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## OIL SEARCH LIMITED





#### Oil Search Profile

- Established in Papua New Guinea (PNG) in 1929
- Operates all of PNG's producing oil and gas fields. Current gross production ~33,500 boepd, net share ~18,500 boepd
- At December 2011, proven reserves were 330 mmboe, proven and probable 553 mmboe plus 318 mmboe 2C resources, taking 2P reserves and 2C resources to 870 mmboe
- PNG Government is largest shareholder with 15%. In early 2009, Govt issued exchangeable bonds over shares to IPIC of Abu Dhabi
- 29% interest in PNG LNG Project, world scale LNG project operated by ExxonMobil. Project in construction, first LNG sales expected 2014
- Exploration interests in PNG and Middle East/North Africa
- Market capitalisation ~US\$9 billion. Listed on ASX (Share Code OSH) and POMSOX, plus ADR programme (Share Code OISHY)



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## Key Oil and Gas Fields, PNG





## Significant Growth Phase

- Top quartile performer for past six years
- Significant growth opportunities identified, capable of driving future value
- Largest ever development, appraisal and exploration programme now underway
- Series of catalysts over next 18 months, with drilling results progressively delivered
- Activities supported by steady production, strong cash flows and healthy balance sheet







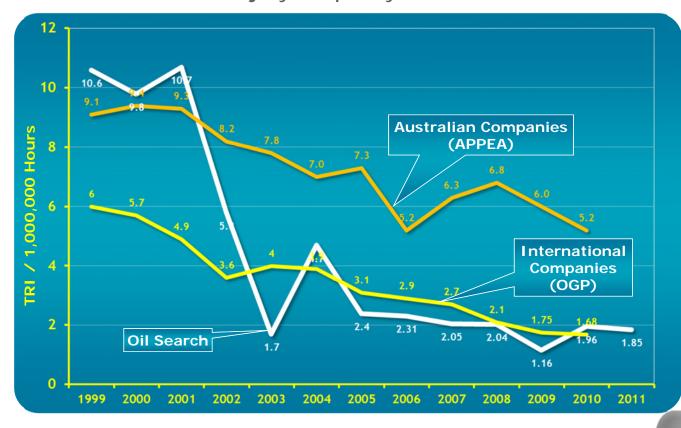
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## Focus on Safety

Total Recordable Injury Frequency Rate of 1.85 in 2011





# PNG LNG Project



PNG LNG Project progressing well

Remains on track for first sales in 2014

Budget unchanged at US\$15.7 billion

2012 peak activity year for Project



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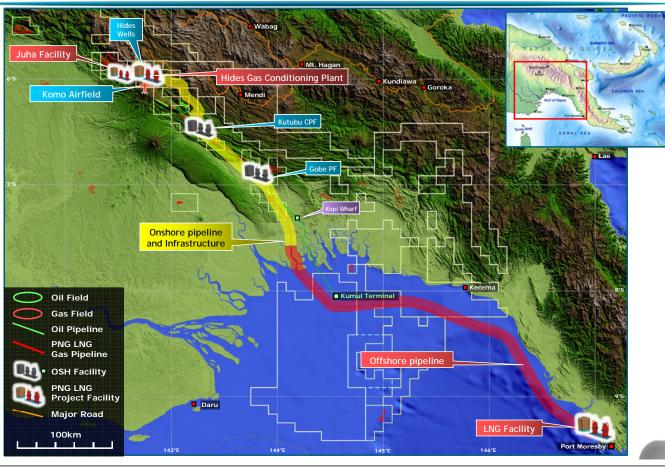
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## **PNG LNG Project**





## PNG LNG Project Overview

- 6.6 MTPA, 2 train development, operated by ExxonMobil
- Over its 30-year life, PNG LNG expected to produce more than 9 tcf of gas and 200+ million barrels of associated liquids
- Initial Equities:

ExxonMobil 33.2%

Oil Search29.0%

National Petroleum Company of PNG (PNG Government) 16.8%

Santos13.5%

Nippon Oil4.7%

MRDC (PNG Landowners) 2.8%

Fully contracted to Asian buyers, with continuing strong market interest

Sinopec (China) ~2.0 MTPA

TEPCO (Japan) ~1.8 MTPA

Osaka Gas (Japan) ~1.5 MTPA

— CPC (Taiwan) ~1.2 MTPA



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## **PNG LNG Project Overview**

