



Technology's Role in the Development of Frontier Resources

J Michael Yeager Chief Executive Petroleum
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Non-GAAP Financial Information

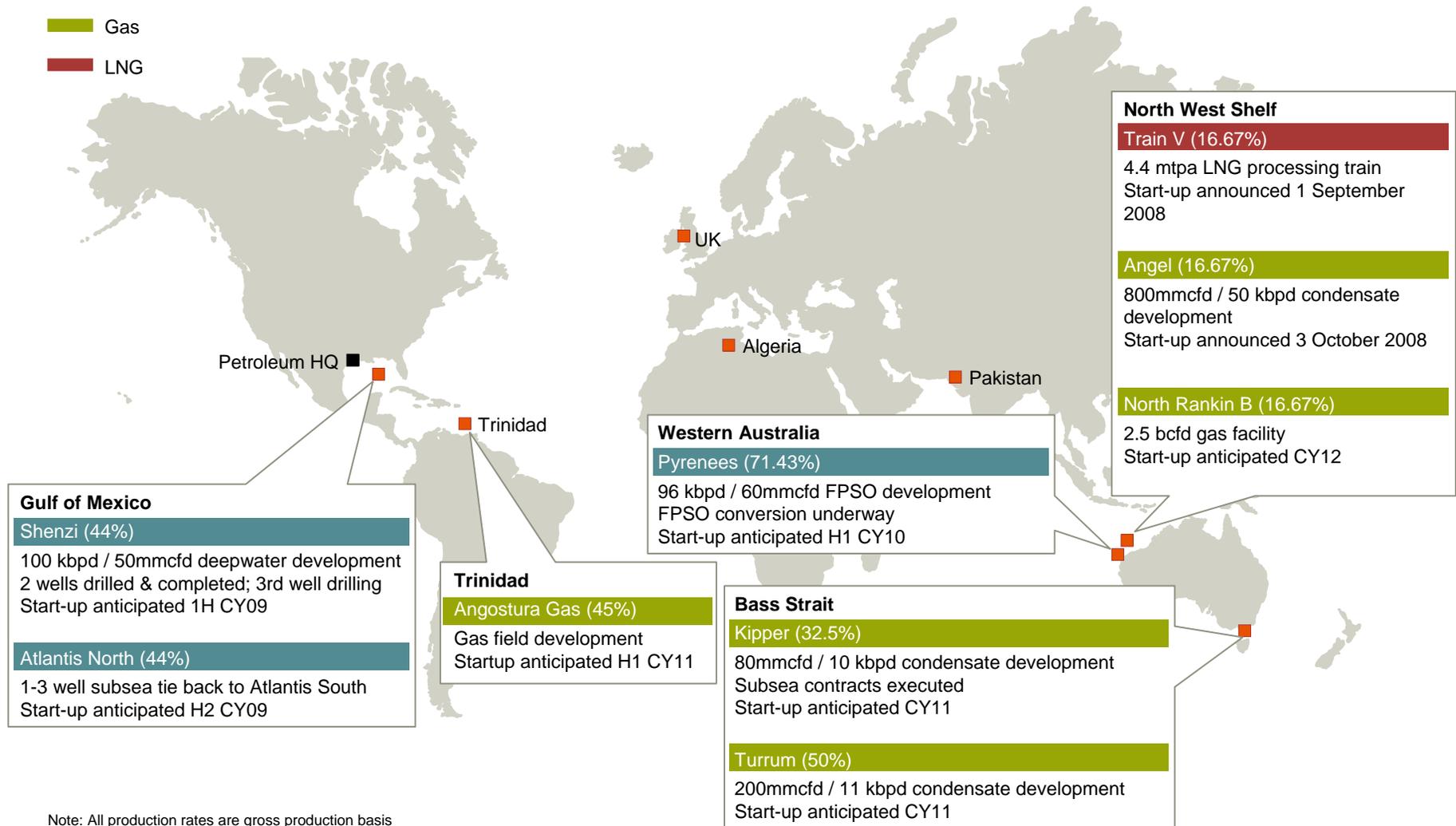
BHP Billiton results are reported under International Financial Reporting Standards (IFRS). References to Underlying EBIT and EBITDA exclude net finance costs and taxation for jointly controlled entities, and exceptional items. A reconciliation to statutory EBIT is contained within the profit announcement, available at our website www.bhpbilliton.com.

