

Leading performance everywhere we operate. Operational excellence across our asset portfolio. INTRODUCTION

The Petroleum business within BHP Billiton is the oil and gas arm of one of the world's largest resources companies. We run a carefully managed portfolio of upstream assets around the world, including our heartland fields in the deepwater Gulf of Mexico, onshore United States and Australia. The quality of these assets, along with a long-standing focus on safety and operational excellence, is essential to our strategy.

Aggressive moves to improve productivity – through the application of advanced technology and operational efficiencies – are further reducing costs. Benchmarked against our peers and competitors, these efforts are solidifying our superior position in safety, uptime, and drilling and completions efficiency. Further, we are creating the foundation for future success: in onshore

assets under development – such as the Permian Basin – and in the deepwater, currently the focus of a targeted exploration campaign.

troduction	2
afety	6
onventional	10
nale	16
evelopment	22
cploration	26
eadership	30

A FOCUSED GLOBAL PORTFOLIO

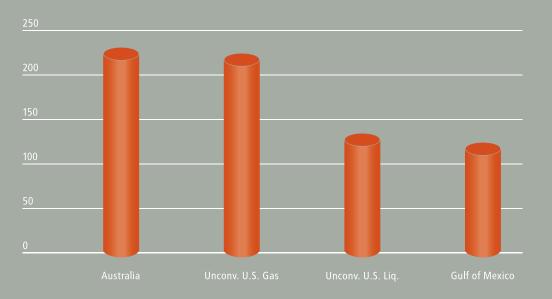
The acreage we hold contains the energy equivalent of more than 10 billion barrels of oil.*



PRODUCTION VS. **OUR PEERS**

In 2014, BHP Billiton produced the energy equivalent of 700,000 barrels of oil per day.





A TOP-TEN PRODUCER

We continue to grow shareholder value by focusing on large, long-life, low-cost and expandable upstream assets. We are a top-ten producer in our heartland regions, with plans to grow in each of these core areas.

RANK AND TOP-TEN

	Australia	Unconv. U.S. Gas*	Unconv. U.S. Liq.*	Gulf of Mexico
#1	Woodside	Chesapeake	EOG	ВР
#2	BHP Billiton	ExxonMobil	Anadarko	Shell
#3	Shell	Southwestern	Devon	Chevron
#4	ExxonMobil	Anadarko	ConocoPhillips	BHP Billiton
#5	Chevron	Devon	Chesapeake	Anadarko
#6	ВР	BHP Billiton	Marathon	Hess
#7	Santos	Encana	ExxonMobil	Eni
#8	Apache	ConocoPhillips	BHP Billiton	Freeport-MMR
#9	Origin	EOG	Apache	ExxonMobil
#10	BG	ВР	Continental	Petrobras



SAFETY



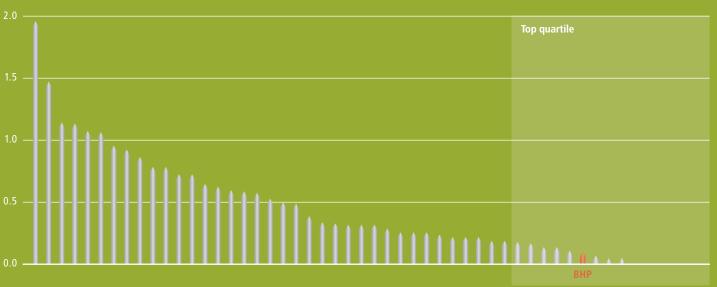
TOP-QUARTILE SAFETY PERFORMANCE WORLDWIDE, CONVENTIONAL AND SHALE

Industry studies from 2014 show BHP Billiton near the top of the industry in terms of safety performance.

1. LTIF: Lost-Time Injury Frequency

2. IOGP: International Association of Oil and Gas Producers

LTIF¹ OF ALL PARTICIPATING IOGP² MEMBERS (Incident per million hours worked)



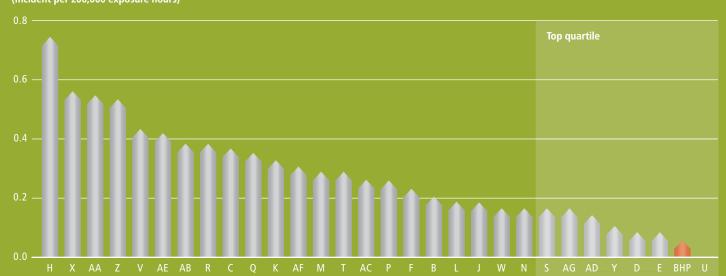
INDUSTRY-LEADING SAFETY PERFORMANCE IN SHALE

According to a 2014 benchmarking study, BHP Billiton is a top safety performer in U.S. Shale.

