# ASIA (INCLUDING MIDDLE EAST AND RUSSIA)

KEY FIGURES		
	2013	% of total
Total production (thousand boe/d) [A]	1,197	37%
Liquids production (thousand b/d) [A]	674	48%
Natural gas production (million scf/d) [A]	3,033	32%
Gross developed and undeveloped acreage (thousand acres)	82,722	29%
Proved oil and gas reserves excluding non-controlling interest (million boe) [B]	4,509	32%

- [A] Available for sale.
- [B] Includes proved reserves associated with future production that will be consumed in operations.

## **BRUNEI**

Shell and the Brunei government are 50:50 shareholders in Brunei Shell Petroleum Company Sendirian Berhad (BSP). BSP holds long-term oil and gas concession rights onshore and offshore Brunei, and sells most of its natural gas production to Brunei LNG Sendirian Berhad (BLNG, Shell interest 25%). BLNG was the first LNG plant in Asia-Pacific, and sells most of its LNG on long-term contracts to customers in Asia.

We are the operator for the Block A concession (Shell interest 53.9%), which is under exploration and development and also operator for exploration Block Q (Shell interest 50%). We have a 35% non-operating interest in the Block B concession, where gas and condensate are produced from the Maharaja Lela Field. In addition, we have non-operating interests in deep-water exploration Block CA-2 (Shell interest 12.5%) and in exploration Block N (Shell interest 50%), both under PSCs.

## CHINA

We operate the onshore Changbei tight-gas field under a PSC with China National Petroleum Corporation (CNPC). The PSC includes the development of tight gas in varied geological layers of the block. In Sichuan, Shell and CNPC have agreed to appraise, develop and produce tight gas in the Jinqiu block under a PSC (Shell interest 49%) and have a PSC for shale-gas exploration, development and production in the Fushun Yongchuan block (Shell interest 49%). Shell is also a party to the Zitong PSC for tight-gas exploration, development and production (Shell interest 49%).

We have also agreed with Chinese National Offshore Oil Corporation (CNOOC) to appraise and potentially develop three offshore oil and gas blocks in the Yinggehai Basin, each under a PSC (Shell interest 49%).

## **INDONESIA**

We have a participating interest in the offshore Masela block where INPEX Masela is the operator. During 2013, we increased our interest from 30% to 35%. The Masela block contains the Abadi gas field. The operator has selected a floating LNG (FLNG) concept for the field's first development phase.

## **HIGHLIGHTS**

- Shell is the industry leader in integrated gas in Asia, with a major LNG portfolio across the region and the world's largest GTL plant in Qatar.
- We are active in our existing heartlands of Malaysia and Brunei, and are developing options in China.
- Production in Asia amounted to nearly 1.2 million boe/d in 2013.
- After-tax earnings from the oil and gas exploration and production operations of our subsidiaries, joint ventures and associates in the region were \$9.2 billion.
- We are participating in the development of four key projects in the region: Gumusut-Kakap, Malikai and Sabah Gas Kebabangan, all in Malaysia, and Rabab Harweel in Oman.
- We started up key projects including Majnoon FCP and Basrah Gas Company in Iraq, Amal Steam in Oman and Petai in Malaysia.



Left: A fire detector being inspected in the central processing facility at the Changbei gas field Shell operates in Shaanxi province, China.

Below: The Jinqui Tight Gas Project in Sichuan province covers approximately 4,000 square kilometres and is part of Shell's unconventional aas development business in China.



#### **IRAN**

In compliance with international sanctions against Iran, Shell halted its upstream commercial activities in Iran in 2010 and ceased buying oil from Iran in the first quarter of 2012. In 2013, we closed our small representative office in Iran. For more information, see RDS Form 20-F for the year ended December 31, 2013.

## **IRAQ**

We have a 45% interest in the Majnoon oil field that we operate under a technical service contract that expires in 2030. The other Majnoon shareholders are PETRONAS (30%) and the Iraqi government (25%), which is represented by the Missan Oil Company. Majnoon is located in southern Iraq and is one of the world's largest oil fields. In 2013, we successfully restarted production and Majnoon has reached the milestone of first commercial production of 175 thousand b/d, which triggers commencement of cost recovery. We also have a 15% interest in the West Qurna 1 field. According to the provisions of both contracts, Shell's equity entitlement volumes will be lower than the Shell interest implies.