- The core strategy
 - Large, long-life upstream assets with multiple options – that we operate
 - Target organic growth opportunities that are material to BHP Billiton
 - Balanced proven plays and frontier exploration
 - Functional organizational model to achieve top quartile performance
- Our competitive advantages
 - Balance sheet strength of a super major, with the energy of a start-up
 - Able to compete technically with super majors in chosen locations
 - Industry leading geoscience imaging technology in deepwater subsalt
 - Trusted and dynamic partner
 - Quality of decisions versus competitors



Global Operational Presence Projects in Execution

- Oil
- Gas
- LNG



Note: All production rates are gross production basis

Operating Safely and Efficiently

Safety Record

- Achieved 100% reduction in LTIFR between FY07 and 1H FY09 – now at 0
- Negligible level of hydrocarbon releases

100,100,100

- Operated production uptime increasing year-over-year – now 92%
- Record production ramp-ups from new projects – Neptune, Stybarrow

Unit Cost Focus

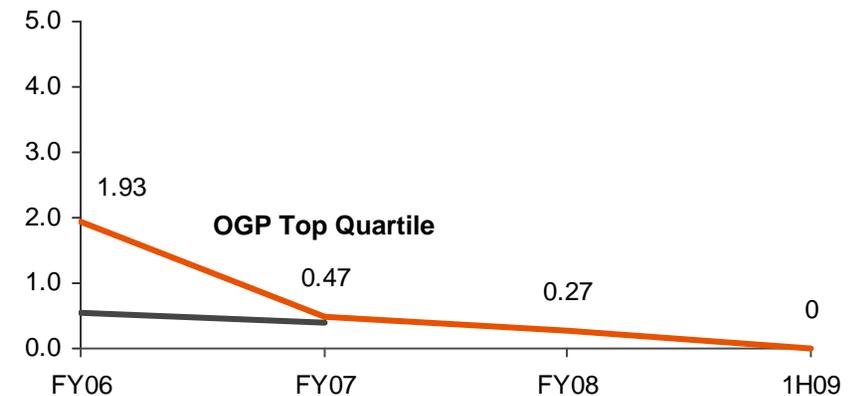
- Unit operating costs holding steady at less than \$6/boe
- Unit DD&A currently at ~\$10/boe

Reserve Replacement

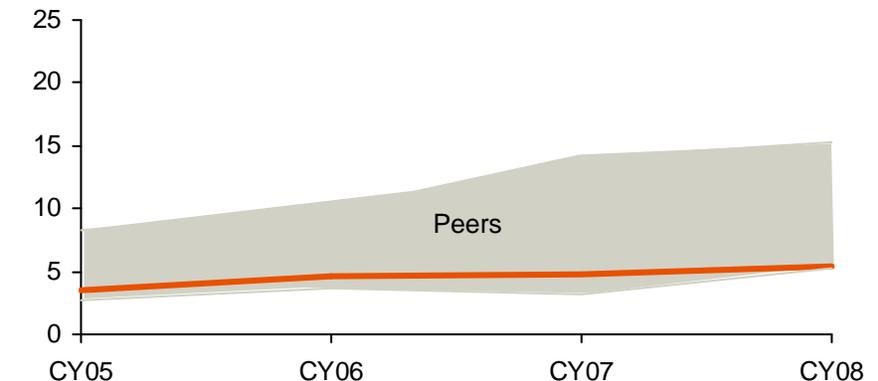
- >100% past two years

Peers: APC, APA, DVN, HES, WPL, MUR, TLM

Lost Time Injury Frequency Rate (LTIFR) (Per million hours)



Cash operating costs (US\$/boe)



