



Ruby Gas Field

Makassar Strait, Indonesia



The Ruby gas field is located within the Sebuku PSC. Mubadala Petroleum is operator and holds a 70 percent working interest in the field, with the remaining 30 percent divided equally between Total E&P Sebuku and Inpex South Makassar Ltd.

The Ruby gas field started production in October 2013. The field development was sanctioned in June 2011 and the partners invested about USD 500 million in building the project facilities. Over the life of the field, approximately 250 billion cubic feet (bcf) of gas will be produced for sale to the domestic market.

The Ruby gas field is located in the Makassar Strait, between the islands of Kalimantan and Sulawesi, in a water depth of 60 meters. It produces gas from Oligo

Miocene Berai carbonates which lie at depths of just over 1,250 meters below sea level. The Ruby field wells and facilities have tested capabilities in excess of 115 million standard cubic feet of gas per day.

The offshore development consists of a wellhead platform which is bridge linked to a production and quarters platform. The platform facilities were all constructed in Indonesian fabrication yards. The gas is transported to an onshore receiving terminal via the 312 km subsea pipeline.

The gas is subsequently processed at the Total E&P Indonesia-operated Senipah Onshore Gas Plant, and then delivered via pipeline to a fertilizer plant owned by the buyer, PT. Pupuk Kalimantan Timur.

In November 2015, the offshore development gained accreditation of two major international safety and environmental standards ISO 14001 and OSHAS 18001.

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Project details

Name & location of field	Ruby Gas Field – Sebuku PSC, Makassar Strait, Indonesia	
Project description	The project to design, construct and install the offshore platforms, subsea pipeline, and onshore gas receiving terminal was sanctioned in June 2011. The offshore platforms were constructed in Indonesian fabrication yards in Handil Balikpapan and Batam. Production commenced in October 2013 following drilling and completion of 4 production wells just 28 months after project approval.	
Operator/developer	Mubadala Petroleum through Indonesian affiliate, PEARLOIL (Sebuku) Limited	
Project components	Two offshore platforms with produced water separation and treatment system, 312 km pipeline, onshore receiving facility	
Upstream facilities	<p>Wellhead platform (WHP):</p> <ul style="list-style-type: none"> • 6 well slots • Well-head control panel • Multiphase well testing • 4 wells 	<p>Production and quarters platform (PQP):</p> <ul style="list-style-type: none"> • Production separator and produced water treatment system • Gas compression • Living quarters with helideck • Pig launcher
Onshore facilities	<ul style="list-style-type: none"> • Pig receiver • Slug catcher • Fiscal gas and condensate metering 	
Dates of commercial operations	First gas 27 October 2013	
Offshore personnel	The offshore living quarters accommodate 30 personnel	