## BHP Billiton Petroleum and Growth

Philip Aiken

President and Chief Executive Officer, Petroleum

Analyst Briefing, South Africa September 2002



#### Petroleum Financial Year 2002

Revenue: US\$2.9 billion

EBIT: US\$1.1 billion

Total reserves: 1.4 billion boe

Average daily production: 366,000 boe/d

Total production: 134 MMboe

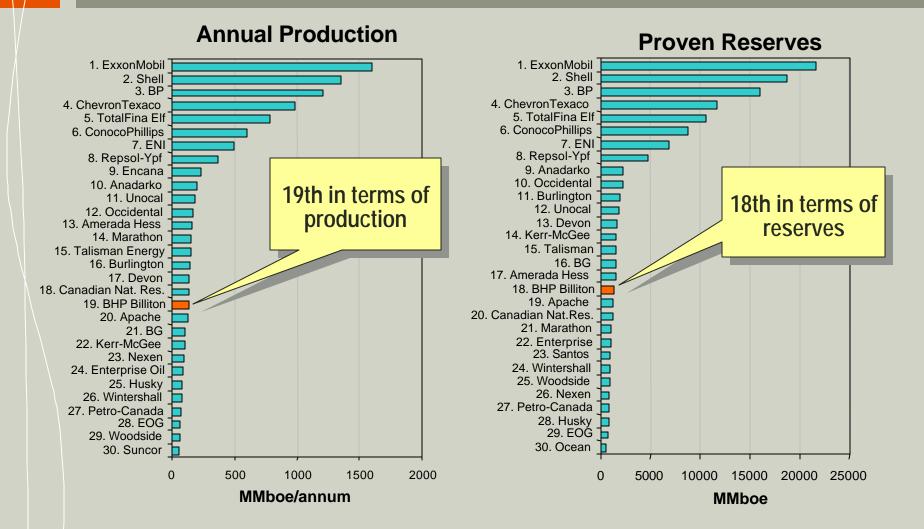
No. of staff & contractors: 1,600

Main centres: Melbourne, London,

Houston, Perth



## Petroleum Relative to the Industry Players



#### Excludes companies with significant state ownership

BHPB shown with FY01 production
Other companies are CY01 data except CY00 where not available
Source: Evaluate Energy