Main EPC contractors:

LNG Plant: Chiyoda/JGC

Offshore Pipeline Saipem

Hides Gas Plant
 CBI/Clough JV

Onshore Pipeline Spiecapag

Infrastructure
 McConnell Dowell/CCC JV

Early WorksClough/Curtain JV

Associated Gas (OSH only) Jacobs (formerly Aker Solutions)

Different labour environment to Australian LNG projects.
 Workforce of ~16,000, >50% PNG nationals, plus many other different nationalities

First LNG sales on track for 2014, capital cost US\$15.7 billion



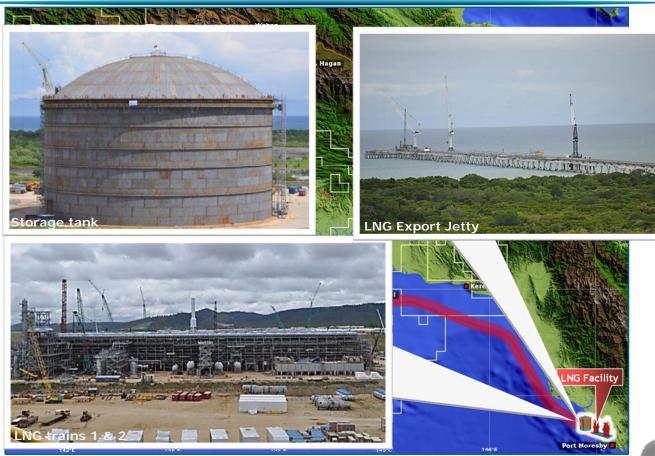
#### **PNG LNG Plant Site**





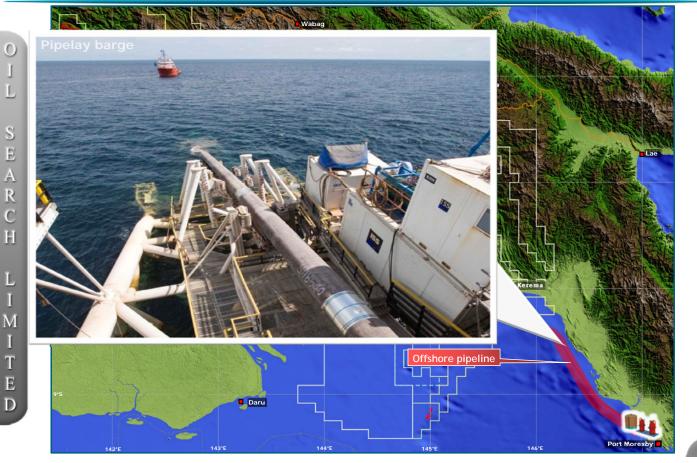


## **PNG LNG Plant Site**





## PNG LNG Project Offshore Pipeline





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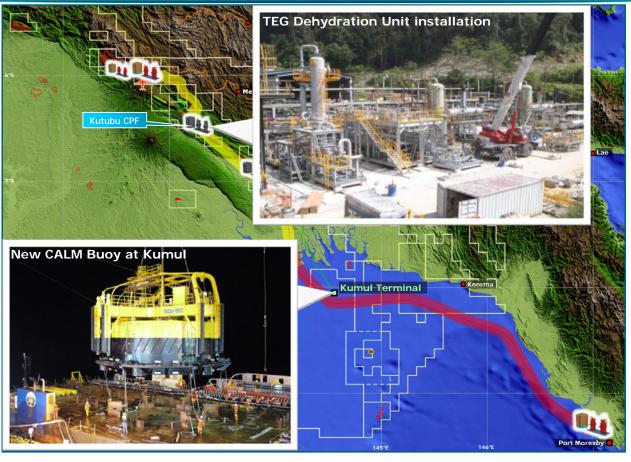


## PNG LNG Project Onshore Pipeline





## **PNG LNG AG Projects**



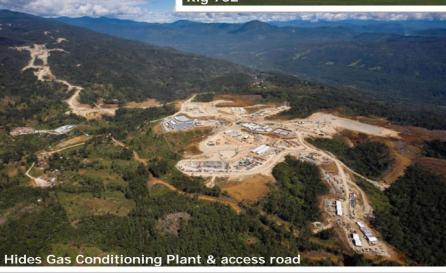


## **PNG LNG Project Upstream**











#### **Timetable**



- Detailed design
- Order long leads and place purchase orders
- Open supply routes
- **Contractor mobilisation**
- **Commence AG** construction