1. LTIF: Lost-Time Injury Frequency

2. American Exploration & Production Counc SOURCE: AXPC total LTIF results by company (2014)

ONSHORE COMPARATIVE LTIF¹ OF ALL PARTICIPATING AXPC² MEMBERS (Incident per 200,000 exposure hours)



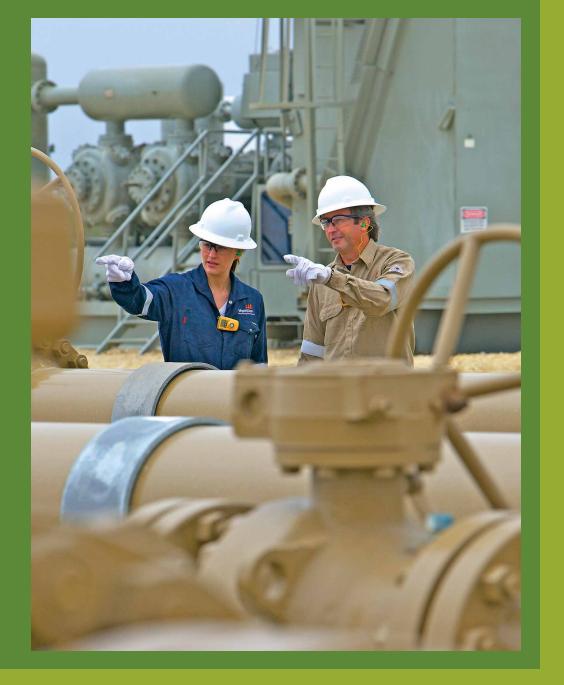
A RIGOROUS APPROACH TO PROCESS SAFETY

Personal safety has been a focus in the oil and gas industry for decades. Industry best practices, along with a standardized set of metrics including Total Recordable Injury Frequency (TRIF) and LTIF, have helped to make personal safety an intuitive part of the business. Process safety — an engineering-driven focus on keeping people safe through the effective management and containment of fluids and gases — is a necessary complement to the personal safety focus.

The BHP Billiton Process Safety Management Model includes 'lagging' and 'leading' indicators. Lagging indicators look at past incidents, with reporting and analysis that help define causes and create solutions to prevent recurrence. Leading indicators, in contrast, are indicators of possible problems that could occur. These help build the case for proactive maintenance and process refinement before incidents occur, rather than afterward.

A compressor incident in a facility in the Black Hawk shale was an attention-getting moment, helping to drive greater recognition of the importance of process safety. A mechanical failure caused a relatively minor incident — but the process safety team successfully used it as an opportunity to further embed existing methodologies in the day-to-day operational culture.

Process safety is a key operational function at BHP Billiton. In the field, a fully engaged workforce applies the principles of process safety across all disciplines, with ongoing active support from an independent team that sets standards and verifies performance consistently across the Petroleum business. Finally, monthly reporting to leadership, via a dashboard of leading and lagging indicators, helps to ensure that process safety is a continuing priority, keeping our operations safe, dynamic and productive.



8 | Operational Canability and Technical Expertise 2015

CONVENTIONAL

STILL THE CORE OF OUR PETROLEUM BUSINESS

On an average day, BHP Billiton produces more than 350,000 boe of hydrocarbons from conventional assets in Australia, the United States, Trinidad and Tobago, and around the world. In our operated assets, we have an industry-wide reputation for exceptionally high performance in terms of safety, facility uptime and unit

cost, particularly in deepwater fields. Our conventional drilling performance is similarly outstanding, even in exceptionally demanding conditions such as Gulf of Mexico subsalt formations.

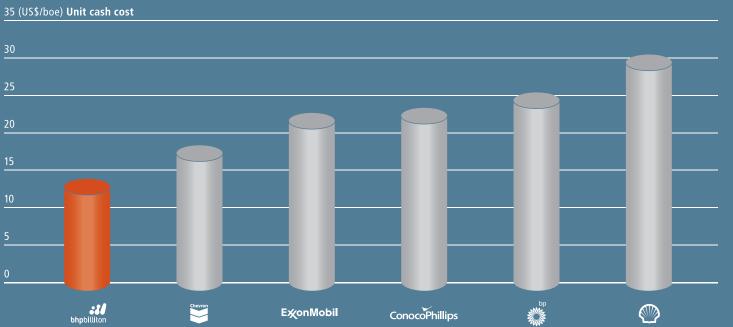
CONVENTIONAL | PRODUCTION

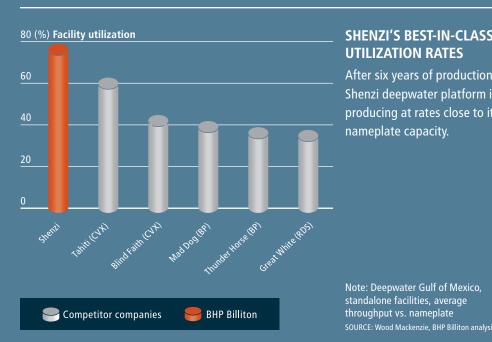


OVERALL BEST-IN-CLASS PRODUCTIVITY

Compared to our peers in conventional petroleum, BHP Billiton consistently delivers the lowest unit cost.







SHENZI'S BEST-IN-CLASS **UTILIZATION RATES**

After six years of production, our Shenzi deepwater platform is still producing at rates close to its nameplate capacity.



100 (%) Facility uptime

SUPERIOR FACILITY UPTIME

BHP Billiton delivers exceptional uptime performance across our conventional asset portfolio – generally exceeding that of our

Note: Fiscal Years 2012 to 2014 SOURCE: BHP Billiton analysis



SHENZI PLATFORM OUTPERFORMS ITS PEERS IN THE U.S. GULF OF MEXICO

In 2015, the BHP Billiton-operated Shenzi field – a world-class deepwater oil and gas development in the U.S. Gulf of Mexico – entered its sixth year of production. After first oil on March 23, 2009, Shenzi took just three months to reach 130,000 barrels of oil per day. A month later, production peaked at 149,500 barrels per day. By the summer of 2015, Shenzi was still delivering up to 95,000 barrels of oil per day, just under its nameplate capacity of 100,000 barrels. Since startup, the facility has been running more than 95 per cent of the time. No other deepwater platform in the U.S. Gulf of Mexico has done as well. One reason for Shenzi's

success has been the constant effort to maintain peak flow rates from the platform's 17 producing wells. In 2014, Shenzi's production engineers identified and implemented a software tool known as Integrated Field Management[®]. It allowed them to model the effect of swapping wells – each with different flow rates and pressures - into different parts of the gathering system. By adjusting gas-lift rates for multiple scenarios at a time, engineers can now make hour-by-hour decisions that optimise production.