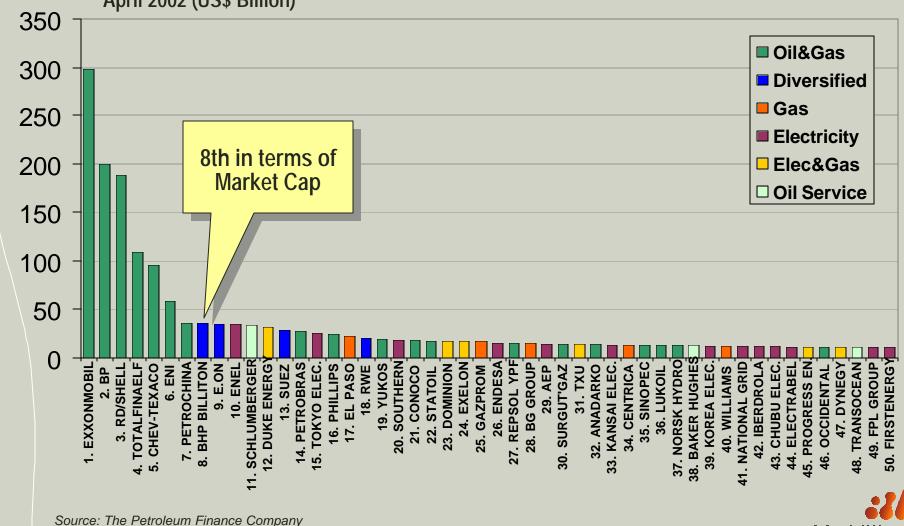


#### **BHP Billiton**

- is a small-medium player in a huge energy industry

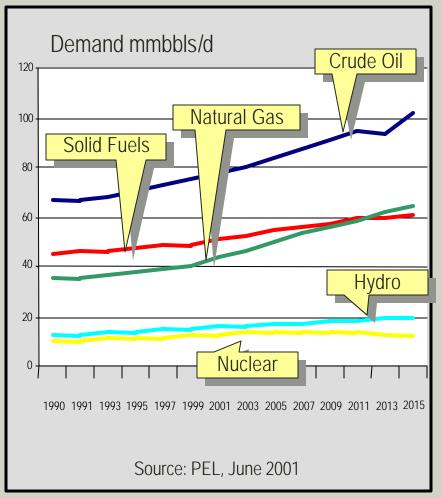
Market Capitalization of the Top 50 Energy Companies (PFC Energy 50)

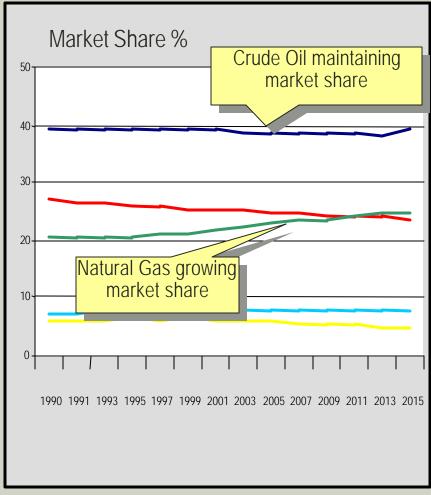
April 2002 (US\$ Billion)