Technologies for Frontier Resource Development

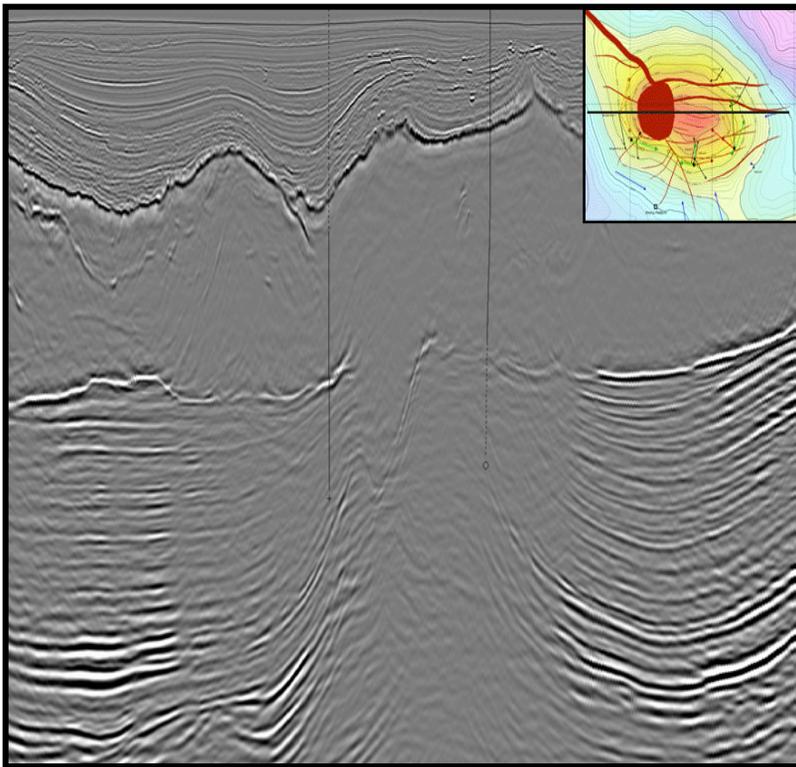
- Advanced Seismic Imaging
- Deepwater Drilling Performance
- Project Management



