

Introduction to FORCE-webinar:

Low permeable reservoir resource potential

FORCE Presentation – 09. november 2023 Presenter: Kristoffer Engenes, Geologist, NPD

NPD Technology Strategy



Subsurface data acquistion



Challenging barrels









Stranded HC – Typical challenges

- Low perm reservoirs: Generally, the most common challenge
- **HPHT**: Drilling challenges, typically also in combination with low permeable reservoirs
- Low pressure: Shallow burial, limited pressure support
- **Compartmentalisation**: Flow barriers, flow rates, typically in combination with low permeable reservoirs
- **Gas quality**: Elevated levels of CO₂, H₂S and Mercury
- Access to available infrastructure: Long distance to existing infrastructure is preventing commercial development of proven gas resources
- Technology: New drilling-, completion- and production technologies are required to unlock development of stranded HC



Stranded gas study

- NPD has in 2023 evaluated the conditional stranded gas resources on the NCS, currently classified as RK7-RK4 (see resource classification chart).
- Focus has been to identify opportunities that have the potential to be further matured towards commercially attractive reserves, classified as RK3-RK1.
- The evaluations have indicated potential for maturation of commercial attractive development projects, however, generally under the condition of implementation of new drilling-, completion- and production technologies.
- We are looking forward to see presentations of this from Equinor, SLB, Shell and others in today's webinar.





Takk for oppmerksomheten!

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