- Complete AG
- Continue onshore pipe lay Complete offshore
- pipe lay Start Hides plant
- installation Start Hides drilling

First Gas from Train 1, then Train 2

**2010** 

2011

2012

2013

2014

**Financial** 

Close

- Ongoing procurement and mobilisation
- Airfield construction
- **Drilling mobilisation**
- Start offshore pipeline
- construction
  Onshore line clearing
- and laying Start LNG equipment installation

- Complete pipe lay
- Ongoing drilling Complete Hides plant
- Commission LNG plant with Kutubu gas

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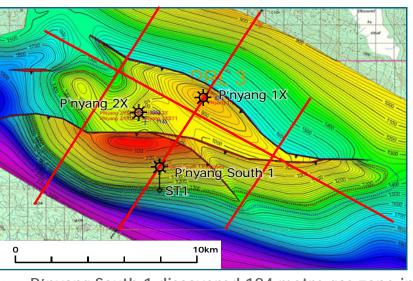
## Gas Maturation, PNG Highlands

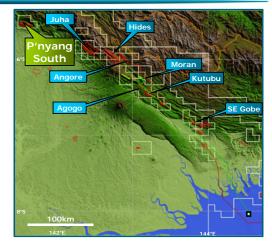


- —Highlands gas growth strategy:
  - Convert existing probable and possible reserves in PNG LNG fields to proven contractable category
  - New exploration activities
- P'nyang South
- Trapia exploration well
- Hides development and appraisal drilling
- Associated Gas reserves expansion and certification



## P'nyang South





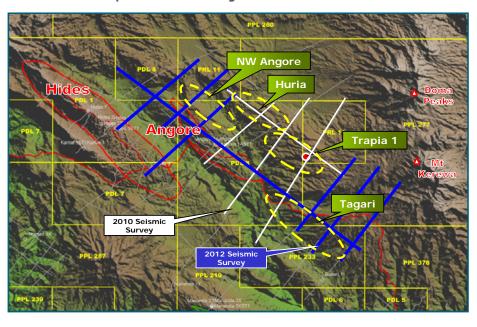
- P'nyang South 1 discovered 184 metre gas zone in southern fault block
- Sidetrack, P'nyang South 1 ST1, drilled to define gas:water contact, extended known gas column to ~380 metres
- Seismic and structural data suggests additional up-dip potential, total gas column >650 metres
- Result materially increases total estimated 2C gas resources in P'nyang field, potential key underpinning volume for LNG expansion
- PRL 3: ExxonMobil 49%, Oil Search 38.5%, JX Holdings 12.5%

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## Trapia 1

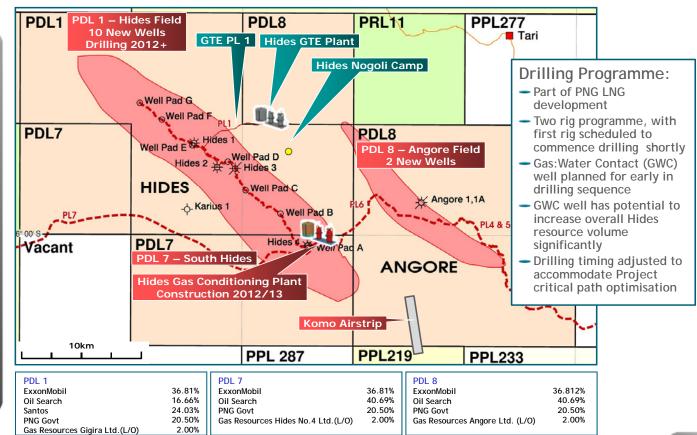
- Trapia exploration well recently spudded
- PRL 11: Oil Search 52.5%, ExxonMobil 47.5%
- Series of prospects in area with multi-tcf potential
- 150 km 2D seismic programme in 2012 to further mature prospects
- Recent acquisition of adjacent licence, PPL 277, 50:50 with ExxonMobil







# Hides Development and Appraisal Drilling



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#### Further Reserves from Oil Fields