In 2013, the Basrah Gas Company, a joint venture between Shell (44%), South Gas Company (51%) and Mitsubishi Corporation (5%) officially started operations. The Basrah Gas Company gathers, treats and processes raw gas produced from the Rumaila, West Qurna 1 and Zubair fields that was previously being flared. The processed natural gas and associated products, such as condensate and liquefied petroleum gas (LPG), will be sold primarily to the domestic market with the potential to export any surplus.

## **KA7AKHSTAN**

We have a 16.8% interest in the offshore Kashagan field, where the North Caspian Operating Company is the operator. This shallow-water field covers an area of approximately 3,400 square kilometres. Phase 1 development of the field is expected to lead to plateau production of approximately 300 thousand boe/d, increasing further with additional phases of development. After the start of production from the Kashagan field in September 2013, operations had to be stopped in October due to gas leaks from the sour gas pipeline. Investigations and repair activities are ongoing.

### MALAYSIA

We explore for and produce oil and gas located offshore Sabah and Sarawak under 19 PSCs, in which our interests range from 20-85%.

Offshore Sabah, we operate four producing oil fields (Shell interest 50%). We also have additional interests ranging from 30-50% in PSCs for the exploration and development of five deep-water blocks. These include the Gumusut-Kakap deep-water field (Shell interest 33%) and the Malikai field (Shell interest 35%). Both these fields are currently being developed with Shell as the operator. We began early production from Gumusut-Kakap in November 2012, by connecting two wells to the Kikeh production facility, which is operated by Murphy Sabah Oil. Production from Gumusut-Kakap via a dedicated floating production system is expected to commence during 2014. We also have a 21% interest in the Siakap North-Petai field which started up in early 2014, a 30% interest in the Kebabangan field and a 30% interest in offshore exploration PSC, SB311.

Offshore Sarawak, we are the operator of 17 producing gas fields (Shell interests ranging from 37.5-70%). Nearly all of the gas produced is supplied to Malaysia LNG in Bintulu where we have a 15% interest in each of the Dua and Tiga LNG plants. We also have a 40% interest in the 2011 Baram Delta EOR PSC and a 50% interest in Block SK-307. Additionally, we have interests in five exploration PSCs: Deepwater Block 2B, SK318, SK319, SK408 and SK320.

We operate a GTL plant (Shell interest 72%) adjacent to the Malaysia LNG facilities in Bintulu. Using Shell technology, the plant converts natural gas into high-quality middle distillates, drilling fluids, waxes and speciality products.

## **OMAN**

We have a 34% interest in Petroleum Development Oman (PDO); the Omani government has a 60% interest. PDO is the operator of more than 160 oil fields, mainly located in central and southern Oman over an area of nearly 114,000 square kilometres. The concession expires in 2044. During 2013, the Amal Steam enhanced oil recovery project was brought on stream. The project is expected to ramp up over a number of years and produce some 20 thousand b/d of oil at peak production.

We are also participating in the Mukhaizna oil field (Shell interest 17%) where steam flooding, an enhanced oil recovery method, is being applied on a large scale.



Left: At the Majnoon oilfield central processing facility in Basrah, Iraq, Shell contractors receive instructions on tool use.

Below: Maintenance check on a degassing station at the Majnoon oilfield near Basrah, Iraq.



# ASIA (INCLUDING MIDDLE EAST AND RUSSIA) CONTINUED

We have a 30% interest in Oman LNG, which mainly supplies Asian markets under long-term contracts. We also have an 11% indirect interest in Qalhat LNG, another Oman-based LNG facility.

#### **QATAR**

Pearl in Qatar is the world's largest GTL plant. Shell operates the plant under a development and production-sharing contract with the government of Qatar. The fully integrated facility includes production, transport and processing of approximately 1.6 billion scf/d of wellhead gas from Qatar's North Field with installed capacity of about 140 thousand boe/d of high-quality liquid hydrocarbon products and 120 thousand boe/d of NGL and ethane. We have a 30% interest in Qatargas 4, which comprises integrated facilities to produce approximately 1.4 billion scf/d of natural gas from Qatar's North Field, an onshore gas-processing facility and an LNG train with a collective production capacity of 7.8 mtpa of LNG and 70 thousand boe/d of NGL. The LNG is shipped mainly to markets in China, Europe and the United Arab Emirates.