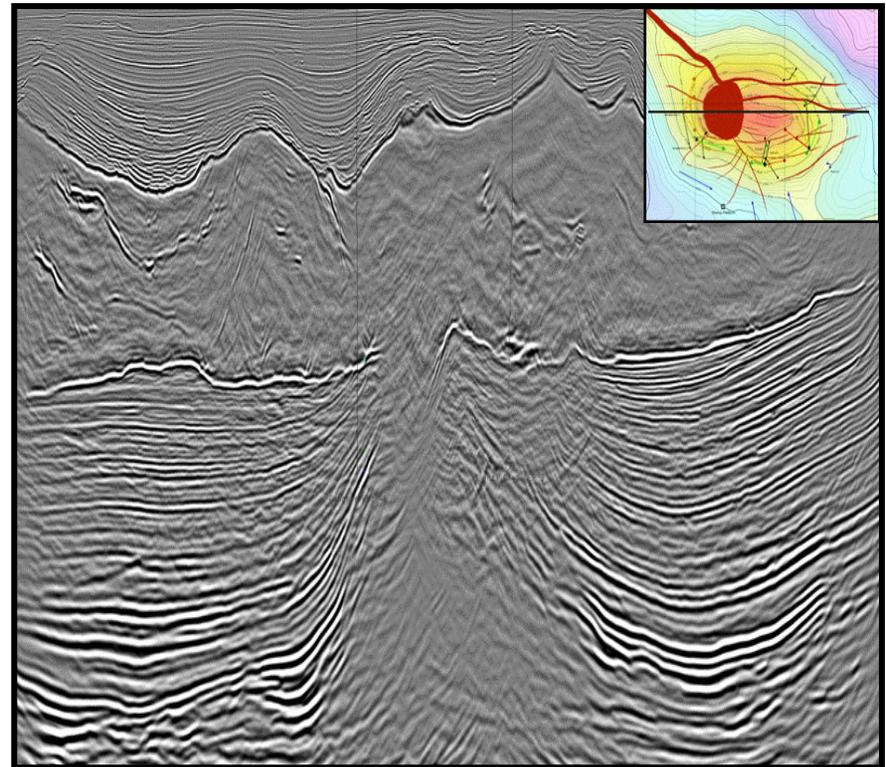
Advanced Seismic Techniques

Intense Focus on Data Acquisition

“Narrow azimuth data”, 1997/98 acquisition,
2005 state-of-the-art processing



“Rich azimuth data”, 2006 acquisition, 2008 state-
of-the-art processing

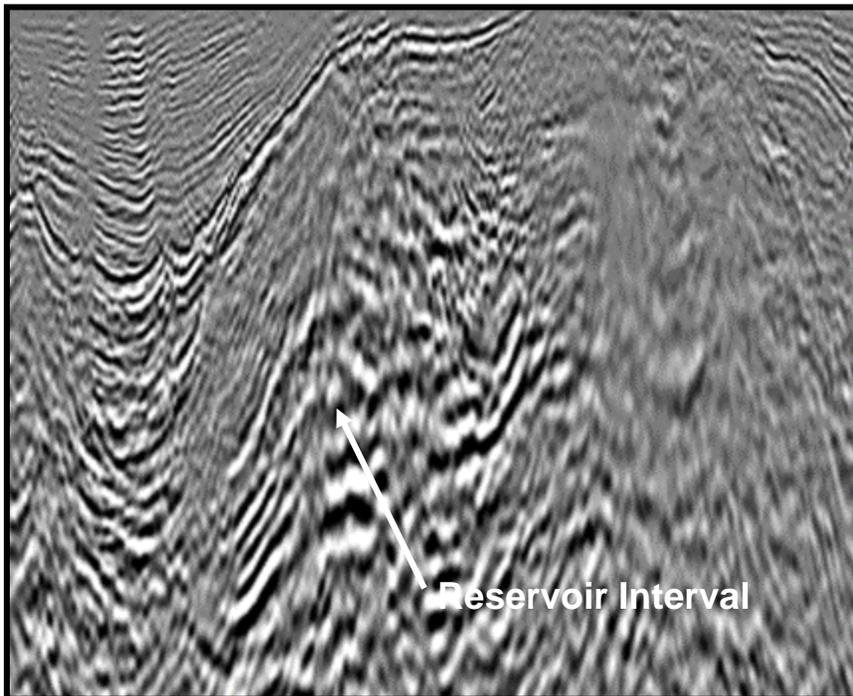


Advanced Seismic Techniques

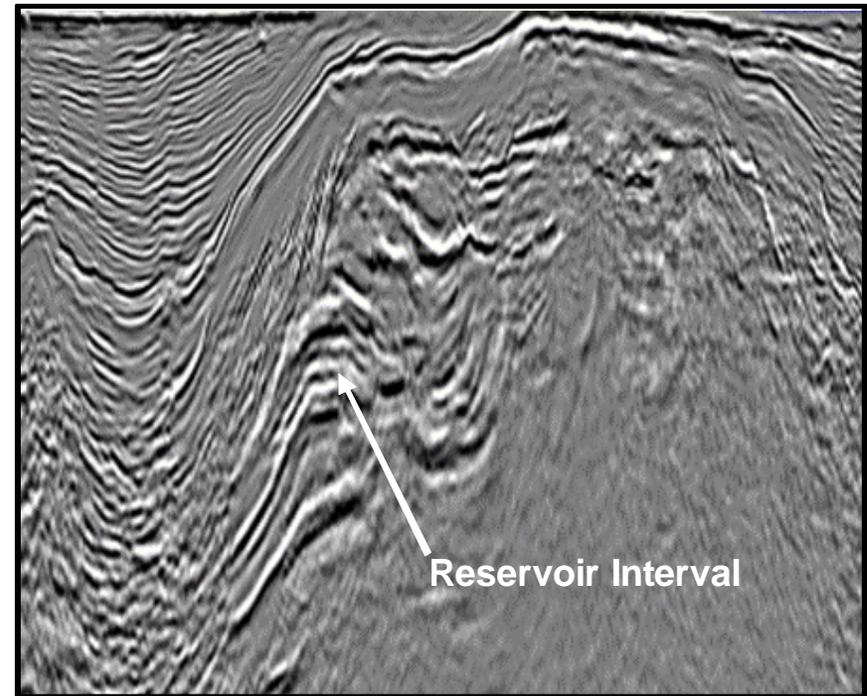
Constantly Challenging our Data Processing