- Recent discoveries, identification of potential new areas of reserves and success in gas conservation ahead of original prognosis provides further reserves for PNG LNG
- Certification of additional reserves in 2H12
- Mananda 5

  PPL233

  PPL233

  Moran

  SE Mananda

  Agogo

  PDL2

  PPL277

  Usano

  Gobe Main

  SE Gobe

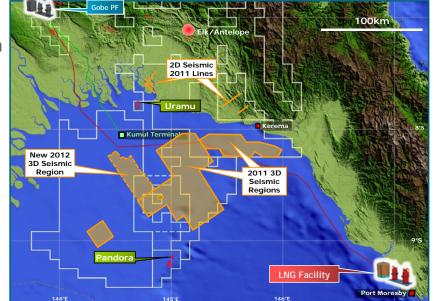
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- Reserves and deliverability review for oil and gas in existing oil fields will provide optimal production management plan post commencement of gas production for PNG LNG
- Potential upside for both gas and ongoing oil production



## Gas Expansion Opportunity, Gulf of Papua, PNG

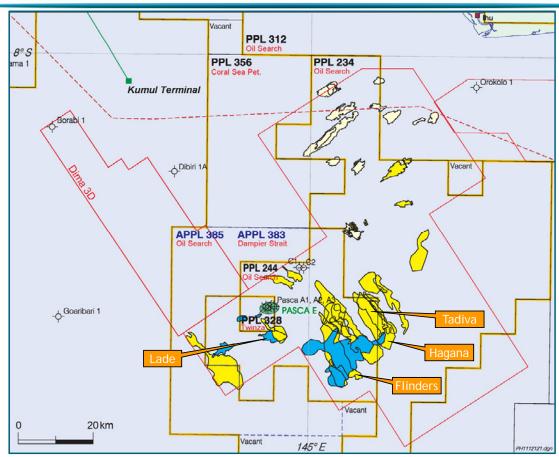
- OSH acquired significant equity positions/options for high equity in Gulf in 2010
- Major seismic survey acquired in 2011, which identified significant resource potential:
  - Over 30 opportunities across multiple play types
  - Potential to support 2 trains
- Additional seismic recently completed



- Semi-sub contracted to drill 2 firm wells + 2 options, commencing 4Q12
- Bids from potential farm-in partners under review, farm-down likely midyear



#### Results of Offshore Core Area





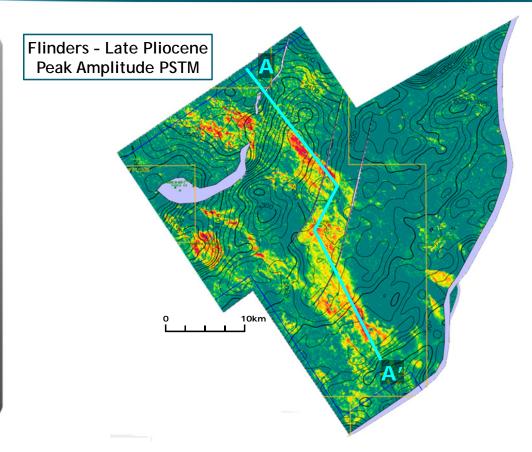
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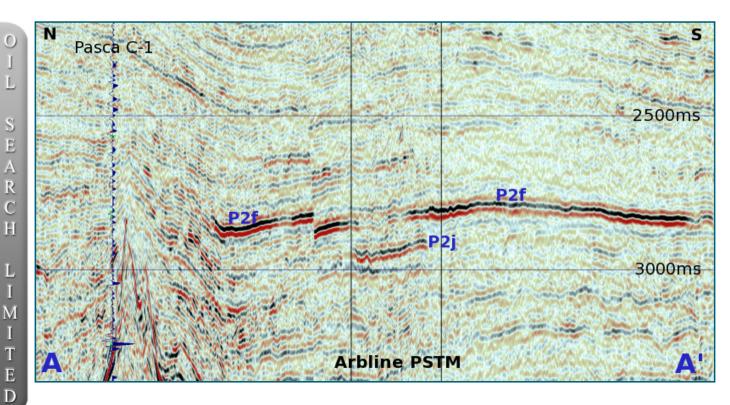
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#### Results of Offshore Core Area