We are the operator of Block D under the terms of an exploration and production-sharing contract with Qatar Petroleum, which represents the national government. We have a 75% interest; PetroChina holds the remaining 25% interest.

## **RUSSIA**

We have a 27.5% interest in Sakhalin-2, one of the world's largest integrated oil and gas projects. Located in a subarctic environment, the project produced approximately 320 thousand boe/d and more than 10 million tonnes of LNG in 2013. We have a 50% interest in the Salym fields in western Siberia, where production was approximately

145 thousand boe/d in 2013. We also have a 100% interest in three exploration and production licences. They are for the Barun-Yustinsky block in Kalmykia, and the Arkatoitsky and Lenzitsky blocks in the Yamalo Nenets Autonomous District. We also have an exploration licence in the North-Vorkutinsky area in the Komi Republic. In 2013, we returned the East Talotinskiy licence in the Nenets Autonomous District to the government.

## UNITED ARAB EMIRATES

In Abu Dhabi, we held a concessionary interest of 9.5% in the oil and gas operations run by Abu Dhabi Company for Onshore Oil Operations (ADCO) from 1939 to January 2014, when the licence expired. We also have a 15% interest in the licence of Abu Dhabi Gas Industries Limited (GASCO), which expires in 2028. GASCO exports propane, butane and heavier-liquid hydrocarbons, which it extracts from the wet natural gas associated with the oil produced by ADCO.

In 2013, we were chosen by the Abu Dhabi National Oil Company (ADNOC) to participate in a 30-year joint venture to potentially develop the major Bab sour gas reservoirs in Abu Dhabi (Shell interest 40%). Shell and ADNOC are currently in a period of commercial and technical work that may lead to development, subject to the signing of the respective joint-venture agreements. It is intended that the joint venture will be the operator, and that the gas will supply the local market in the United Arab Emirates.

## **REST OF ASIA**

Shell also has interests in India, Japan, Jordan, the Philippines, Saudi Arabia, Singapore, South Korea and Turkey. We suspended all exploration and production activities in Syria in December 2011.



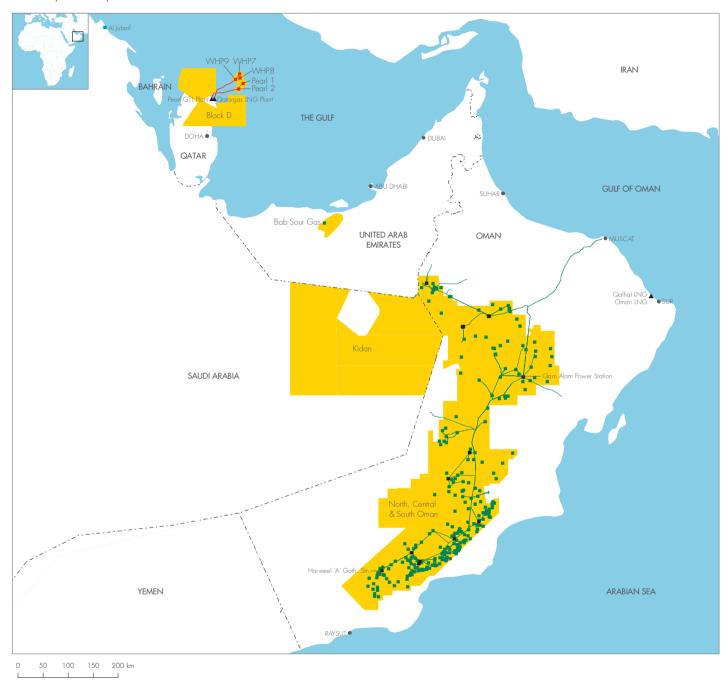
Left: A service boat at one of the offshore platforms supplying gas to Shell's Pearl GTL plant – the world's largest gas-to-liquids facility – near Doha, Qatar.

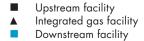
Below: Shell Qatar staff at the Pearl GTL offices near Doha.