- Strategic development partnerships with specialist processing vendors

Early 2008 Wave Equation Migration Major Contractor



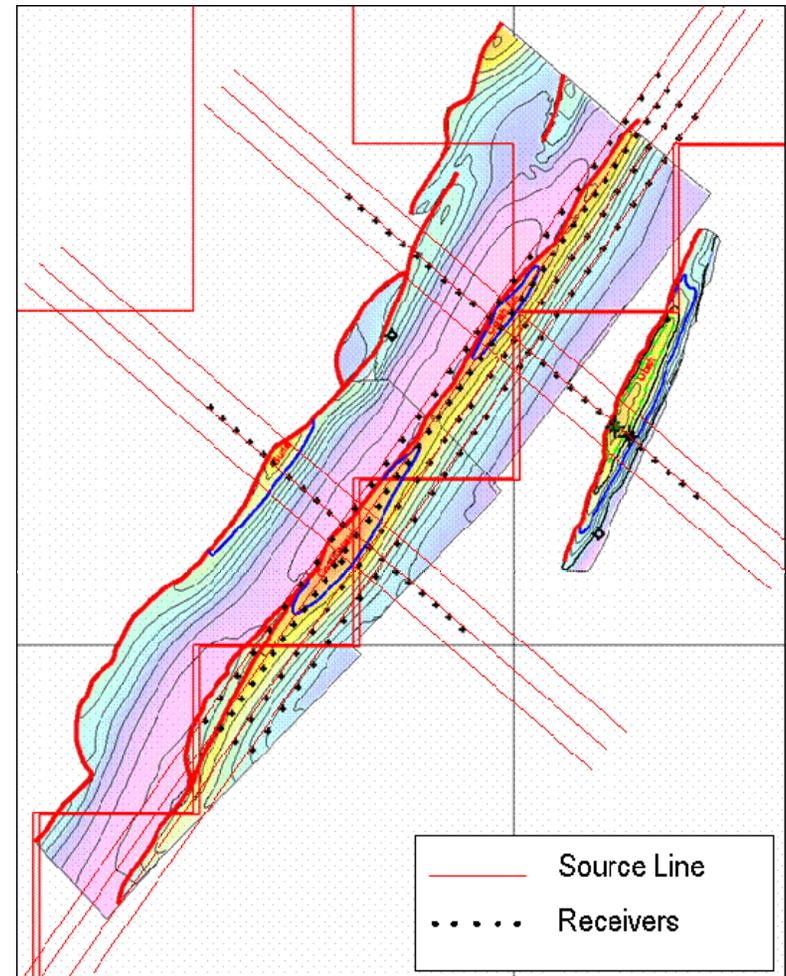
Late 2008 Beam Migration Specialist BHP Billiton Petroleum-funded Contractor



Advanced Resistivity Techniques

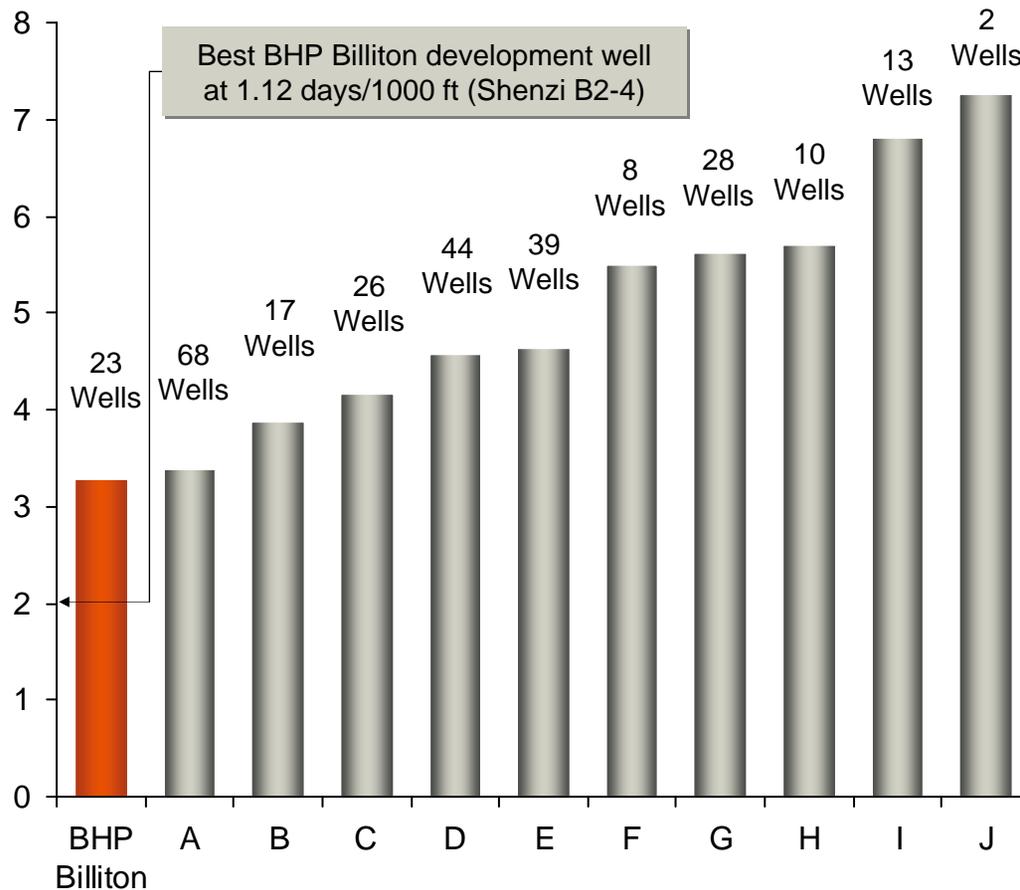
Controlled Source Electro-Magnetic Surveying