12 | Operational Capability and Technical Expertise 2015 Operational Capability and Technical Expertise 2015 | 13

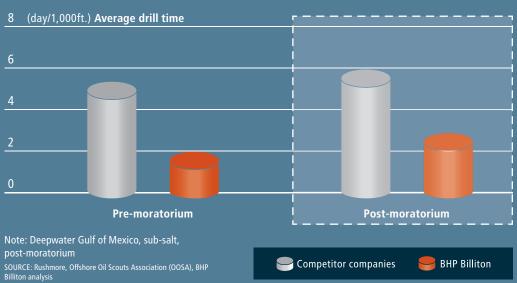
CONVENTIONAL | DRILLING





INDUSTRY LEADERS IN DRILLING

BHP Billiton consistently posts excellent drilling rates compared to its peers in the Gulf of Mexico's challenging subsalt plays.



CHALLENGING CONDITIONS, SUPERIOR PERFORMANCE

The first exploration well in the Shenzi field was spudded by the drillship *C.R. Luigs* in the fall of 2002. The well reached a depth of 8,109 metres (24,607 feet), encountering 142 metres (465 feet) of hydrocarbons and 43 metres (140 feet) of net pay. Subsequent appraisal wells found even greater amounts of hydrocarbons and helped to establish the boundaries of the Shenzi field.

In the development drilling campaign that followed these discoveries, BHP Billiton wells began setting efficiency records – drilling safely as much as 50 per cent

faster than competitors drilling in similar Gulf of Mexico formations. These facts are particularly impressive given the nature of the subsurface formations at Shenzi: the reservoirs are located below thousands of metres of salt. BHP Billiton Drilling & Completions engineers worked tirelessly to develop solutions to the challenges of salt creep (when salt squeezes into a wellbore, collapsing production casing) as well as significant pressure buildup

Completions team at BHP Billiton have been put to - with heat in the wellbore creating risks of damage to the well casing. In addition to the speed with which these highly challenging wells were drilled, they have

proven exceptionally robust, with zero well failures after handover to production.

Over the life of the Shenzi asset, drilling has continued, including new producer and injector wells – with wells since late 2014 drilled by the *Deepwater Invictus* (pictured above). The abilities of the Drilling & the test through the life of the asset – and every day's production from the field continues to prove their merit.

INDUSTRY'S BEST OVERALL DRILL TIMES OFFSHORE

Benchmark comparisons place BHP Billiton first in offshore drilling rates – a key indicator of efficiency.



Note: Deepwater Gulf of Mexico, sub-salt, post-moratorium Sources: Rushmore, Offshore Oil Scouts Association (OOSA), BHP Billiton analysis



14 Operational Capability and Technical Expertise 2015 Operational Capability and Technical Expertise 2015 | 15

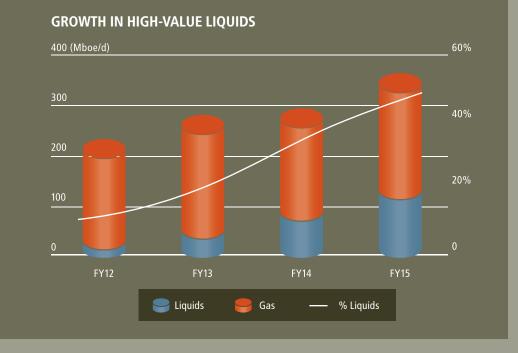
SHALE AGILITY, RESILIENCE AND CONTINUOUS IMPROVEMENT we've worked in the past, but rather on the hard metrics that define genuine When the right geology, technology and methodology are brought to bear, shale development and production can operate on an efficient, repeatable model that improvement in process and performance. Decisions of exactly where and how delivers significant production volumes with relatively low up-front costs. to drill and produce are the result of focused, ongoing collaboration among Geoscience, Engineering, and Drilling & Completions teams. Across key onshore assets, our performance metrics reflect the success of these approaches. This success requires a total commitment to continuous improvement. In our operations, we examine every link in the supply chain, and we engage with our suppliers to make every dollar count. Every process and workflow is analysed, refined and optimised – and our operational decisions are based not on the ways Operational Capability and Technical Expertise 2015 | 17

SHALE PRODUCTION



UNCONVENTIONAL SUCCESS

BHP Billiton is one of the largest producers in the liquids-rich Eagle Ford shale, and a major force evaluating the Permian Basin. Across these operations, efficiency and technical excellence are essential to our success. Rig moves that once took seven days are being done in under three. Pre-fabricated wellsite construction techniques and other improvements are lowering costs of multi-well pads by 40 per cent, allowing us to complete these installations in one-third of the time they took just three years ago. Our average drilling times are some of the fastest in the industry. Across all operations, we have trimmed the average cost of new wells by more than US\$2 million each.*



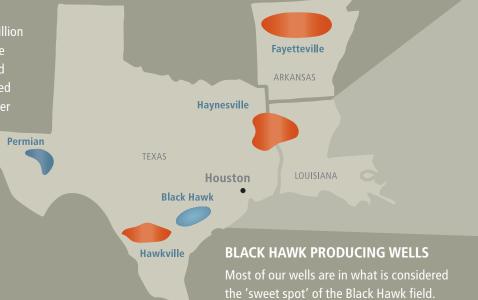
* Based on Q1 FY2013 to Q4 FY2015.