**bhp**billiton

# The Energy Industry -maturing but global demand looks robust, particularly for gas

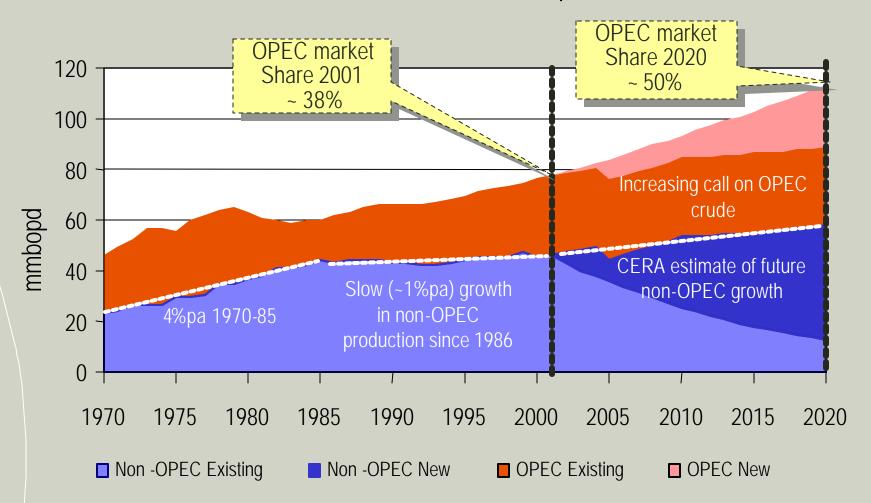






# Long-Term Production View -increasing liquids demand to be met largely through OPEC production

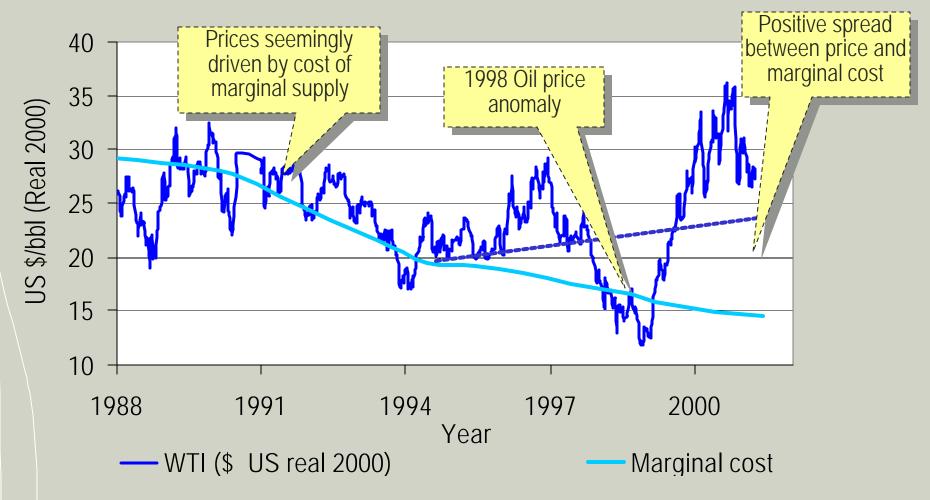
#### Future Production Requirements





#### Oil Price-Key Determinant of Profitability

There has been a positive and widening spread between oil price and marginal cost since 1995

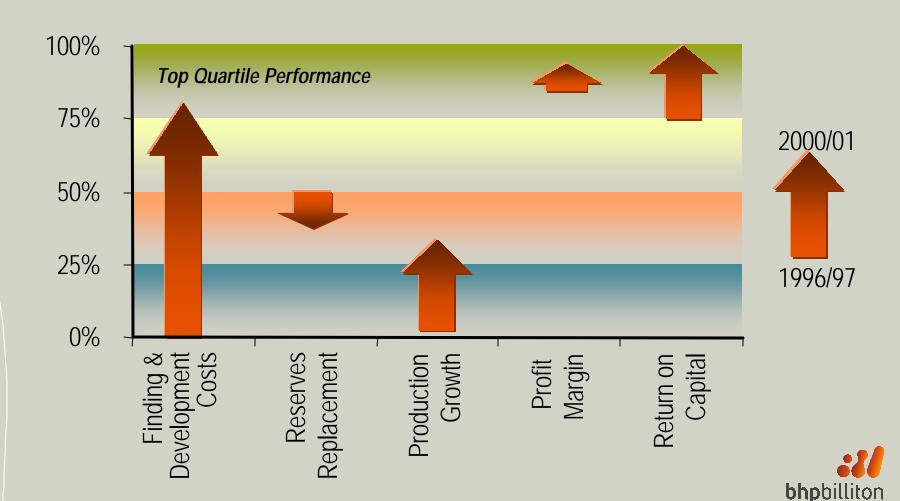


"Marginal Cost" is the oil price required for the 3/4<sup>th</sup> quartile producer to meet his cost of capital (Source: Goldman Sachs)

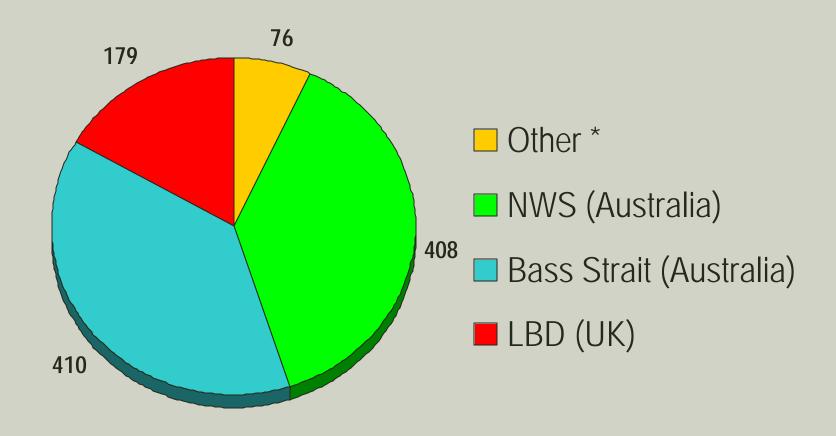


# Peer Group Benchmarking

BHP Billiton's Peer Group Ranking – change in industry position over 4 years Performance based upon 3 year averages to 1996/7 and 2000/2001