- BHP Billiton Petroleum has rapidly developed capabilities in electro-magnetic surveying:
 - 50 years of experience in the mining industry being applied in Petroleum
 - In-house processing capability unique in companies of our size
 - First 3D geometry survey shot in partnership with major vendor in Malaysia



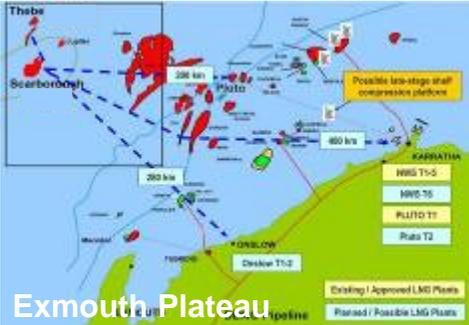
Industry Leading Deepwater Drilling Performance

GoM deepwater exploration and appraisal wells (Days per 1000 ft drilled, Jan-2000 to Jul-2008)



- On average, it takes BHP Billiton less time to reach total depth than our competitors
 - Rigorous well planning, geographic experience, and robust procedures
- Time = Cost
- Consistently reach target depth
- Committed rigs on contract to execute deepwater program
- Manage global drilling operations centrally
- Use “state of the art” completions technology - several of the longest frac pack intervals in GOM

Centralized Development Organization – Exploit the Learning Curve

				Capability
 <p>Stybarrow</p>	 <p>Pyrenees</p>	<p>FPSOs</p> 	<p>Developed</p>	
 <p>Neptune</p>	 <p>Shenzi</p>	<p>Deepwater</p> 	<p>Developed</p>	
 <p>NWS (Train V – South West View)</p>	 <p>Exmouth Plateau</p>	<p>LNG</p> 	<p>Developing</p>	

Neptune (35% Working Interest, BHP Billiton Operated)



Performance Highlights

- Tension leg platform and subsea wells
- 4,250ft water depth
- 50 kbpd and 50mmcf/d capacity (gross)
- Hull remediation completed with no incidents
- Start-up July 2008; reached facility capacity in record time and continues to perform well

Shenzi (44% Working Interest, BHP Billiton Operated)