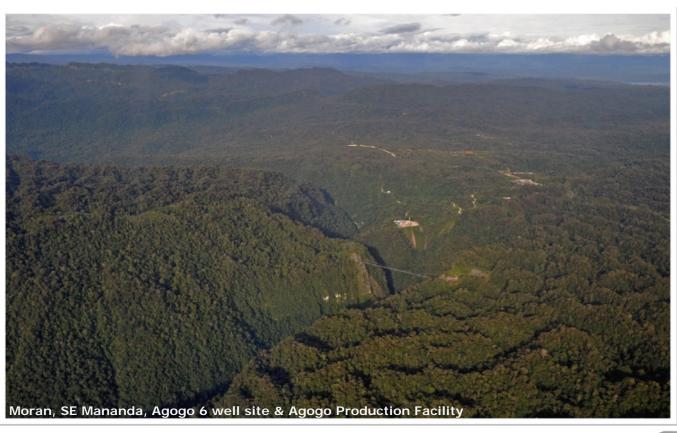
## Results of Offshore Core Area



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## **Production**





## Oil Search Production Outlook existing fields



- -2012 production guidance of 6.2 6.7 mmboe, unchanged from 2011 following success in near-field drilling programme (100% success rate in last 36 development/appraisal wells)
- Production in 2013 expected to be broadly flat, subject to success of work programmes
- -Rig 103 being mobilised back from P'nyang to PDL 2, optionality to pursue exploration and appraisal opportunities and development programme



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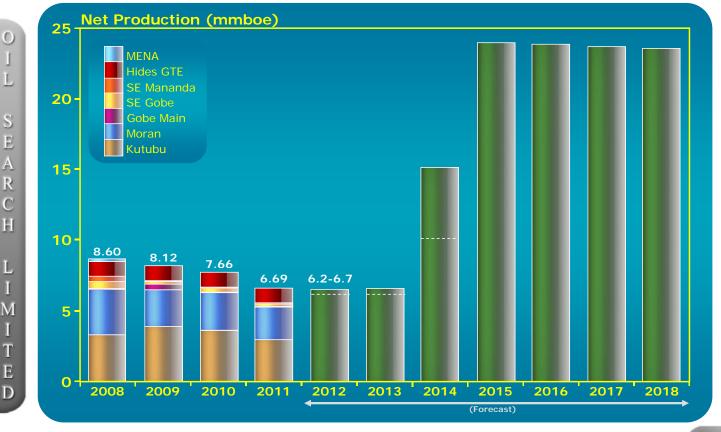
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## PNG LNG will transform production picture







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## Other Material Exploration Opportunities

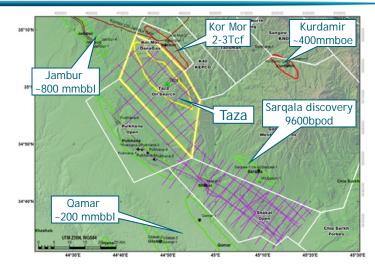




## Kurdistan Region of Iraq - Taza PSC







- Highly prospective region with many discoveries in last 4-5 years
- Taza PSC: OSH 60% (operator), ShaMaran 20%, KRG 20%
- Taza 1 well to spud shortly
- Potential mean recoverable resource 200 - 400 mmbbl, depending on recovery factors, phases present



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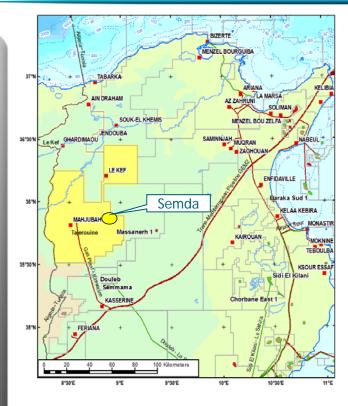
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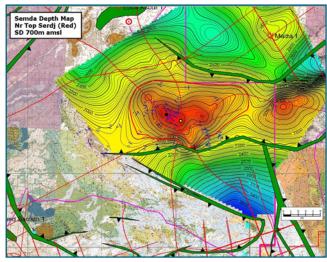
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## Tunisia - Tajerouine PSC





- Tajerouine PSC: OSH 100%
- Seismic acquired 2010, additional seismic in late 2011
- Well-defined structural closure at proven reservoir levels and deeper levels
- Potential recoverable resource: shallow oil (50-100mmbl) and deeper gas (100-200bcf)
- Preparations underway for 4Q12 spud
- 2 year PSC extension secured



