Reducing sub-salt uncertainty: a North Sea RTM case study

V. Valler¹, M. Vrijlandt², B. Cox³, T. Gasiorowski¹, A. Ratering², J. Fruehn¹

¹: ION GX Technology UK
²: GDF SUEZ E&P Nederland B.V.
³: Monarch Geophysical Services
Outline

- Geological background
- Introduction to case study
- Model-building methodology
- Results
- Conclusions
- Acknowledgements
Conclusions

- This project updated the velocity model by carefully managing four elements
  - Gather flatness in sediment model
  - Salt geometry – defined using RTM
  - Sonic fit
  - Misties

- Uplift from vintage model was very good, aiding better understanding in a difficult geological setting

- Adjusting the velocities in the Lower Cretaceous/Jurassic layers is crucial to the success of sub-salt imaging

- Using Reverse Time Migration helps further in interpretation
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- You, the audience for listening.
Charged to innovate. Driven to solve.