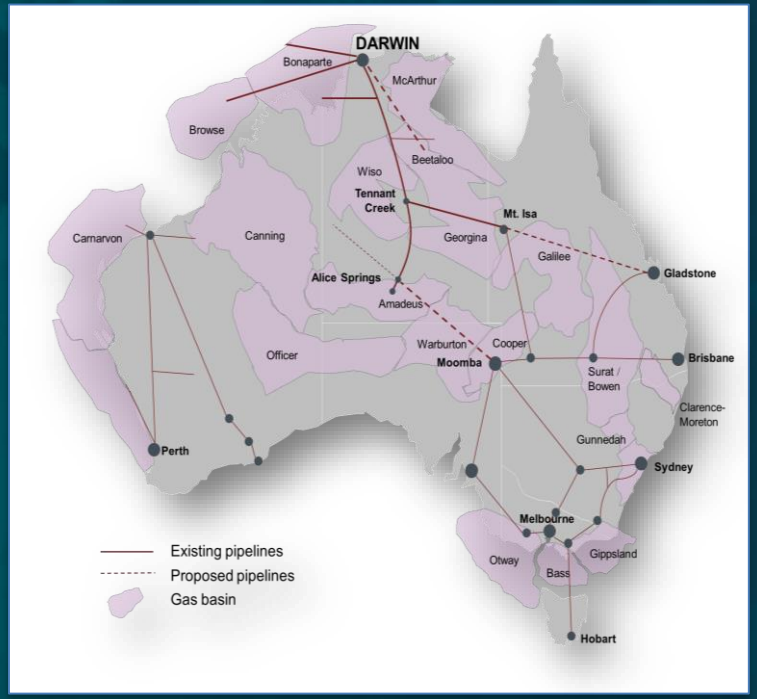
- *Dukas* exploration well: sub-salt play A $10m
  - Santos suspended Dukas-1 at 3,704m (12,152ft) due to over pressure. Plan to re-enter with larger rig in 2021



Major developments in the Territory's oil and gas industry

Onshore projects - pipelines

- *Tanami* gas pipeline
  - Commissioned in 2019
- *Beetaloo to Darwin* gas pipeline
  - Large diameter pipeline to gas precinct
  - Scoping study complete
- *Beetaloo to Queensland* gas pipeline
  - Large diameter pipeline to east coast
  - Pipeline companies investigating options



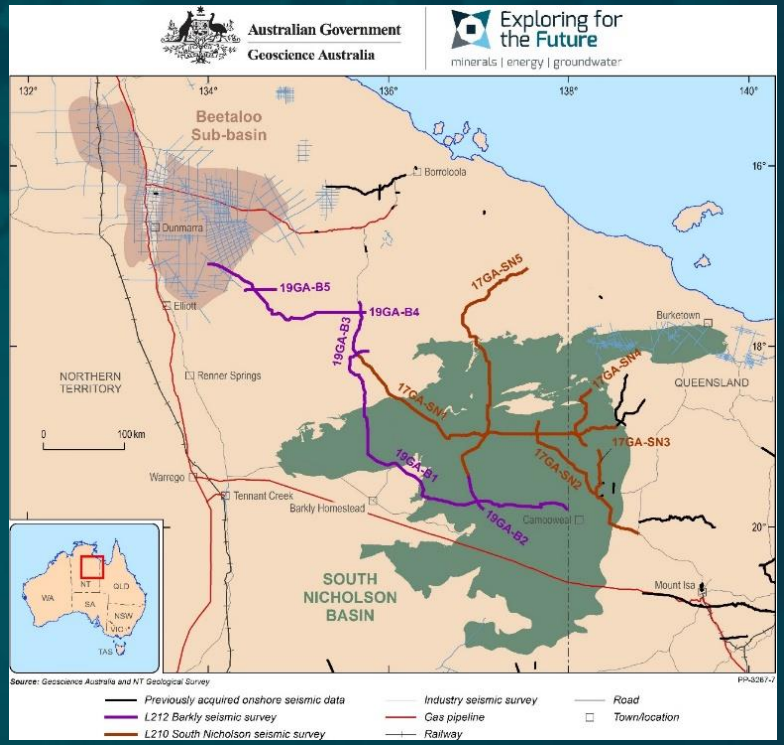
Major developments in the Territory's oil and gas industry

Gas manufacturing and processing

- *Coogee* Methanol Plant
  - 350,000t pa methanol plus oxygen, nitrogen & argon phases (pre-feasibility studies commenced)
- *Gold Valley Energy Kittyhawk* Micro LNG
  - LNG as energy source for remote users including mine sites (in FEED stage) Scoping study complete
- *Darwin Clean Fuels* condensate processing plant
  - Bankable Feasability study underway. FEED scheduled for 2020

Opening up frontier basins

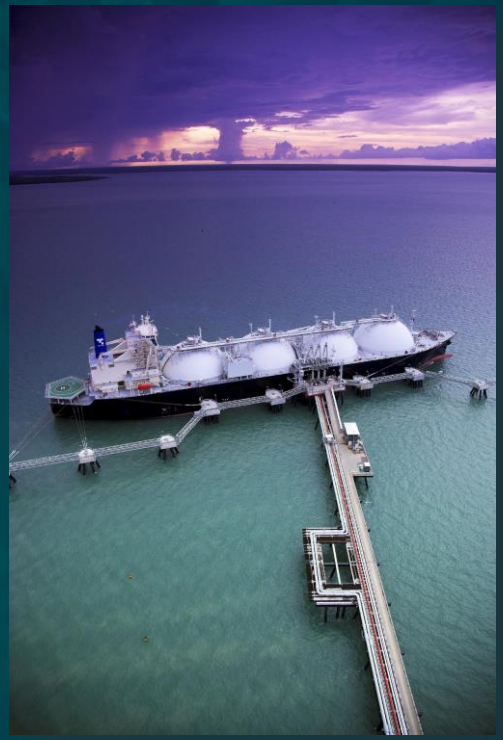
- Major investment by Federal and NT government in acquiring new data in frontier basins:
- South Nicholson Basin and Lawn Hill Platform
  - new seismic data
  - new source rock geochemistry
- All data available for free:
  - www.ga.gov.au/eftf
  - resourcingtheterritory.nt.gov.au



Northern Territory Government gas strategy

<u>5 point plan</u>

- Expand the world scale Darwin LNG export hub
- Grow the Northern Territory's service and supply industry
- Establish gas-based processing and manufacturing
- Grow local research, innovation and training capacity
- Contribute to Australia's energy security



www.business.nt.gov.au/publications/strategies/northern-territory-gas-strategy

Contacts

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Thank you!