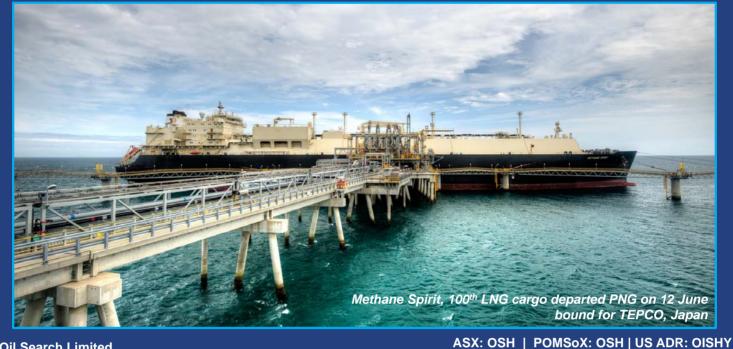
# **Oil Search Update**

#### The Journey Continues

Deutsche Bank Tokyo Roadshow, June 2015





Oil Search Limited ARBN 055 079 868

# **Oil Search Profile**





www.oilsearch.com

- » Established in Papua New Guinea (PNG) in 1929
- » Market capitalisation ~A\$12bn (~US\$9bn)
- > > 95% of OSH's assets in PNG
- » Operates all PNG's currently producing oil fields
- 29% interest in 6.9Mtpa PNG LNG Project, operated by ExxonMobil. First LNG cargoes shipped in May 2014. Project has transformed OSH into regionally significant oil and gas producer
- Comprehensive exploration and appraisal programme to underpin LNG expansion in PNG
- Exploration interests in Middle East/North Africa
- Listed on ASX (Share Code: OSH) and POMSOX, plus US ADR programme (Share Code: OISHY)

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# **Oil Search licence interests, PNG**



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# **Over 85 years experience in PNG**

- Excellent in-country track record of social responsibility and sustainable development – part of our DNA and integral to OSH's historic and future success
- » Unparalleled experience working in PNG Government, landowners, regulators, communities
- Extensive knowledge across fold belt geology, drilling, supply chain management, infrastructure development and operations in PNG
- Leading corporate citizen locally committed to community through local content approach, Oil Search Health Foundation, benefits management, local power and infrastructure projects
- » Negligible disruptions to production relating to community unrest since commencing operatorship in 2003



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## Core strategies have delivered steady long-term share price appreciation



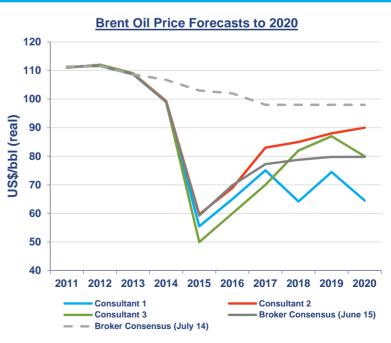


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# Adapting to the new oil price environment



- Size and speed of oil price fall was **》** unexpected
- However, OSH is in strong position to **»** manage lower oil price environment, with profitable production
- Proposed LNG growth projects remain **>>** attractive based on current long-term oil price assumptions
- Industry capital cost deflation now taking >> place
- Presents opportunity to recalibrate cost **>>** structure
- Overall, strategic direction remains **》** unchanged



Source: FACTS Global Energy, Wood Mackenzie, Various Brokers, OSH analysis

# Adapting to the new oil price environment cont.



- » 'Plan for the worst, hope for the best'
- 2015 capex and opex reduced, actively engaging with contractors to reduce costs further, by targeted 15 – 25%
- Business Optimisation Programme initiated. Strategic, measured and reasoned approach to improve work efficiencies and build value, without compromising safety and long-term sustainability
- » Looking to high-grade PNG portfolio to further support strategic initiatives
- Focus is to maintain top quartile returns to shareholders, underpinned by delivery of at least two new LNG trains in PNG



# 2015 Spending Cuts PNG Oil and Gas production costs ~20% Exploration and evaluation spend ~25% Production capital ~20% Corporate capital ~40%





