

De-risk Complex Traps With Salt Modeling & DAZ Imaging

DE-RISK YOUR
32ND ROUND
AWARDS **NOW**

CHALLENGE

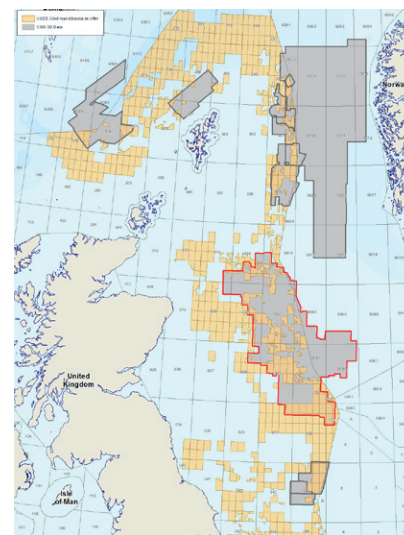
Complex salt tectonics presents a key geological challenge in the Central North Sea. Salt flank and subsalt imaging has historically been a problem when evaluating complex stratigraphic traps.

SOLUTION

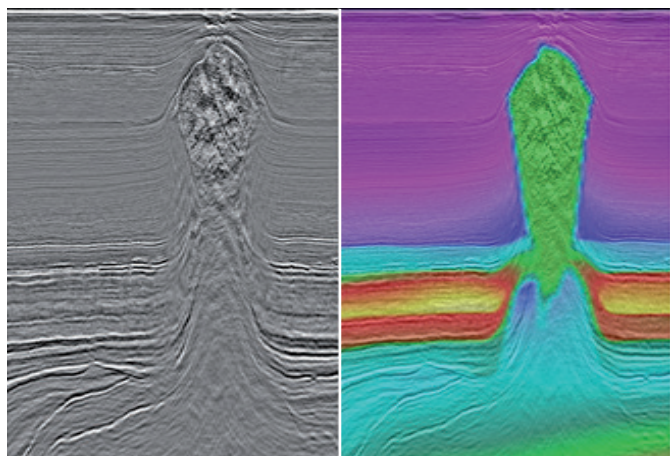
The Cornerstone Evolution imaging workflow included comprehensive salt modeling for over 20 individual piercing diapirs. With the benefit of dual-azimuth (DAZ) imaging over the majority of the diapirs, the use of reverse time migration (RTM) and salt scenario testing, the velocity model updates have resulted in dramatic imaging improvements around and below the diapirs.

RESULTS

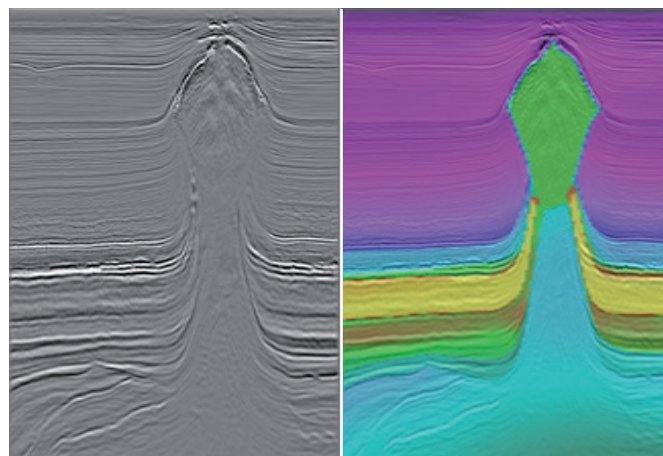
The improved flank imaging and overall improvements in signal-to-noise ratio are helping to identify remaining Palaeocene potential and also new potential within the Jurassic and Triassic, as demonstrated by discoveries such as Culzean and Isabella.



CGG 32nd round coverage.



Example of legacy image [left] and salt model [right].



Evolution image [left] showing improvements on the salt flank and the new salt model [right].

Follow the link below to find out more, or contact us to arrange a data viewing:

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