



## Gazprom breaks ground on integrated gas processing and petchem cluster in Ust-Luga

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Received date: November 16, 2021; Accepted date: November 30, 2021; Published date: December 7, 2021

### Abstract

Current production from the leases comprises 22 MMcf/d (net to Jura 6.05 MMcf/d) of Conventional Natural Gas (CNG) and 174 bbl/d (net to Jura 46.85 Bbl/d) of Natural Gas Liquids (NGLs) at an average NGL yield of 7.90 bbl/MMcf. CNG production from the leases is being sold to Sui Southern Gas Co. Ltd. NGLs production is sold directly to refineries in Pakistan. Petroleum Exploration (Pvt.) Ltd. is operator of the block. Jura Energy holds 27.5% interest. TransGlobe details 2020 drilling program TransGlobe Energy Corp., Calgary, expects to spend \$37.1 million for a 2020 drilling program that includes 16 wells in Egypt wells four wells in Canada. Average production in 2020 is expected to be 14,500-15,500 boe/d with a midpoint of 15,000 boe/d, with Egypt expected to produce 11,900-12,700 boe/d and Canada expected to produce 2,600-2,800 boe/d. Production in 2019 averaged 16,000 boe/d for the year. In Egypt, the company expects to spend \$23.7 million this year on 12 development wells and four exploration wells, principally focused on the Eastern Desert. The program has \$5.4 million (23%) allocated to exploration and \$18.3 million (77%) to development. Development wells include four wells in West Bakr, one Red Bed appraisal well in the NW Exploration wells include one well in West Bakr, two wells in NW Gharib in the East Desert, and one well in South Ghazalat in the Western Desert. Gharib 3X pool, six wells targeting the Arta Nukul reservoir in West Gharib and NW Gharib, and a single well in the SGZ-6X pool, targeting the lower Bahariya reservoir in the Western Desert. Additional activity for 2020 involves ten recompletions in West Bakr, four recompletions in West Gharib, water handling expansion at West Bakr, and development/ maintenance projects in the Eastern Desert (West Bakr, NW Gharib, and West Gharib). Negotiations continue with the Egyptian government to amend, extend, and consolidate the company's Eastern Desert concession agreements.

### Introduction

In Canada, \$13.4 million is earmarked for a 2020 drilling program of four horizontal, multi-stage stimulated wells targeting the Cardium light oil resource at Harmattan with additional maintenance/development capital.

Hess Malaysia, Kuala Lumpur, started first gas from the Zetung wells in Phase II of the North Malay Basin (NMB) integrated gas development project in Malaysia. Phase II includes development of Zetung and Anggerik fields south of the Bergading Central Processing Platform 300 km offshore, and installation of a three-legged terminal wellhead platform with associated pipelines. Anggerik wells are expected to come onstream in April.

Phase I comprised an early production system and full-field development which achieved first gas in 2013 and 2017, respectively. Hess earlier this year sanctioned Phase 3 with first gas planned for fourth-quarter 2021.

NMB is a long-life natural gas asset comprised of nine discovered natural gas fields with an estimated gross recoverable resource of more than 1.5 tcf natural gas and more than 20 million bbl condensate.

In January, the company said \$170 million of its 2020 budget is allocated for production activities at NMB and the Malaysia/Thailand joint development area in the Gulf of Thailand (OGJ Online, Jan. 28, 2020).

Hess Malaysia, a subsidiary of Hess Corp. is operator of NMB with 50% interest. Partner is Petronas Carigali Sdn Bhd with 50%.

### Processing—Quick Takes

ADNOC lets contracts for Abu Dhabi gas mega project

Abu Dhabi National Oil Co. (ADNOC) has let two contracts to Petrofac Ltd. subsidiary Petrofac Emirates LLC and a joint venture of Petrofac and Sapura Energy Bhd. to provide engineering, procurement, and construction (EPC) for ADNOC's Dalma gas development project located 90 km northwest of Abu Dhabi City, UAE, a key part of the Ghasha Concession portfolio of projects encompassing Hail, Ghasha, and Dalma ultra-sour gas fields in the Emirate of Abu Dhabi (OGJ Online, Aug. 15, 2017).

The two EPC contracts, which have a total combined value of more than \$1.65 billion, cover EPC services—including novated long-lead items, transportation, offshore installation, and commissioning—for Dalma gas field development, as well as offshore packages at Arzanah island and surrounding offshore fields about 140 km off Abu Dhabi's northwest coast, ADNOC and Petrofac said in separate Feb. 18 releases.

As part of the first \$1.065-billion, 33-month, lump-sum contract, Petrofac will provide EPC services for gas processing installations at Arzanah island, including inlet facilities with gas processing and compression units, power generation units, utilities, and other associated infrastructure, the service provider said.

Under the second 30-month, lump-sum contract—valued at \$591 million—the Petrofac-led JV with Sapura Energy will deliver EPC services for three new wellhead platforms, removal and replacement

of an existing topside, new pipelines, subsea umbilicals, composite,

production, storage, and offloading vessel to a 2.5-million mtpy floating LNG unit at a nearshore hub on the Mauritania and Senegal maritime border. Kosmos estimates total recoverable gas in the field at around 15 tcf.

The project will provide LNG for export, as well as make gas available for domestic use in both Mauritania and Senegal. First gas for the project is expected first-half 2022.

Following signing of the agreement, Kosmos intends to book net proved reserves of 100 MMboe associated with Phase 1, as evaluated by reserve auditor Ryder Scott Co. LP.

Tortue Ahmeyim field development is on the C-8 block offshore Mauritania and the Saint-Louis Profond block offshore Senegal. BP operates Tortue with 61%. Partners are Kosmos 29%, Senegal-state Petrosen 5%, and Mauritania state firm SMHPM 5%.

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