PNGLNG Oil Search

# **PNG LNG Project**



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# PNG LNG Project – performing ahead of expectations, has delivered strong platform for future growth

- >> PNG LNG Project a major success story:
  - Delivered ahead of expectations and within revised US\$19bn budget
  - Operational and financial completion achieved in February 2015
  - To date, Project has exported >7 million tonnes of LNG and shipped ~100 LNG cargoes
- » Both trains now consistently operating at or above nameplate capacity of 6.9 MTPA
- » Focus on production optimisation/debottlenecking
- Project has delivered major infrastructure, Government and landowner support, Tier 1 LNG customers, financier confidence

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# Key focus for OSH is commercialising PNG's undeveloped gas

- PNG LNG Project has delivered strong platform for growth
- » PNG can deliver at least two more LNG trains underpinned by existing undeveloped resources in NW Highlands and Gulf areas and third train with modest drilling success
- » PNG LNG expansion and Elk/Antelope development are economically attractive
- Multiple exploration opportunities remain, to potentially provide backfill gas or additional trains
- Delivery of near-term additional trains is common objective for industry, communities and Government
- Solution Solution





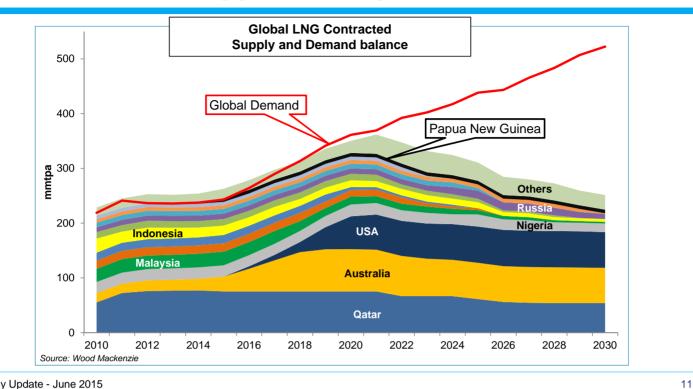


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Images courtesy ExxonMob

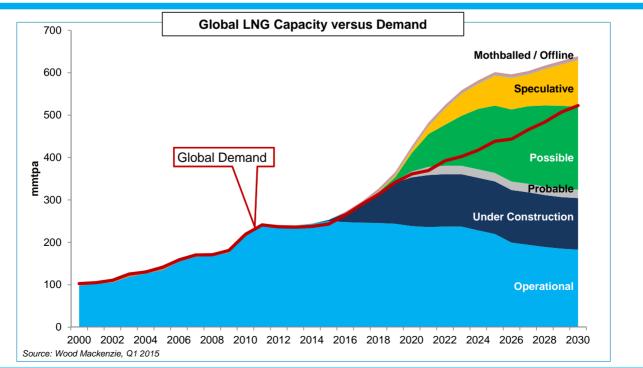


# LNG market well supplied until post 2020



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# Many global LNG projects proposed but how many work in new pricing paradigm?



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**Oil Sea** 

**Oil Search** 

# LNG from PNG has competitive advantages

- Conventional LNG projects with no new technology utilised in development
- Substantial reserves base with high heating value, suitable for Asian reticulation network
- » High liquids, enhancing economics
- Onshore location with existing infrastructure base from oil and LNG developments
- » Located close to growing Asian LNG markets
- » Stable fiscal regime with strong Government support
- Aligned Joint Ventures. Highly respected Operators able to deliver and operate major projects, augmented by OSH's 86 years of in-country experience
- Provide attractive returns and robust to product price movements

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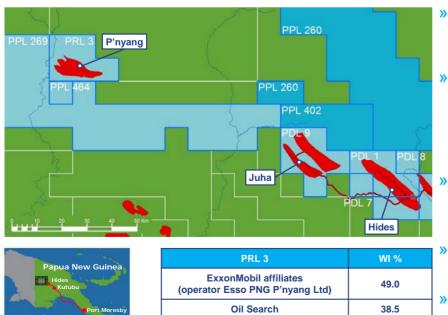
#### Image courtesy ExxonMobil