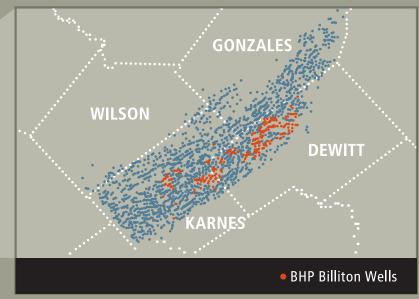
FOUR MAJOR ONSHORE U.S. FIELDS

Liquids-focused area

Gas-focused area

BHP Billiton holds more than 1 million net acres in four prolific U.S. shale plays. Our focus on the Eagle Ford grow our liquid volumes by 280 per



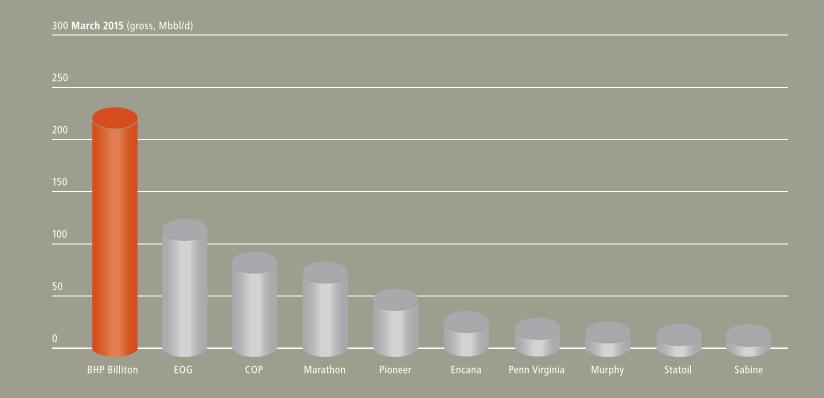


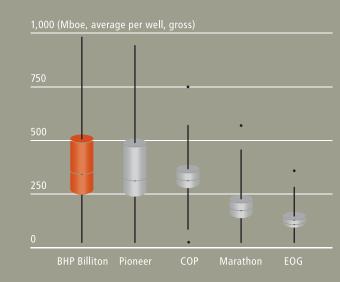
TOP PERFORMER IN BLACK HAWK

BHP Billiton daily oil production leads the competition in the field.



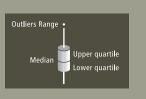
BHP Billiton data based on average daily production of all BHP Billiton wells. BHP Billiton includes Devon-operated wells.
All operators in Black Hawk, as shown in map at left.

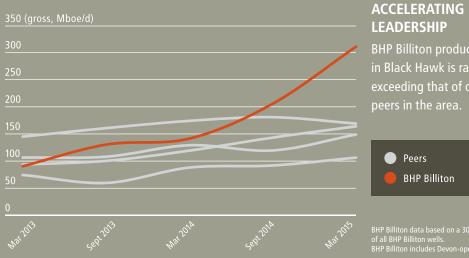




THREE-YEAR CUMULATIVE PRODUCTION, BLACK HAWK

Three years after completion, BHP Billiton's wells average consistently more production than its closest peers.





BHP Billiton production

exceeding that of our peers in the area.



SHALE | OPERATIONS



BLACK HAWK COMPLETIONS

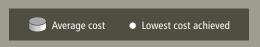
Our completions in Black Hawk are designed to optimise value over time, with higher recoveries and longer production life. After six months of production, we lead our peers; over three years, our cumulative per-well production is 68 per cent higher than the peer average.

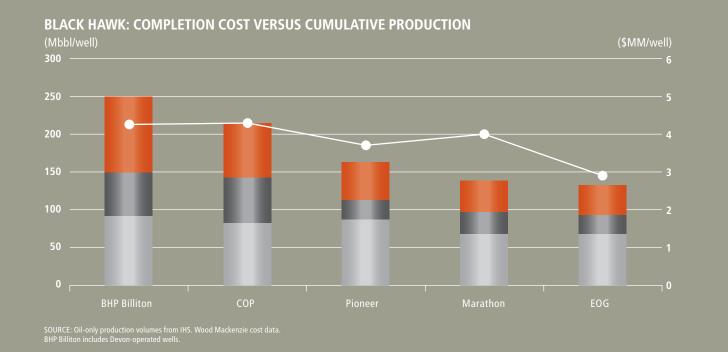


SOURCE: Production volumes from IHS. Wood Mackenzie cost data. Excludes natural gas and NGLs BHP Billiton includes Devon-operated wells.

BHP BILLITON DRILLING COST PERFORMANCE, BLACK HAWK

An intense focus on drilling operations has nearly halved our average per-well drilling cost in Black Hawk.