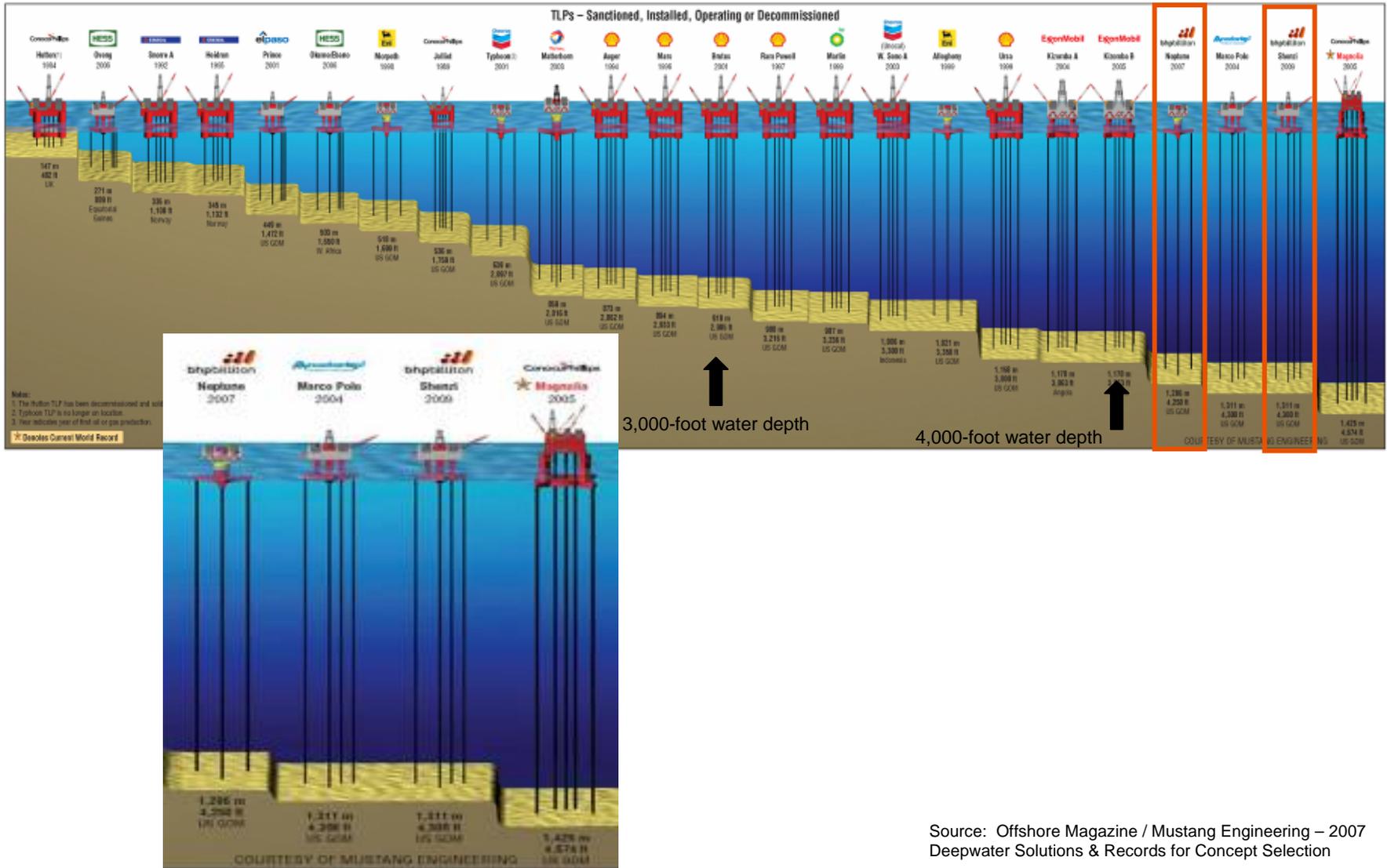


Project overview

- TLP and subsea wells
- 4,300ft water depth – 2nd deepest TLP in the world
- 100 kbpd and 50mmcf/d capacity (gross)
- Fabrication in progress; 6 wells drilled & completed; 7th well being drilled
- Start-up 1H CY09