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### NW Hub: LNG expansion and power MoU signed



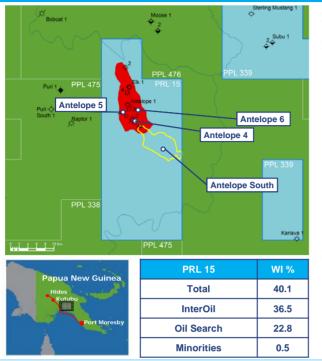
**JX Nippon** 

12.5

- ExxonMobil PNG Limited (as operator of PNG LNG and PRL 3) and PNG Government signed MoU in Jan 2015
- Sets roadmap for development of P'nyang to provide long-term gas resources to support domestic power and potential PNG LNG Project expansion
  - Power sale agreement with PNG Power, to supply 25MW of power for local use, signed in April 2015
  - P'nyang 2C contingent resource could increase materially
  - Planning for an appraisal well underway

# Gulf Hub: PRL 15 (Elk/Antelope) appraisal





<sup>»</sup> Potential second world-scale LNG development in PNG

- » Comprehensive appraisal programme underway, with initial results encouraging
  - Antelope 4: Located ~1 km south of Antelope 2. Well presently suspended and plans underway to sidetrack well using Rig 103 (subject to final JV approvals)
  - Antelope 5: Located ~1.8 km west of Antelope 2. Initial test completed in April. Additional testing, with pressure monitoring in Antelope 1, underway
  - Antelope 6: Located in eastern part of field. Well site preparation underway
- » Aim to complete resource evaluation, select broad development concept and move into pre-FEED in 2015:
  - Preliminary discussions on project financing, marketing and environmental and social mapping activities underway

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# Antelope 5 initial well test completed in April

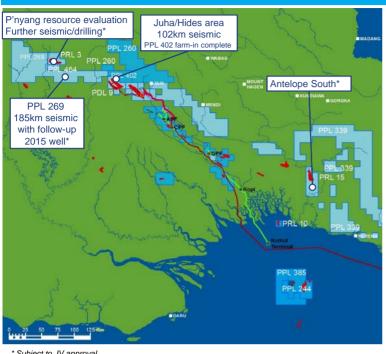


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# **PNG** gas exploration activities



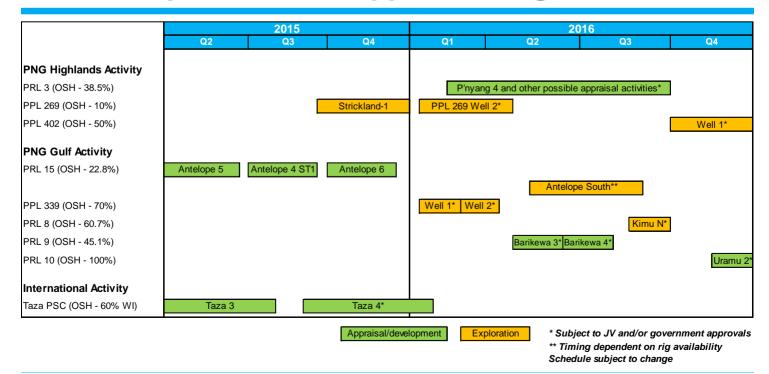


Subject to JV approval

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- » Focus of 2015 PNG exploration and evaluation programme is to mature material gas prospects for drilling in 2015/16, to support PNG LNG expansion or additional trains
- » Key gas exploration activities in 2015/16:
  - Antelope South exploration well\*
  - Exercised option to farm-in to 70% interest in PPL 339 in May 2015 (OSH-operated). Drilling in 2016
  - Extensive seismic and field work in NW Highlands exploration licences
  - Two wells to be drilled in PPL 269\* in late 2015/early 2016 (Talisman-operated)
  - Appraisal/exploration on Barikewa, Kimu and Uramu gas fields to commence in 2016 - material resource potential
  - Major PNG basin-wide review underway, focused on acquiring strategic material licence interests, to support long-term programme