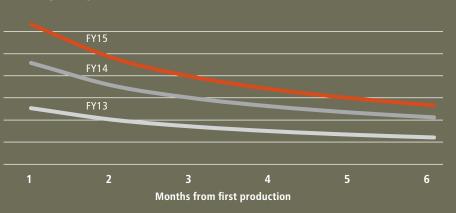
APPLYING WHAT WE KNOW TO THE PERMIAN

The techniques we've developed in the Eagle Ford are now being applied in the Permian. We're a leading force in appraising the Delaware Basin of Texas, with more than 75 producing wells in the Wolfcamp formation. We've dialed into the sweet spot and as of mid-2015, production was up to 30,000 boe/d. Essentially, the BHP Billiton story in the Permian is shifting from the evaluation phase to the production phase, applying our operational and technical capability to a play whose geology we understand better than our competitors.

The Permian Basin, comprising the Midland and Delaware Basins, is one of the largest oil and gas producing regions in the world – and we are rapidly becoming a major producer in the Delaware Basin.

1. BHP Billiton data and analysis, Wolfcamp wells. Normalized for 10 per cent downtime





As we have worked into the Wolfcamp formation, improvements in well placement, extended lateral lengths and optimised completions are leading to increased recovery and strong, predictable well performance across the field.

SOURCE: BHP Billiton analysis.

Operational Capability and Technical Expertise 2015



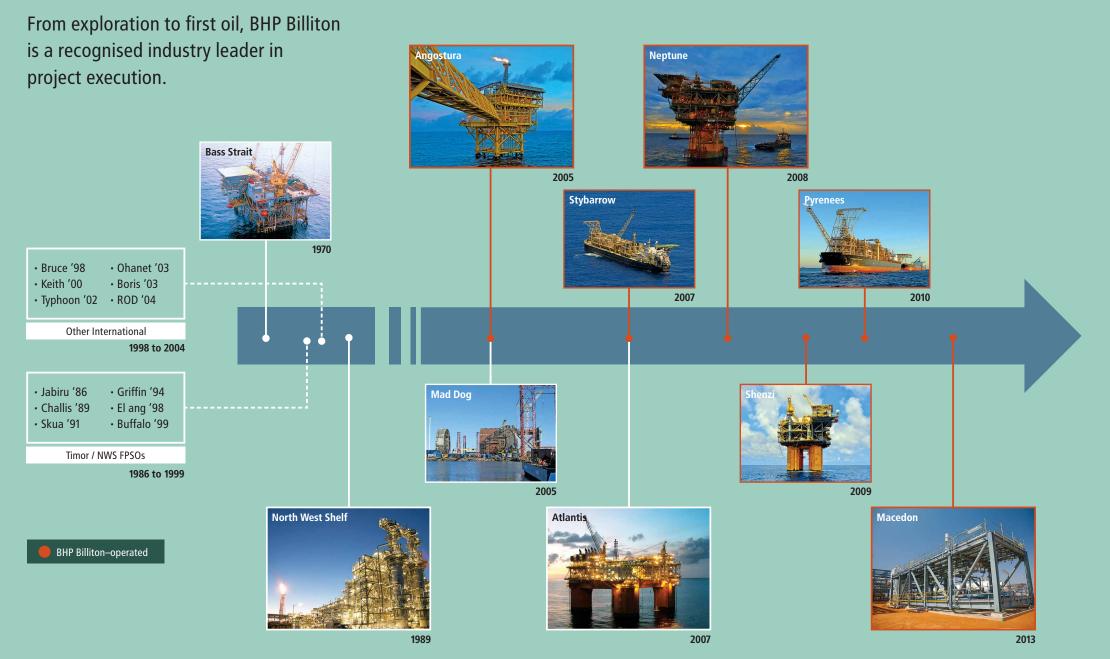
ON TIME, ON BUDGET, AND FIT FOR PURPOSE

Consistent, reliable project execution is a point of pride. From Western Australia to the Gulf of Mexico and beyond, we have a long history of developing major projects quickly and safely, on time and on budget. We have the human and technical capacity to deliver simple, effective solutions to complex challenges.

We focus on long-term value over short-term volume, which means our projects continue to deliver valuable returns, year after year. Pyrenees, Shenzi and Macedon are just the latest examples.

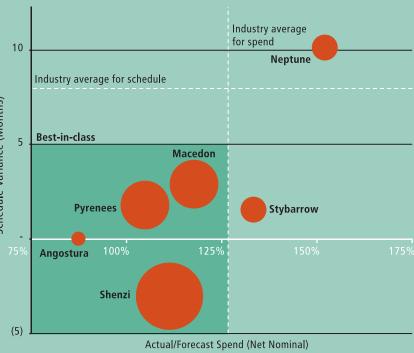


PROVEN PROJECT DEVELOPMENT CAPABILITY



DELIVERING EXCEPTIONAL VALUE FROM OFFSHORE PLAYS

Four of our last six offshore projects ranked best-in-class in alignment to forecast spend and development schedule.



BHP Billiton Best-in-class – – Industry average

Note: Competitors n=58, Financial Years 2007 to 2013, Variances to last board-approved plan.

SOURCE: BHP Billiton analysis, competitor data by Independent Project Analysis (IPA)

A RAPID RESPONSE TO A CRITICAL NEED

Every major project begins with an alignment of need, priority and resources. In 2008, a major disruption to raise the plant site to 7.5 metres in Western Australia's natural gas the crucial commodity. BHP Billiton acted quickly to move the Macedon offshore prospect into fast-track

The development plan called for four subsea wells, connected via a 90-kilometre (65-mile) pipeline and The pipeline and well control to an onshore gas plant. That plant would in turn deliver dry gas via a 67-kilometre (42-mile) pipeline to the Dampier-to-Bunbury trunk line. in 2010.