#### Petroleum EBIT FY 2002 US\$million



US\$1073 million



<sup>\*</sup> Includes exploration expenditure and overhead

#### Petroleum Production FY 02 – 134 MMboe

Bass Strait

- Australia

North West Shelf - Australia

Laminaria/Corallina - Australia

Griffin

- Australia

Liverpool Bay

- United Kingdom

Bruce/Keith

- United Kingdom

Gulf of Mexico

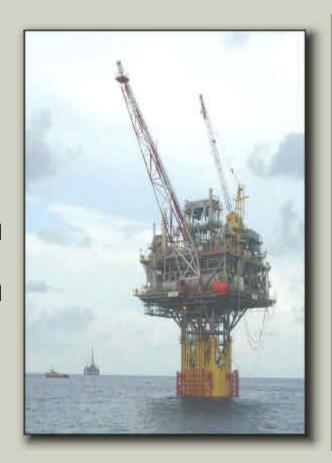
- United States

Mamore

- Bolivia

Zamzama

- Pakistan





#### Petroleum Complementary Growth Strategies

# High Margin Oil Exploration & Production

- High-margin v subsurface /technological risk
- Price upside

# Low Risk Resources (Discovered)

- Positioning in resourcerich countries
- Low risk resources vs political risk

Global Portfolio

#### Gas

- High-growth
- Environmental /greenhouse driver

#### **Cash Generation**

- Maximize returns
- Limited growth or capability contribution



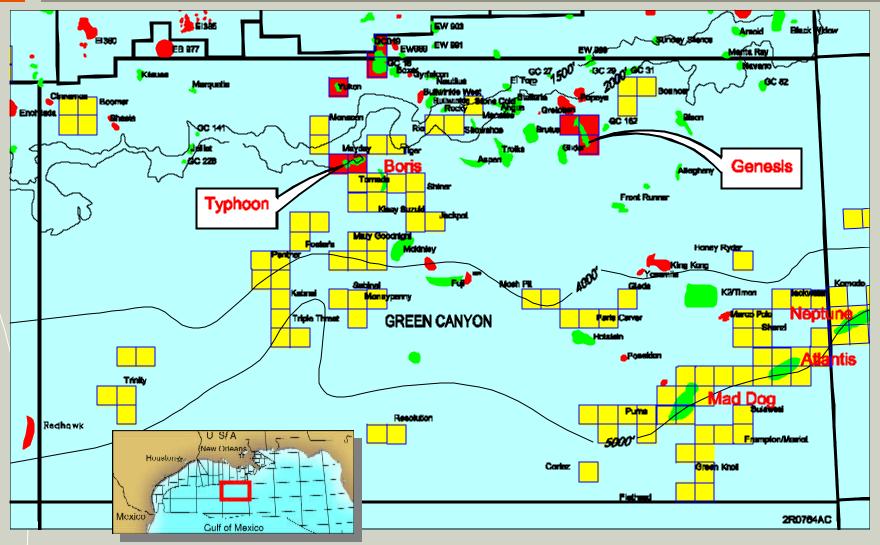
# High Margin Exploration

- Gulf of Mexico
- Trinidad
- · Australia, Brunei, Africa
- Other opportunities
  - access, position long term
  - deepwater and others



