# King Prince: New discovery Near the oldest PL in the NCS

# The King/Prince discovery is located in the North Sea in the western margin of the Northern Utsira High in PL027, about 6 km north of the Balder Field and 5 km northwest from the Ringhorne field.

# PL027 is one of the oldest PL on the NCS, was awarded in the 1969 and currently covers the area outside the PDO of the Balder-Ringhorne Unit (producing fields). Vår Energi is the Operator of the PL027 with 90% of share and Mime Petroleum is partner with 10%, same share as the Balder-Ringhorne Producing Unit.

The predrill objective for the King Prince prospect was to prove hydrocarbon in the Lower Jurassic/Upper Triassic Statfjord Gp and in the Triassic Skagerrak Formation, with a potential secondary target in the Paleocene Hermod Formation in the wellbore 25/8-20S (Prince), whereas the primary objective of the 25/8-20B (King) was to prove hydrocarbon in remobilized sandstone encased in hemipelagic shales in the Balder Formation. Subject to the results of the main bores to extra side-track were planned.

The well 25/8-20 S encountered an oil column of about 30 meters in the Skagerrak Formation, of which about 10 meters of sandstone of moderate to good reservoir quality. Oil water contact was not encountered in the well. The well encountered about 45 meters water bearing sandstone with very good to excellent reservoir quality in the Eriksson Formation in the Statfjord Group, whereas the secondary exploration target in the Hermod Formation encountered about 50 meters of water bearing sandstone with excellent reservoir quality.

The well 25/8-20 S was drilled to a vertical depth of 2,374 meters and a measured depth of 2,733 meters below the sea level and terminated in the Skagerrak Formation of Late Triassic Age.

The well 25/8-20B encountered thin injectites gas bearing in the Balder formation and the main remobilized sandstone body, about 10 m thick with excellent reservoir properties gas and oil bearing, penetrating at the very top of it the gas oil contact; the oil water contact was not encountered in the well. The overall estimated hydrocarbon column is about 95 m of which 55 m of oil column. The oil-water contact was estimated by pressure data.

The 25/8-20 B encountered oil in sandstone with poor to moderate reservoir in the Skagerrak Formation, also in this case oil water contact was not encountered.

The well 25/8-20 B was drilled to a vertical depth of 2,353 meters and a measured depth of 2,698 meters below the sea surface and was terminated in the lower part of the Skagerrak Formation

Given the positive results of the well 25/8-20 B a sidetrack (25/8-20 C) was drilled to test lateral extension and the Balder injectites play and confirm the hydrocarbon contacts. The 25/8-20C (King sidetrack) proved gas in thin injectites and encountered about 40 m of oil-bearing reservoir with excellent reservoir properties, consisting of 13m of “breccias” with high sandstone content and about 25 m of clean sandstone.

The King sidetrack penetrated the OWC confirming communication with the injected body penetrated by the well 25/8-20 B, matching the OWC defined by pressure data in the King main bore (25/8-20 B) and the overall estimated hydrocarbon column of 95 m.

The well 25/8-20 C was drilled to a vertical depth of 1880 meters and a measured depth of 2,060 meters below the sea surface and was terminated in the Sele Formation of Paleocene Age