The plant site was on flat land,

modeling, the decision was made (25 feet) above mean sea level. The remoteness of the site posed needed additional reliable sources of additional challenges. Some 40 plant modules began arriving at the port of Macedon went online in September Dampier in 2012, and they had to be moved more than 300 kilometres (186 nearly 100 per cent, and it delivers miles) to the Macedon gas plant site, more than 150 million scf of natural over roads and bridges with strict load restrictions.

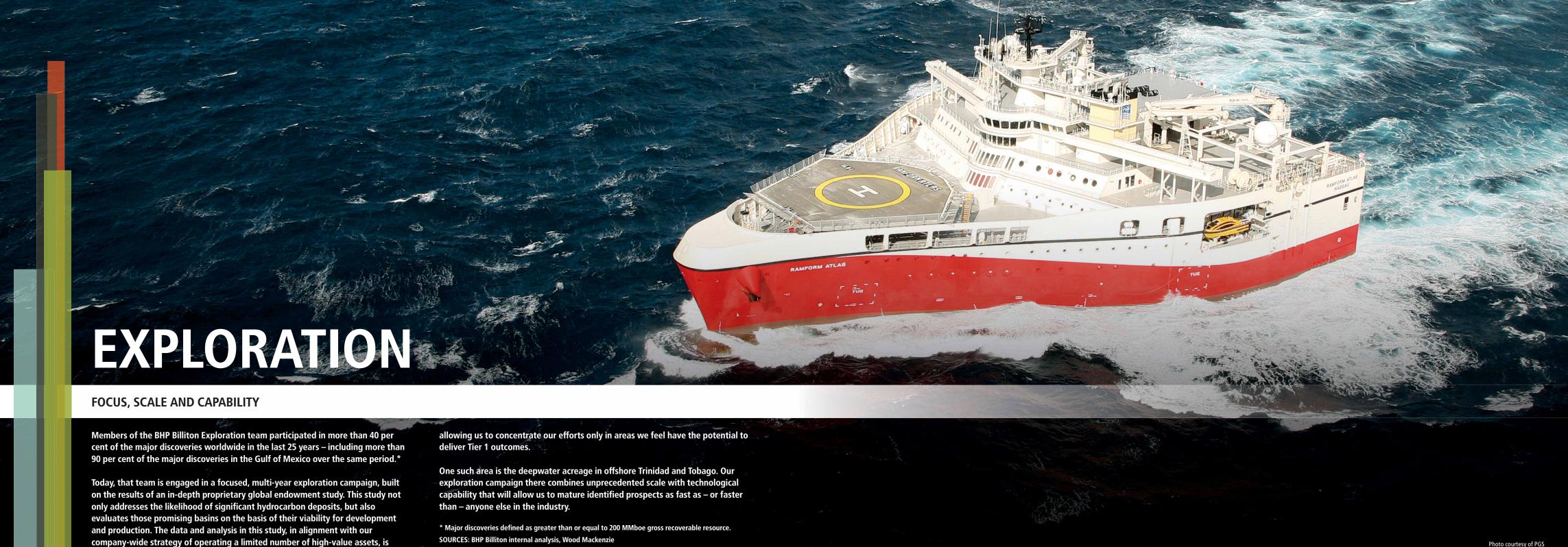
> wells to the gas plant were no less complex. Their routes included not only varying depths - with shallow- but also environmentally sensitive areas including beds of cowry snails as well as a nesting site for sea turtles on the shore at Urala Beach. The pipeline was re-routed around

the cowry beds and brought ashore in an area with few turtle nesting areas. Further, 24-hour monitoring helped to ensure the safety of turtles in the area during the construction project.

2013. The plant has an uptime of gas per day. Managers at the plant have full remote well control and monitoring capabilities via the subsea full capacity using only two of the four wells if necessary. Macedon is expected to make a significant contribution to Western Australia's domestic natural gas supply at least



Operational Capability and Technical Expertise 2015 | 25 24 | Operational Capability and Technical Expertise 2015



EXPLORATION TRINIDAD AND TOBAGO



SCALE

The Trinidad and Tobago 3D seismic acquisition program totalled more than 21,000 square kilometres (8,100 square miles) – the largest seismic shoot ever performed by an independent oil company – and generated more than 400 terabytes of raw data. This total will grow to in excess of 4,000 terabytes (4 petabytes) once processing and derivation is fully complete.¹

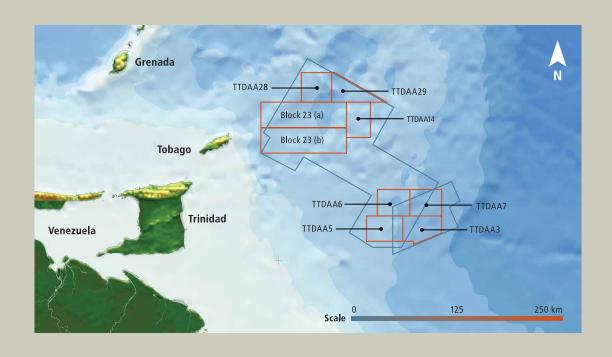
3D seismic
BHP Billiton leases

1. 3D seismic survey conducted on blocks/permits 5, 6, 14, 23(a), 23(b), 28 and 29 in 2014 and 2015; 3D seismic survey conducted on blocks/permits 3 and 7 in 2015