# 2015-16 Exploration and Appraisal Programme Oil Search



# Contributing to long-term sustainability in PNG some essentials

- » With PNG LNG in production, vital to ensure efficient benefits distribution throughout PNG
- » Partnership between State and Private Sector has never been more important
- » Focus areas:
  - Provision of competitively priced, reliable power
    - Port Moresby
    - Highlands and Ramu Grids
      - Platform for industry development
      - Small scale LNG/CNG for resource projects and remote communities
  - Partnerships on infrastructure development
  - Partnerships on health programmes
  - Capacity development

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### **Summary**

- PNG LNG Project delivered ahead of schedule and **》** within revised budget, performing above expectations
- PNG well placed to significantly expand LNG exports **》** over next 5-7 years
  - » Potential for OSH to more than double production by 2021/22
- Lower oil price environment represents opportunity to **》** recalibrate cost base, improve fiscal discipline, drive efficiencies and enhance portfolio
- Top quartile projects will continue to progress **》**
- OSH in good shape to grow through these changes, with **》** strong balance sheet and ample liquidity to pursue growth



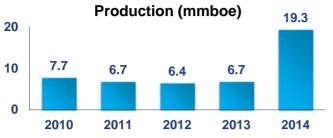


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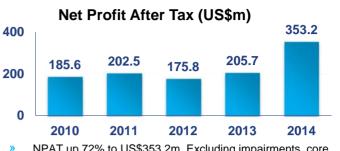
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# Appendix 1: 2014 key financial metrics

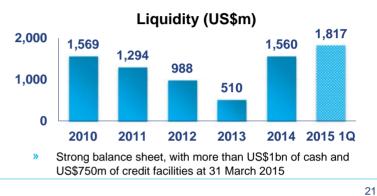


Production up 186%, reflecting PNG LNG Project start-up plus solid performance from oil fields – all time high

20102011201220132014>>Dividend up 250% on 2013, equivalent to44% dividend payout<br/>ratio on 2014 core profit



 NPAT up 72% to US\$353.2m. Excluding impairments, core profit up 135%, from US\$205.7m to US\$482.8m – highest ever



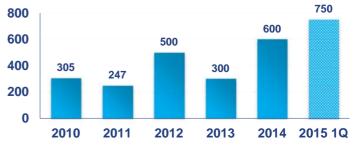
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### Appendix 2: Treasury Update (as at 31 Mar 2015)

» Liquidity of \$1.8n:

- US\$1,067m cash
- US\$250m available under bilateral revolving credit facilities
- US\$500m available from non-amortising corporate revolving facility
- » Total debt of US\$4.3bn, all related to OSH's share drawn down under PNG LNG Project finance facility
- » PNG LNG Project financial completion achieved in February 2015, releasing US\$854m from PNG LNG escrowed accounts



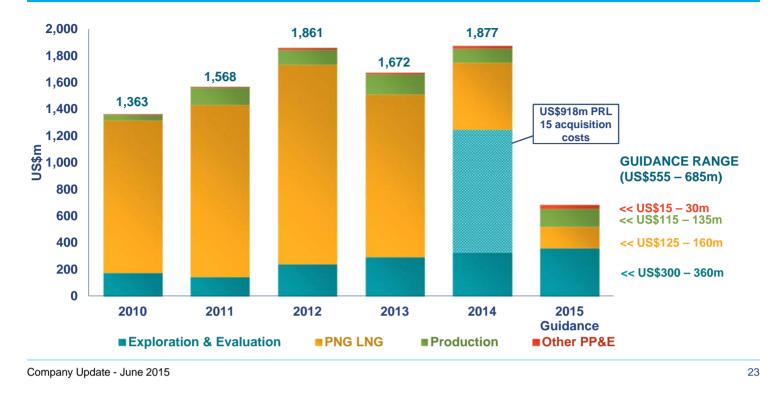




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# Appendix 3: 2015 Investment Outlook