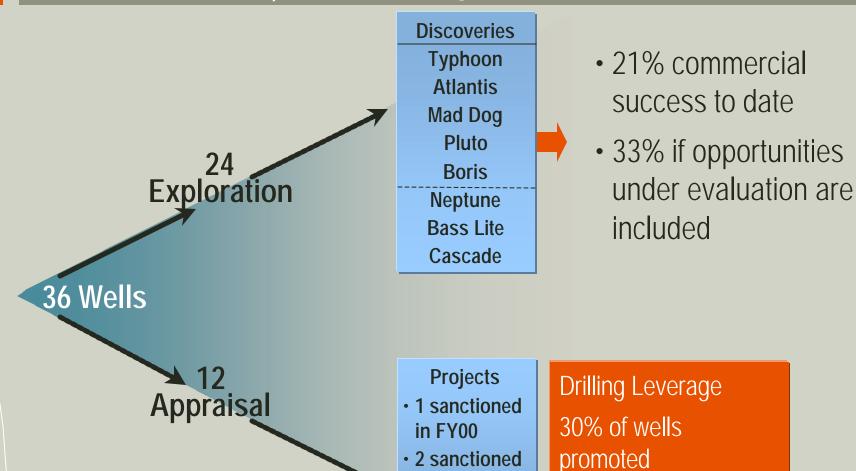


# Green Canyon Area





## Gulf of Mexico Exploration - Program Result FY94 - FY02

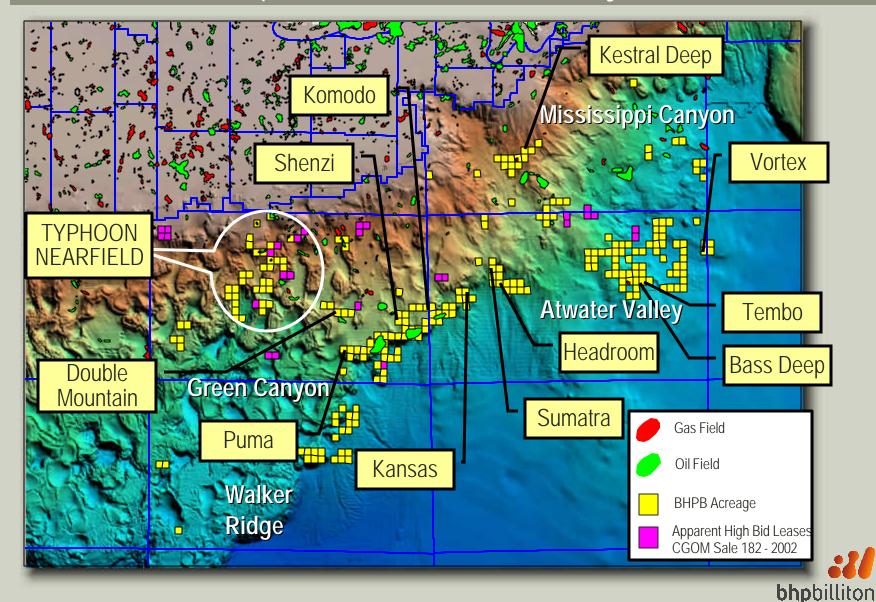


in FY02

· 1 sold

(6 of last 9 exploration wells drilled)

### Gulf of Mexico Exploration Current Inventory



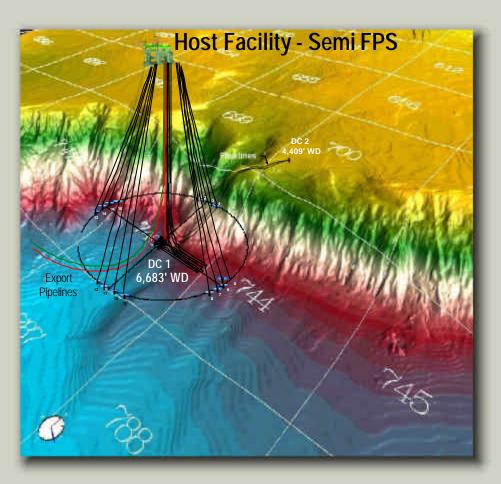
# Mad Dog SPAR Facility



- Reserve Range (gross)
  - 200 450 (operator estimate 350)
     MMboe
- BHPB share 23.9%
- Gross capex US\$ 1.4 billion
- Investor in transportation
- Wells
  - 16 well slots,13 producers
- Capacity
  - ~80 mbbl/d, 40 MMcf/d
  - ~50 mbbl/d produced water
- Drill Rig
  - ~5250 ton rig payload
- Accommodation
  - 130 (drilling & operations)
- Subsea System
  - 3 4 wells



