CENTRAL TARGETS PIPELINE

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Activity update



Overview

- > Australia's domestic gas market facing supply shortfall in next 5 years
- Golden opportunity for Northern Territory (NT) to be a 'key' supplier of domestic east coast markets
 - Comparable to QLD's gas exploration boom displacing the PNG pipeline
- Aggregated gas supplies include existing on- and off-shore reserves to underpin NT - East Coast pipeline for domestic market
- Price signals and open markets will drive exploration and supply, creating Gas Revolution for NT Requires Government endorsement.
- Central can be a major player in the solution through;
 - Targeting 200 PJs available reserves for sale into the inter-connected domestic market
 - Gas storage at Palm Valley in lead-up to pipeline completion
- Local communities and Traditional Owners would benefit from NT gas industry through royalties and employment – over 30% of Central's production workforce are Traditional Owners

Central's Strategic Plan

Short Term

Develop resources, production capability, infrastructure and cash flow

- Purchase of Dingo and Palm Valley Done
- Reacquire Ooraminna Done
- 100% owned fields have exploration opportunities to triple available gas
- Target 200 PJ of exploration and appraisal opportunities, serviced by infrastructure existing or being built
- Key objective is to connect NT with the Eastern States to supply the critical domestic gas market shortfall
- Identify opportunities to increase oil reserves, accelerate revenue
- Collaborate to accelerate progress in the Santos and Total farm-in areas

Pivotal Location Could Re-Rate Central Assets



Existing gas pipelines available for NT Market

- Major users Territory Generation / mining and industrial
- Darwin LNG (operating), Ichthys LNG (2016)



Pipelines being considered to connect NT with East Coast

- APA feasibility underway (3 alternatives identified)
- Likely routes run through Centrals exploration permits
- Market pricing ex-field would increase by 50% to 100% from average pricing currently being obtained

(1) Susceptibility to flooding - km² catchment upstream

Building on solid foundations

Oil and gas in production

Palm Valley Gas and Surprise Oil Field in production

✓ Year 1 revenue >\$12M

Dingo Gas Field on target for production commencing in H1 2015

 Operating footprint and key infrastructure established in heart of Centrals exploration tenements

Building Blocks - Completed

- ✓ Strengthen Board
- ✓ First class management team
- Cost control and fiscal management
- Strategic partnering through farm-outs to cap expenditure
- Prioritise exploration acreage and targets (technical review)
 - Commence exploration of unconventional plays



Near Term Exploration

- ✓ Within / adjacent Central infrastructure
- ✓ Poised for market opportunity[™]
- ✓ Meaningful targets





Reservoir \ Field	Palm Valley West	Palm Valley Field	Dingo Field	Ooraminna Field
Pacoota Sst	Target	Proven	(absent)	(absent)
Arumbera Sst	Target	Target	Proven	Gas flared
Pioneer Sst	Too deep	Too deep	?Target?	Proven



Palm Valley overview

History

- **Discovered 1965**
- Lease OL 3 granted 1982 •
- Gas delivered to Alice Springs from 1983, ٠ to Darwin from 1986 to 2012
- 11 wells, 5 producing, 1 brine disposal ٠
- Last well drilled in 2004 •
- Variable and low water rates
- Production to June 2014, ~158 BCF ٠

Description and upside

- Area >200 km²
- Gross hydrocarbon column up to 670 m
- Production primarily from natural fractures ٠
- Large volumes of gas present in tight matrix of the Pacoota and Stairway Sandstones, Horn Valley Siltstone
- Significant upside potential lies within low permeability matrix, recently proven to be recharging the fracture system



Palm Valley Deep – large potential

Opportunity

- Attractive volume estimates, indicative 5x remaining reserves
- Arumbera A1 Sst primary target
- Natural fracture development required
- Attractive target beneath producing gas field, plant, export pipeline





Palm Valley West – exploration

Opportunity

- Additional data have upgraded the structural target
- Pacoota Sst primary target
- Arumbera Sst secondary target
- Natural fracture development similar to Palm Valley is required
- Adjacent to producing gas field, plant, export pipeline
- Further mapping is scheduled to mature the opportunity





Ooraminna Field – close to Dingo pipeline

LEGEND Wells

- Seismic

Road

Permits

Ooraminna 2, drilled 2010 **Pioneer Sst**

- Flowed gas up to 0.15 MMcfd
- High angle fractures •

Arumbera Sst

Gas flares observed whilst drilling from 470 mKB in A1 member (Dingo Field)