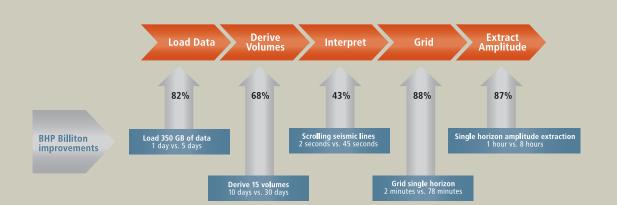
INTERPRETATION EFFICIENCY

Once raw seismic data is processed, interpretation begins. Geoscientists must access and analyse immense volumes of data; their ability to do so depends upon computing power and network performance. Over a 36-month period, BHP Billiton geoscientists worked closely with our Information Systems team and select outside vendors to completely reimagine and redesign our subsurface computing environment. The ultimate objective? One hundred per cent of data available to 100 per cent of the geoscience staff, 100 per cent of the time.

In each step of the workflow, the project team created dramatic improvements in performance: less time waiting, more time interpreting. This infrastructure is now supporting the analysis of Trinidad and Tobago seismic at an extraordinary rate — and bringing dramatic improvements in the quality of the interpretation.

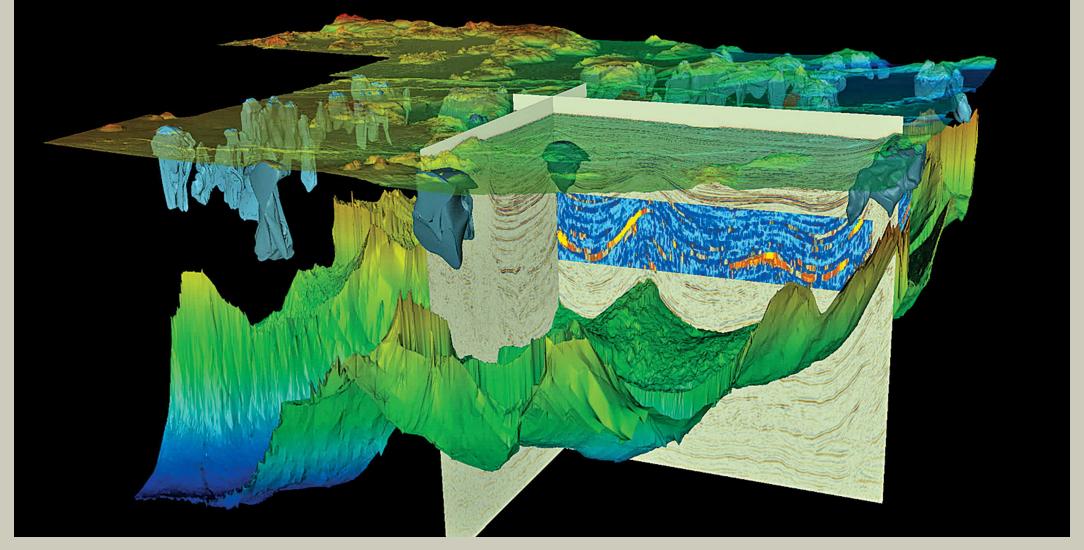


ACCELERATING GEOSCIENCE INTERPRETATION WORKFLOW



ACCELERATED TIMELINE

Our exploration efforts in Trinidad and Tobago are on-track to deliver our first exploration well in 2016 – an exceptionally short access-to-drilling timeline.



Advanced geophysical interpretation: 3D rendering of subsurface structures, Trinidad and Tobago.

28 | Operational Capability and Technical Expertise 2015 | 29





Tim Cutt President, Petroleum

Appointed President, Petroleum in July 2013. Joined BHP Billiton in 2007 as President of the Production Division in the Petroleum business, with accountability for Petroleum's operations in the United Kingdom, Pakistan, Trinidad and Tobago, Algeria, Australia, and the United States. In 2011, Tim was appointed to the position of President, Diamonds and Specialty Products, where he was responsible for the operation of the Ekati Diamond Mine and led the early stages of the Jansen Potash development in Saskatchewan, Canada.

Tim has 32 years of experience in the resources industry. Before joining BHP Billiton, he spent 25 years in engineering, operations and senior management with Mobil Oil Corporation and then ExxonMobil. During this time, he spent 10 years supporting exploration and production activities in the Gulf of Mexico, from Mobile Bay in the eastern gulf to High Island in the western gulf. Tim has extensive heavy oil experience from his time in the San Joaquin Valley in California and the Cerro Negro project in Venezuela. Tim held the positions of President Hibernia Management and Development Company in Canada and President of ExxonMobil de Venezuela.

BS, Petroleum Engineering, Louisiana Tech University



Alex Archila Asset President, Shale

Joined BHP Billiton 2009. Accomplishments include the economic appraisal of the Upper Wolfcamp horizon in the Permian Basin, North Reeves County. He also led the technical and commercial assessment of the Petrohawk and Chesapeake (Fayetteville) shale acquisitions. Prior to his current role, he served as the President of the BHP Billiton Potash business, General Manager of petroleum operations in the Permian Basin, and Vice President of Strategy and Planning.

Alex has more than 32 years of industry experience, including 22 years with Chevron/Texaco. During his tenure, he served as a member of the Chevron Corporation's Management Committee, CEO of Madagascar Oil Ltd. and President of Chevron Canada. He led negotiations around the Guajira gas fields that resulted in the first-ever extension of a producing contract in Colombia; led Texaco's acquisition of equity in the Malampaya field from Shell; and created and structured Madagascar Oil's JV partnership with Total for the development of the Bemolanga field.