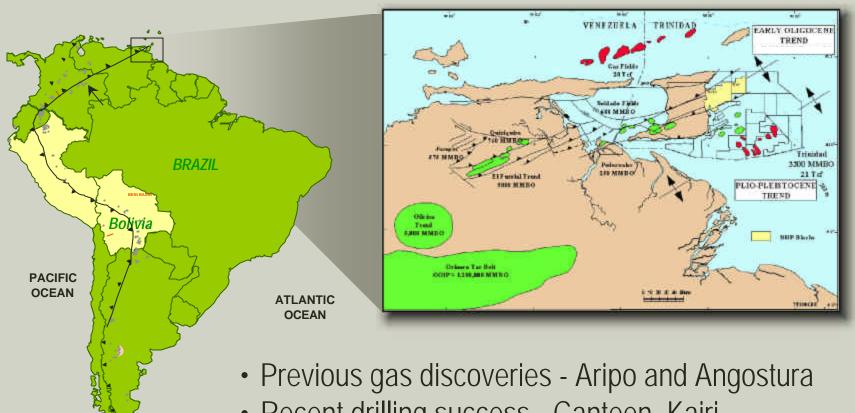
## Atlantis Development



- One of Gulf of Mexico's largest fields
- Water depths in excess of 6,000 feet
- Gross capacity 150,000 bbl/d
- Gross reserves 575 MMboe
- BHPB share 44%
- FEED studies underway
- Gross capex >US\$2 billion



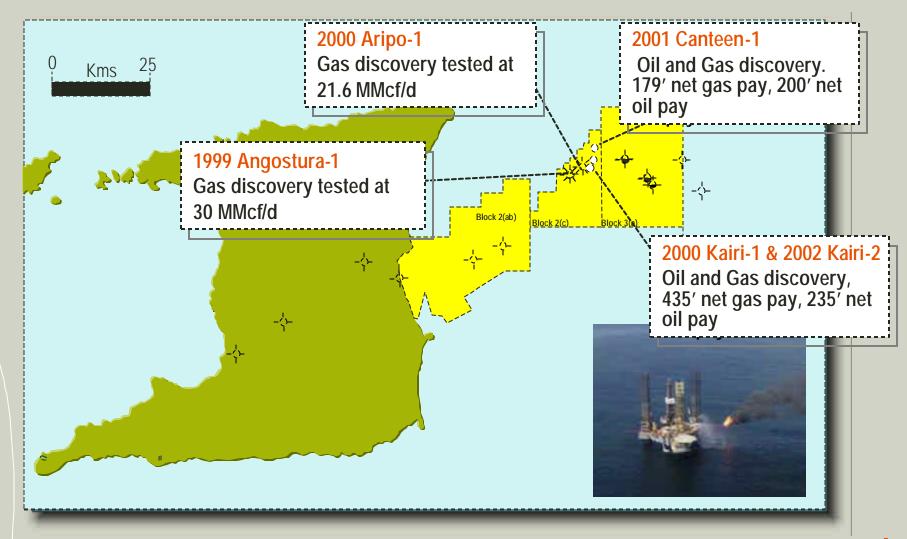
#### Trinidad



- · Recent drilling success Canteen, Kairi
- Oil development sanction 2003
- Exploration acreage extended
- Core exploration potential



## Trinidad – Basis of Development





#### Gas Commercialisation

- North West Shelf Train 4
   (gross capex A\$2.4 billion)
- Pakistan
- Bass Strait
  - Eastern States
     Australia/Minerva
     (gross capex US\$137 million)
- Other LNG
  - China supply deal
  - Korea potential
  - Taiwan potential





#### Zamzama - Pakistan



- Good prospectivity and growing domestic gas demand
- Brownfield development based on existing production asset
- Further gas sales agreements completed
- Full field development of 300 MMcf/d gross with first gas in 2003
- BHPB share 38.5% and Operator
- Gross capex ~ US\$100 million