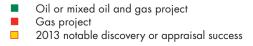


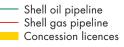
# ASIA

# OMAN, QATAR, SAUDI ARABIA AND UNITED ARAB EMIRATES



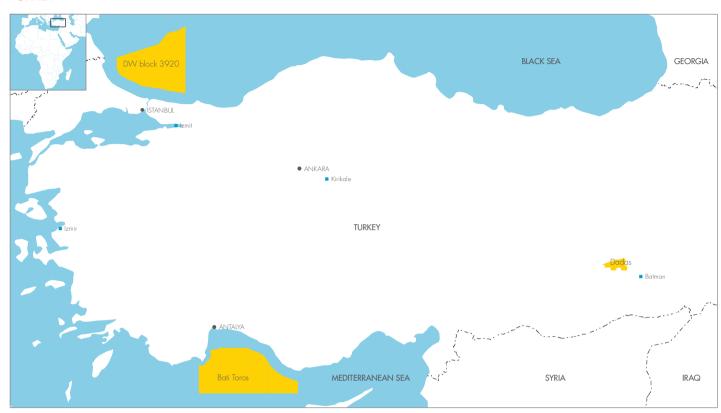






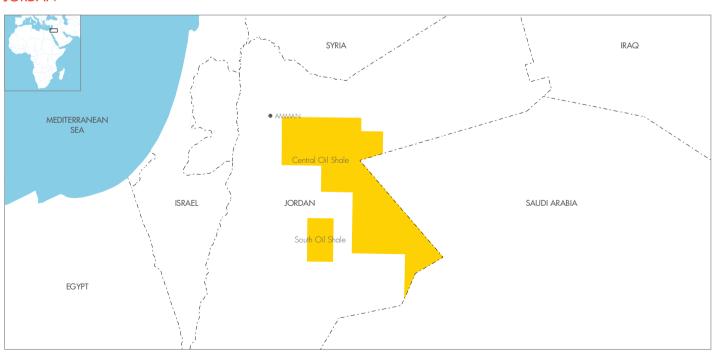


# **TURKEY**



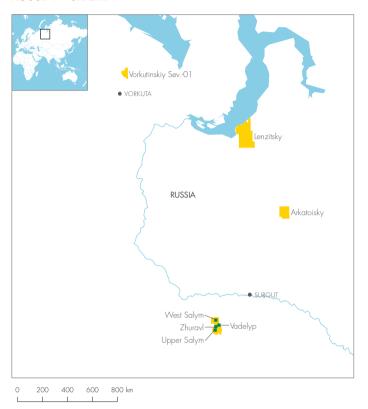
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## **JORDAN**



# **ASIA CONTINUED**

## RUSSIA - SIBERIA



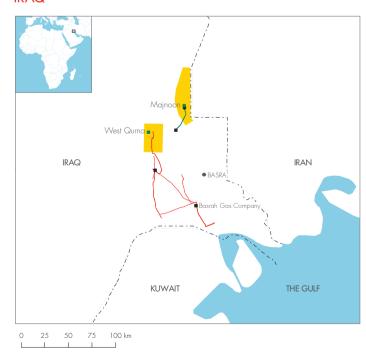
## **RUSSIA - SAKHALIN**



# KAZAKHSTAN AND RUSSIA

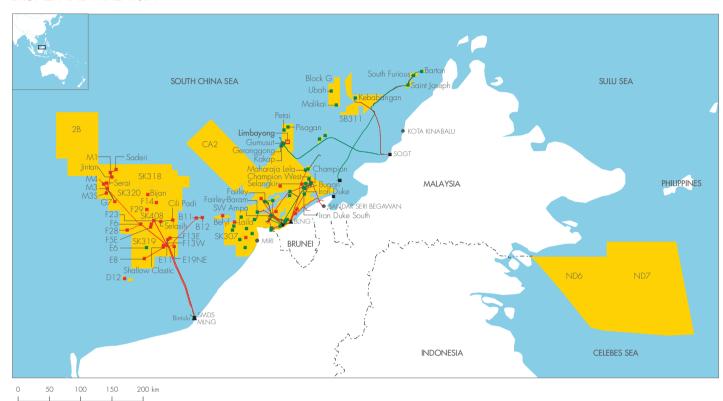


# **IRAQ**



- Upstream facilityIntegrated gas facility
  - Downstream facility
- Oil or mixed oil and gas project
- Gas project
  - 2013 notable discovery or appraisal success
- Shell oil pipelineShell gas pipelineConcession licences

## **BRUNEI AND MALAYSIA**



# **PHILIPPINES**

# SOUTH CHINA SEA San Martin SC 388 Malampaya Destecado SC 38A SAN JOSE DE BUENAVISTA SULU SEA

# CHINA