BS (Honours), Petroleum Engineering, University of Southwestern Louisiana MBA, Universidad de La Sabana



David Rainey President, Exploration

Joined BHP Billiton 2011. Leading a worldwide exploration campaign, with a current focus on rebuilding the exploration portfolio to concentrate on areas with Tier 1 potential. He led capture of dominant deepwater acreage positions in Trinidad and Tobago and Barbados. In Trinidad and Tobago, he led the completion of the largest 3D seismic program ever acquired by an independent oil company.

David has 35 years of experience in the oil and gas industry. He led the BP Gulf of Mexico Strategy Team, setting a strategy to grow production from below 50 mboe/d to 500 mboe/d by 2010. This milestone was achieved in 2009. David also ran BP's Gulf of Mexico exploration program, delivering roughly 5 billion boe gross discovered resources (2.5 billion boe net to BP) from 2000 to 2010. He also restarted the BP Alaska exploration program in late 1980s, participating in the Pt. McIntyre discovery: cumulative production over 500 million boe to date.

BSc, Geology, University of Edinburgh Ph.D., Geology, University of Edinburgh



Steve Pastor Asset President, Conventional

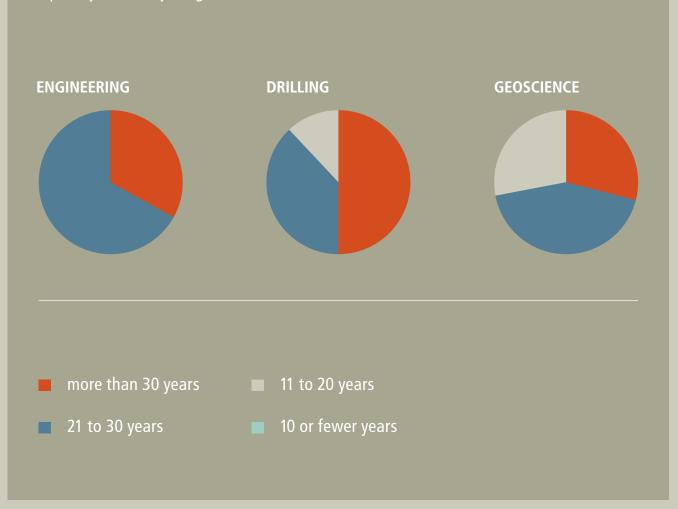
Joined BHP Billiton in 2001. Accomplishments include management and operational roles in the Atlantis and Shenzi Gulf of Mexico deepwater projects; Project Director for the Stybarrow and Pyrenees developments in offshore Western Australia, and roles as the General Manager of the Gulf of Mexico Production Unit and as the General Manager of the Eagle Ford Production Unit. Prior to his current role, Steve served as President, Development.

Steve began his career with Chevron in 1989, working in facilities engineering, production operations and maintenance, drilling & completions, and deepwater projects. He worked on Chevron's first and second deepwater projects (Genesis and Typhoon, respectively).

BA, Mechanical Engineering, University of New Orleans MBA, Tulane University

TECHNICAL LEADERSHIP: EXPERIENCE

Senior leaders in core technical and operational functions within the BHP Billiton Petroleum business average more than 27 years of experience. For a few, most of that tenure came at BHP Billiton; most, however, logged between one and three *decades* of experience at supermajors before joining BHP Billiton.



30 | Operational Capability and Technical Expertise 2015 | 31



BHP Billiton

1360 Post Oak Boulevard, Suite 150 Houston, Texas 77056 United States of America

Phone: 1.713.961.8500 Fax: 1.713.961.8400 www.bhpbilliton.com

PETROLEUM RESOURCES

The estimates of petroleum reserves and contingent resources contained in this presentation are based on, and fairly represent, information and supporting documentation prepared under the supervision of Mr. A.G. Gadgil, who is employed by BHP Billiton. Mr. Gadgil is a member of the Society of Petroleum Engineers and has the required qualifications and experience to act as a qualified petroleum reserves and resources evaluator under the ASX Listing Rules. This presentation is issued with the prior written consent of Mr. Gadgil, who agrees with the form and context in which the petroleum reserves and contingent resources are presented. Aggregates of reserves and contingent resources estimates contained in this presentation have been calculated by arithmetic summation of field/project estimates by category. The aggregate 1P reserves may be conservative due to the portfolio effects of arithmetic summation. Reserves and contingent resources estimates contained in this presentation have been estimated using deterministic methodology with the exception of the North West Shelf gas asset in Australia, where probabilistic methodology has been utilized to estimate and aggregate reserves and contingent resources for the reservoirs dedicated the gas project only. The probabilistic based portion of these reserves totals 38 MMboe (total boe conversion is based on the following: 6,000 scf of natural gas equals 1 boe) and represents approximately two per cent of our total reported proved reserves. The reserves and contingent resources contained in this presentation have not been adjusted for risk. Unless noted otherwise, reserves and contingent resources are as at 30 June 2015.

BHP Billiton estimates proved reserve volumes according to SEC disclosure regulations and files these in our annual 20F report with the SEC. All unproved volumes are estimated using SPE-PRMS guidelines, which allow escalations to prices and costs, and as such would be on a different basis than that prescribed by the SEC, and are therefore excluded from our SEC filings. Non-proved estimates are inherently more uncertain than proved.