# **Appendix 4: 2015 Guidance Summary**



Production	
Oil Search operated (PNG Oil and Gas)	6 – 7 mmboe <sup>1,2</sup>
PNG LNG Project	
LNG	88 – 91 bcf
Liquids	2.8 – 3.0 mmbbl
Total PNG LNG Project	20 – 21 mmboe <sup>1</sup>
Total Production	26 – 28 mmboe
Operating Costs	
Production costs	US\$10 – 12 / boe
Other operating costs <sup>3</sup>	US\$145 – 165 million
Depreciation and amortisation	US\$13 – 14 / boe

Numbers may not add due to rounding

<sup>1</sup> Gas volumes have been converted to barrels of oil equivalent using an Oil Search specific conversion factor of 5,100 scf per boe, which represents a weighted average, based on Oil Search's reserves portfolio, using the actual calorific value of each gas volume at its point of sale.

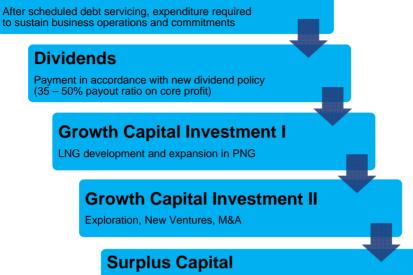
<sup>2</sup> Includes South East Gobe gas sales.

<sup>3</sup> Includes Hides GTE gas purchase costs, royalties and levies, selling and distribution costs, rig operating costs, corporate administration costs (including business development) and inventory movements.

# **Appendix 5: Cash Flow Priorities**

**Available Cashflows** 





Return to shareholders via share buy-backs, special dividends

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PNGL

# Appendix 6: PNG LNG Project quick facts

OVERVIEW		INFRASTRUCTURE	
Nameplate capacity	6.9 MTPA, 2 train development	LNG jetty length	2.4km
Project investment	US\$18.8 billion	LNG tank capacity	2 x 160,000m <sup>3</sup>
Joint Venture partners Contracts	ExxonMobil (33.2%), Oil Search (29.0%), National Petroleum Company of PNG (PNG Govt) (16.8%), Santos (13.5%), Nippon Oil (4.7%), MRDC (PNG Landowners) (2.8%)         6.6 MTPA contracted to Asian buyers: Sinopec (China) ~2.0 MTPA TEPCO (Japan) ~1.8 MTPA Osaka Gas (Japan) ~1.5 MTPA CPC (Taiwan) ~1.2 MTPA	HGCP production capacity	960mmcf/day
		Komo Airfield length	3.2km
		Total length of pipelines	~800km (including condensate lines)
		Highest altitude of onshore pipeline	2,700m above sea level
		Onshore pipeline length	292km
		Offshore pipeline length	407km
PRODUCTION		WORKFORCE	
Production over Project life	>9tcf gas and >200 mmbbl condensate	Total construction workforce	>55,000
Associated oil fields contribution	~20%	Peak construction workforce	21,220 (4Q 2012), comprising 40% PNG citizens
Cargo loads per year	>90 cargoes	Construction work hours completed	~200 million
LNG ship size	125,000 - 220,000m <sup>3</sup>	SOCIAL ENGAGEMENT DURING CONSTRUCTION	
NG ship count	6 ships	Landowner company spend	>2.72 billion Kina
DRILLING		In-country spend	~11 billion Kina
Drilling rigs	2 x 60m tall weighing 725 metric tonnes	Training provided	>2.17 million hours via ~13,000 training programmes
Wells (field life)	13 production wells (9 Hides* + 2 Angore + 2 Juha) + 1 produced water disposal well	Entrepreneurs assisted	>17,000 via Enterprise Centre to develop business capacity
Production well depth	Up to 3,000m (excluding PWD)	Community engagements	>4,500 engagements with >165,000 attendees
* Includes Hides F1Deep well drilled to	Toro reservoir		Source: ExxonMobil

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