#### Low Risk Discovered Resources

Algeria

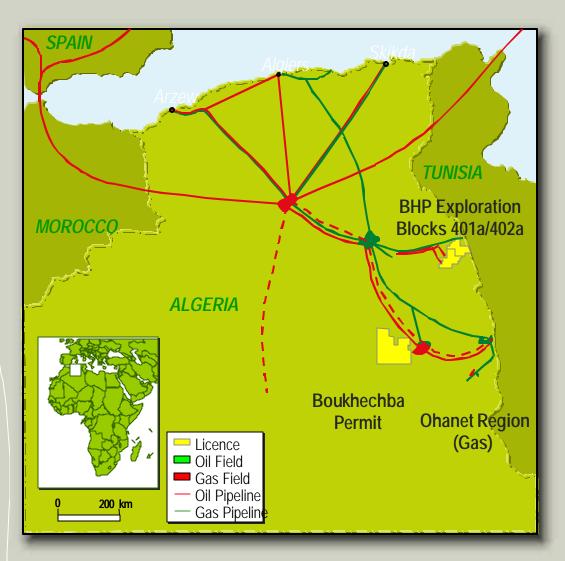
ROD and Ohanet

Other Middle East

evaluation of opportunities



#### Algeria



- BHP Billiton entry 1989
- Successful exploration
- ROD oil development sanctioned June 2000
- Excellent relationship with SONATRACH
- Successful bid for Ohanet wet gas field development
- Algeria's first Risk Service Contract
- Total investment US\$1.5 billion

**bhp**billiton

#### Algerian Projects

#### ROD oil field

- Central process facility at BRN
- Production 80,000 bbl/d
- First oil: 2004
- Capital Expenditure: US\$500M
- Partners:
  - BHP Billiton 35%(45% in 401/402)
  - AGIP/ENI
  - SONATRACH

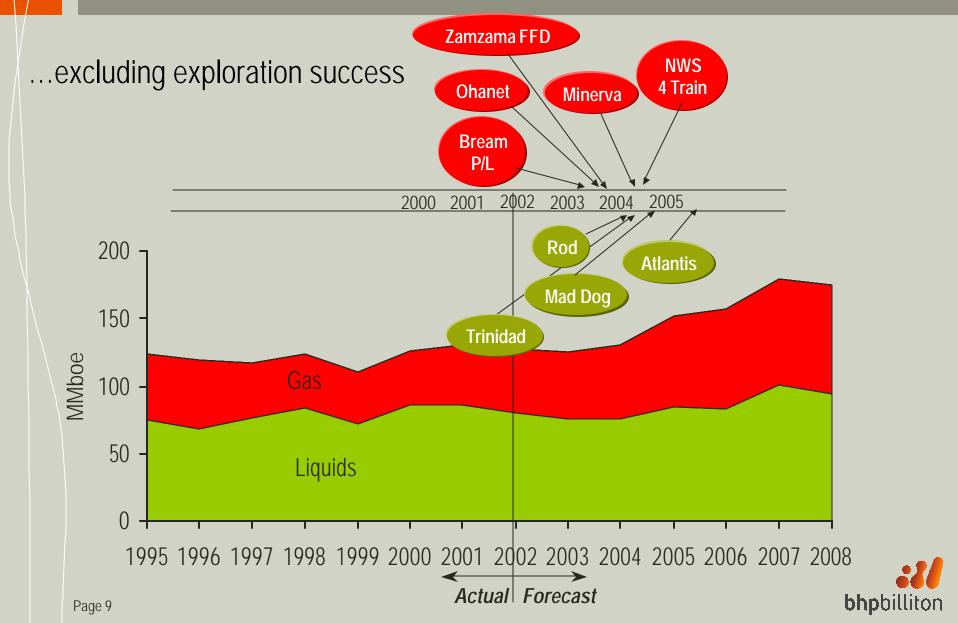
#### **Ohanet**

- Wet gas development
- 700 MMcf/d processing facility
- First gas target: FY 2004
- Capital Expenditure: US\$1,030M
- JV partners:
  - BHP Billiton (45%)
  - JOOG
  - Petrofac
  - Woodside\*

<sup>\*</sup>subject to government approval



#### Petroleum Production Forecast



# The existing focused asset portfolio





# Summary: Business Focus

- Maximize existing value (now)
- Deliver projects in progress (1-3 years)
- Sanction and develop (3-4years)

Create new opportunities (4+ years)



#### Summary

BHP Billiton is a significant global resources company

- BHP Billiton Petroleum is a well established oil and gas business with:
  - strong producing assets; and
  - substantial growth opportunities
- BHP Billiton Petroleum is a significant contributor to BHP Billiton