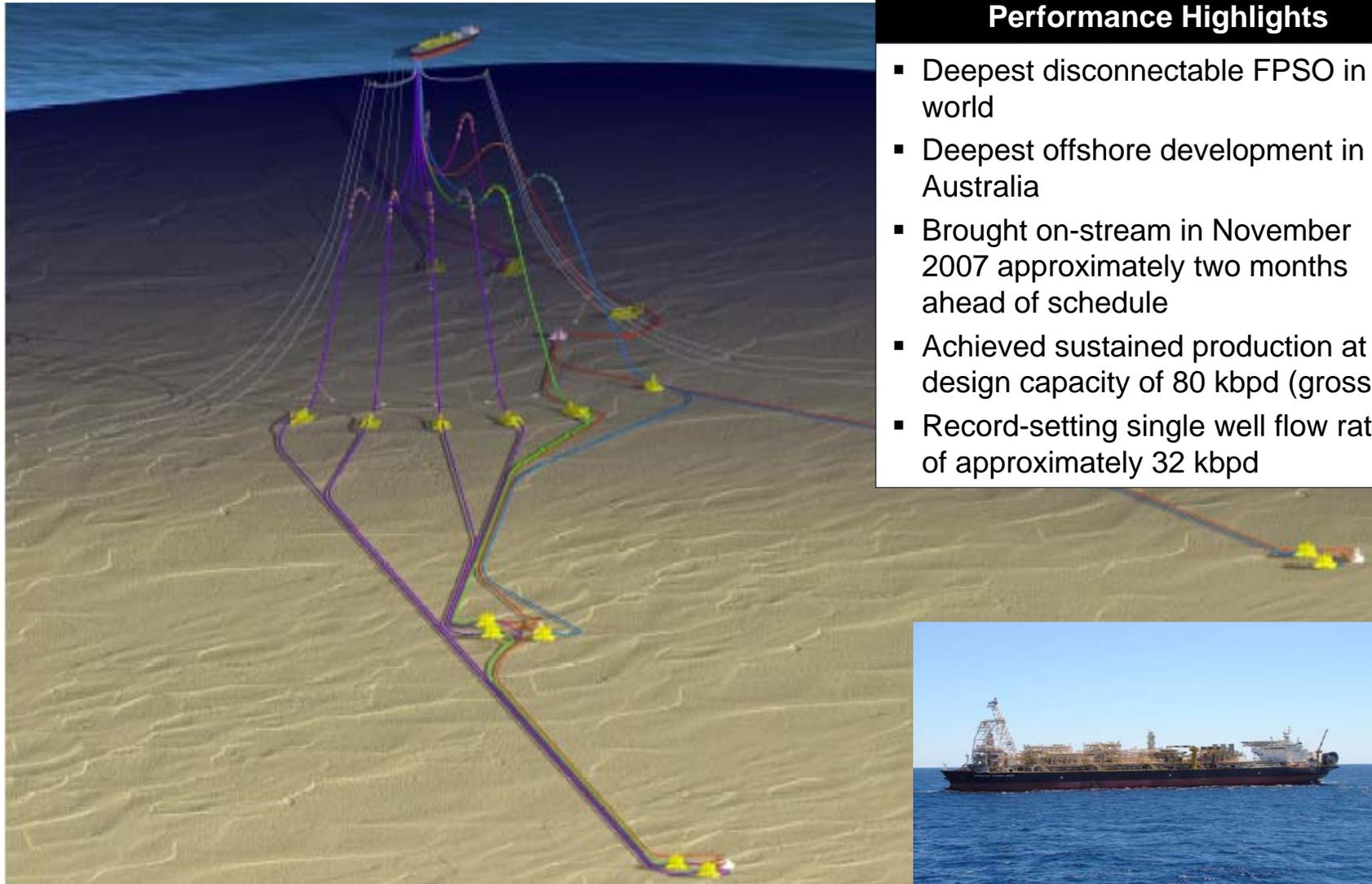


Leading Edge Tension Leg Platform Experience



Source: Offshore Magazine / Mustang Engineering – 2007
Deepwater Solutions & Records for Concept Selection

Stybarrow (50% Working Interest, BHP Billiton Operated)



Performance Highlights

- Deepest disconnectable FPSO in the world
- Deepest offshore development in Australia
- Brought on-stream in November 2007 approximately two months ahead of schedule
- Achieved sustained production at design capacity of 80 kbpd (gross)
- Record-setting single well flow rates of approximately 32 kbpd

Pyrenees (71.43% Working Interest, BHP Billiton Operated)

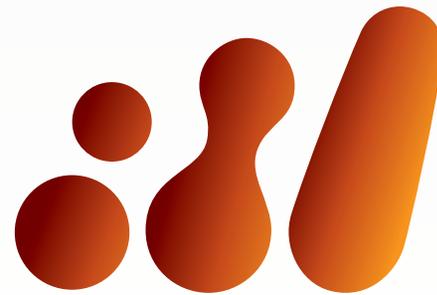
Project overview

- FPSO and subsea wells
- 96 kbpd and 60 mmcf/d capacity (gross)
- FPSO conversion underway
- Drilling commenced January 2008
- Start-up H1 CY10



Delivering Results

Financial Results for 1H09	<ul style="list-style-type: none">▪ Underlying EBIT of US\$2.7bn, 23% of BHP Billiton, 82% year-on-year growth▪ EBIT ROCE of 60.3%▪ EBIT margin of 65.5%, consistently among highest in BHP Billiton
BHP Billiton Petroleum	<ul style="list-style-type: none">▪ Functional business model has been established▪ An experienced management team is in place and executing▪ The core strategy is clear and simple
Performance	<ul style="list-style-type: none">▪ Top quartile industry safety performance▪ Produced 369 kboed in 1H09, 12% increase over 1H08▪ 90% production uptime in 1H09, 93% excluding GOM hurricanes▪ Low cost operations▪ Gas and LNG contract reopeners, coupled with new volumes, capture current prices
Growth-Replenishment	<ul style="list-style-type: none">▪ Capital expenditure of US\$865M in 1H09, 17% of BHP Billiton▪ Deep inventory of development projects▪ Over 100% reserve replacement two years in a row▪ Exploration portfolio has been rejuvenated with new acreage acquired▪ Increased working interest equity and Operatorship



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resourcing the future