

22647 - HESS – GEOPHYSICISTS

B) SENIOR GEOPHYSICIST/ADVISOR PROCESSING

Location: Houston, Texas, USA
Business Unit: Exploration & Production Technology - Seismic
Reporting to: Manager – Seismic Processing

Summary

The Senior Geophysicist is a core team member for subsurface and exploration teams.

Responsibilities

- In-depth working understanding of the basic geophysical tool kit and workflows.
- Applying geophysical toolkit to complex problems in local regime.
- Create models to explain observations and make predictions.
- Characterise the complex elements of a field/prospect/play and basin.
- Core member of projects that impact the team.
- Mentor interns and foundation phase.
- Accountable for project delivery at sub-team scale.

Candidate

- Ability to use the basic geophysical interpretation tool kit and workflows to perform core interpretation:
 - Well log analysis
 - Pre-stack interpretation
 - Attribute analysis
 - 2D and 3D interpretation
- Interact with specialist toolkit while developing a deeper understanding:
 - Seismic acquisition/processing
 - Potential fields
 - Petroleum Systems
- Ability to build complex geological/geophysical models.
- Can characterise uncertainty and risk in the subsurface for all key elements.
- Applies core competency to exploration reserves and resource description.
- Experience with subsurface description and characterisation.
- Experience in geophysical application along the value chain.
- Ability to apply some expertise out-with the core geophysical toolkit.
- Mentoring experience.
- Bachelors Degree in Geophysics with preference for Masters.