

22645 - HESS – GEOLOGISTS

F) GEOLOGICAL ADVISOR/SENIOR GEOLOGICAL ADVISOR

Location: Copenhagen, Denmark
Business Unit: Europe and Eurasia Technical
Reporting to: Subsurface Team Leader

Summary

Working within the multi-disciplinary subsurface team for the South Arne Field, lead the geological work program to optimise field development plans via direct contribution and leadership of other geologists. Their key focus areas are:

- Build representative static reservoir models that account for geological and production data, and that can be used to generate and support development drilling locations.
- Identify and quantify the geological uncertainties that need to be considered when evaluating future reservoir development.
- Evaluate near field exploitation and appraisal opportunities.
- Assist with reservoir management and characterisation.
- Support recommendations to acquire additional geological data, or update datasets.

Work with the Subsurface Team Leader to ensure that geological work plans are integrated in the overall subsurface work plan.

Mentoring of less experienced geoscientists and engineers is required.

Responsibilities

- Detailed evaluation of current geological data, and inclusion of this data in field models.
- In conjunction with other subsurface team members, build and maintain static geological models and fully document all work.
- Provide estimates of HCIIP (Hydrocarbon Initially In Place), and support work to estimate recoverable volumes and reserves estimates.
- Provide geological input to the evaluation and justification of development and appraisal well proposals.
- Identify and quantify geological uncertainties, and formulate mitigation plans where these affect investment proposals.
- Take a lead role supporting well operations, and interface with well construction staff.
- Integration of new well data and results into reservoir models and evaluating the implications for recovery estimates.
- Develop work plans for the more junior geologists in the team, and provide input to the overall work plan for the subsurface team.
- Joint delivery of field development plans with technical team members and provide geographical input for FDP documents for submission to Hess management, governing bodies, and JV partners.
- Communicate results of all work effectively to Hess management, field partners and regulatory agencies.

Experience

- Broad experience in development and production geology, some of which has been acquired working on operated assets.
- Experience should include: building geocellular reservoir models for input to simulation, and recommending well locations for future development and infill drilling programs.
- Experience working on chalk reservoirs would be an advantage.
- Experience with Petrel is required, and some familiarity with Eclipse would be beneficial.

Education

- MSc or PhD in Geology requires. Consideration may be given for equivalent industry experience.