Ooraminna opportunity

- Large feature
- Significant upside .
- Under explored ٠
- More fractured location and/or horizontal wells sought to increase flow rates
- Close to Dingo pipeline



Maturing leads in proximity of the Dingo Gas Field



Surprise Oil Field

Status

- Production commenced 1st April
- Oil trucked to Port Bonython
- 180 BOPD

Objectives

- Develop eastern closure
- Increase recovery efficiency
- Technical evaluation;
 - Optimised well design for Surprise East
 - Pressure support options









EP 115 and PL 6 – targeting oil



- Effective source and maturity of Horn Valley Siltstone (HVS)
- Seal, reservoir and timing are effective

Exploration Strategy

- Delineate traps along the many structural lineaments
- Acquire more seismic
- Challenge; prudent deployment of seismic line layout



EP 115 and PL 6 – targeting oil



Structural definition

- Detailed gravity survey complete, now in processing and interpretation
- Resolves structural trends
- Basis for seismic acquisition design



Strategic objectives

Medium Term

Expand gas supply capability by exploring and developing identified opportunities utilising established revenue flow

- Southern Amadeus Stage 2 with Santos proceeding following Mt Kitty's confirmation of hydrocarbons being present, with 1300 km future Seismic acquisition agreed
- Continue to progress unconventional shale gas in Arthur Creek Fm in South Georgina Basin with TOTAL
- Explore the unconventional Horn Valley Siltstone target in Amadeus Basin
- Early look at frontier areas; map structure with new gravity and magnetics



North Mereenie Block - opportunities



Mt Kitty – plugged and suspended

Results

- Flowed mixed gas at rates up to 500,000 cf/d
- Confirmed presence of hydrocarbons
- Includes valuable Helium up to 9%
- Wireline logging now completed
- Confirmed gas flowed from basement which is extensively fractured
- Structural closure over 165 km²
- Wellbore "plugged and suspended"

Outlook

- An oriented sidetrack could be considered to take advantage of the extensive fracturing observed
- Well design would contemplate fracture orientation

Analogues

- Fractured granite basement fields are known in Canada, USA, China, Gulf of Suez, India, SE Asia
- Oil fields in Vietnam are a possible analogue





Southern Amadeus – Stage 1 results

Representative Seismic Section showing major play types



Southern Amadeus – up dip Magee

Further seismic is required to delineate this updip lead



Stage 2 seismic program – focus areas



Specific data gathering requirements when pursuing an unconventional play



-Data requirements check list for each Lifecycle stage.

after Halliburton



Key deliverables to proceed to the appraisal phase



Strategic objective

Long Term

Development of 'next generation' assets

- The Western Amadeus create an opportunity pipeline as infrastructure and market dynamics open adjacent areas
 - > Detailed Gravity data to define trends prior to seismic
 - > Drill conventional targets, collect core data in HVS unconventional play
- Wiso Basin explore close to infrastructure



EP-115; multiple targets and play types



EP-115 - HVS unconventional potential



Summary

- Proven source rock, up to 120 m thick
- Excellent gas shows whilst drilling
- Varying maturity may open different play types in discrete areas \rightarrow

Outlook

Obtain cores whilst drilling conventional targets – to advance the play



EP(A)111

Wiso Basin – conventional and unconventional



Material growth opportunity

- Total area 43,217 km2
- Analogous geology to SGB
- Oil shows in Cambrian carbonates, stratigraphic wells
- Potential for conventional and unconventional plays
- Overlain by pipeline with 3rd party access

- Gravity and magnetics data reveals structural lineaments
- Possible traps adjacent to trough
- Basin deeps estimated at 3 to 5 km



Areas of Activity

Oil and Gas Production

- Surprise
- Palm Valley
- Dingo

Exploration areas

- Palm Valley gas
- Dingo gas
- Southern Amadeus gas Western Amadeus wet gas to oil
- Pedirka Basin

Frontier Exploration

• Wiso Basin West Amadeus



Summary

- Central is rapidly advancing the exploration and development of substantial acreage
- Australia's domestic gas market supply shortfall creates 'Golden Opportunity' for NT to be 'key' suppliers
- Opportunity to aggregate existing gas supplies to underpin NT East Coast pipeline for domestic market
- > Domestic markets can drive exploration and supply
- Central assets in key location for supply and storage opportunities in NT, Eastern States and export markets



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