#### **PNG** Issues

- Unprecedented political uncertainty in PNG over past year:
  - No impact to operations with continued progress on all projects during this period
- Election 23 June 6 July, writs returned by 27 July, with new Government formed in August/September:
  - Preparing to re-engage with new Government
- Oil Search likely to be PNG's largest single investor in 2012, with over US\$2bn to be spent on development, appraisal, exploration and operations:
  - Significant vote of confidence in quality of assets and ability of Company to work with Government, bureaucrats and community and manage operating and investment risks
- Future consistency of fiscal terms vital for sustained investment





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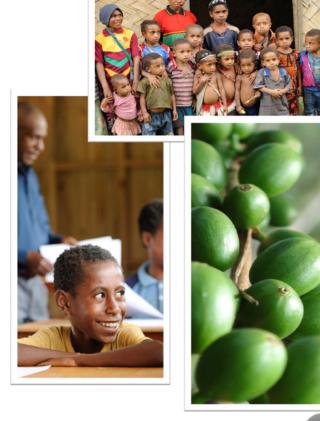
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## **Sustainability Focus**

- Desire to play a role in long term development and wellbeing of people of PNG
- Continued push towards improved transparency and governance of benefits distribution, taxes and landowner company payments
- Investment in community health programmes substantially increased, driven by Oil Search Health Foundation, supported by Global Fund, AusAid, ADB
- Active community development programmes:
  - Education and training
  - Agriculture
  - Health and sport development





## Summary

- 2012 transformational year for Oil Search. Unprecedented opportunity to underscore long term value growth from OSH's portfolio of assets
- Peak activity year for PNG LNG Project delivery
- Largest drilling programme ever undertaken by Oil Search underway, will continue through 2012 into 2013
- Continued strong oil field production performance and active pursuit of near field opportunities
- Activities underwritten by strong cash flows, solid balance sheet
- Remain confident that country risks and challenges can be managed





## Appendix 1: 2012 Guidance

- Production:
  - 6.2 6.7 mmboe
- Operating costs
  - US\$21 24/boe (incl. corporate costs)
  - Impacted by:
    - Major workover programme to maximise oil recoveries before gas production
    - **FOREX**
    - **PNG** inflation
    - Associated Gas activities
    - Sustainability initiatives
- Depreciation, depletion and amortisation:
  - US\$7 9/boe
  - Future DD&A profile impacted by life extension activities and development drilling opportunities
- Investment outlook
  - Exploration (~20-25% MENA):
  - PNG LNG Project (including capitalised interest and fees): US\$1,650 1,750m (US\$1,287m)

  - Corporate (including rigs):
  - **Business Development:**

US\$240 - 280m (US\$145m in 2011)

US\$130 - 150m (US\$129m)

US\$10m (US\$7m)

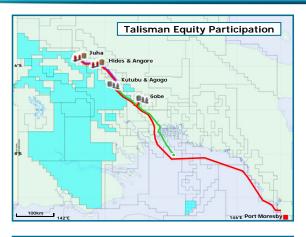
US\$7m (US\$10m)

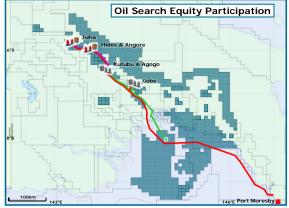
#### Liquidity

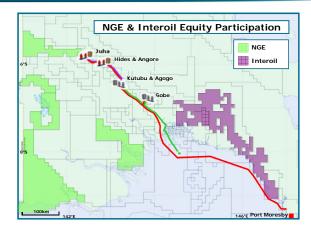
- Liquidity at 31 March 2012 ~US\$1.1 billion (US\$0.9bn cash plus corporate facility of US\$232m)
- At end March 2012, US\$2.01 billion drawn down under PNG LNG project finance facility
- Company remains well placed to meet existing commitments
- Expect to replace corporate facility prior to 3Q 2013 expiry



## **Appendix 2: Other Key PNG Players**







- Talisman/Mitsubishi have significant acreage in Western Forelands. InterOil has strong position in Eastern Forelands
- OSH strategy focused on core PNG LNG Foldbelt acreage and Gulf - viewed as offering greatest potential for large gas discoveries



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