

EAST MESSOYAKHA

RUSSIA'S NORTHERNMOST CONTINENTAL FIELD

EAST MESSOYAKHA FIELD

RECOVERABLE RESERVES (100%)¹**353.3**

MN T OF OIL

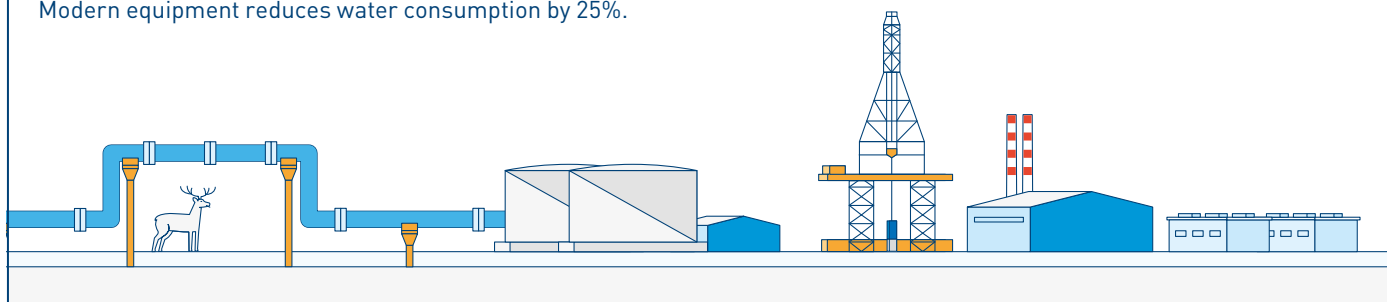
2.9

MN T OF CONDENSATE

119BN M³ OF GAS**3.16**MN T OF OIL (100%)
PRODUCED IN 2017

Complex technical and logistical solutions were used to develop the field located beyond the Arctic Circle in order to minimize the impact on the Arctic ecosystem. The Company built special deer crossings when routing pipelines in areas of deer migration as well as underground crossings under the large Muduyahu and Indikyahu rivers. Modern equipment reduces water consumption by 25%.

The first stage of the East Messoyakha field was put into operation in 2016. Fishbone technology was used in the field's development to build wells with multiple horizontal branches that lead to separate oil fields without penetrating the layers containing gas or water.



GATES OF THE ARCTIC

THE WORLD'S ONLY ARCTIC OIL LOADING TERMINAL

NOVOPORTOVSKOYE FIELD

490

MN TOE

RECOVERABLE RESERVES²**5.95**

MN T OF OIL

PRODUCED IN 2017

1.26BN M³ OF GAS

PRODUCED IN 2017

The Novoportovskoye field is the northernmost and one of the largest oil and gas condensate fields on the Yamal Peninsula. Novy Port light crude oil is produced at the field with a low sulphur content (about 0.1%). The Gates of the Arctic, a unique marine terminal that is designed to operate at low temperatures, handles year-round shipments of crude oil. 'Zero discharge' technology prevents pollutants from entering the waters of Ob Bay. The Company is building its own fleet, including modern icebreakers and Arctic tankers, in order to transport oil along the Northern Sea Route.

