



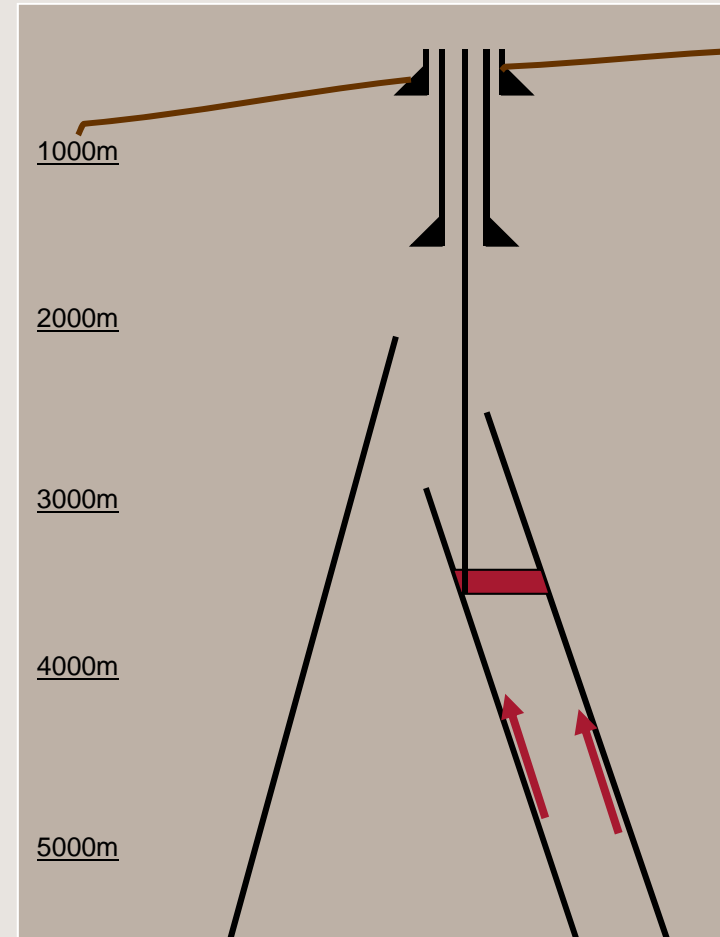
# Well Control Response

Are you ready?

# The Well Operations – October 2009

- Drilling ahead at 2912m with 1.25SG Mud
- A kick occurs of unknown intensity
- The well is shut in – immediately exceeded MAASP and fractures the shoe.
- Multiple circulations over the choke continue to return severely gas/water cut mud. SIDPP does not respond as it should. Crossflow is evident.
- You now realise that “Conventional Well Control” is not possible.

***What comes's next?***



# How does your organisation respond?

## *With a fractured shoe and underground flow– what's next?*

- How ready is your organisation?
- Do you have the skills in house to work this?
- What logistics do you have / What equipment do you need?
- What help can you enlist? How deep is your team for extended ops?
- How and when do you escalate?



## Further Escalation

*In addition to a fractured shoe what if.....*

- severe losses occur and you run out of mud?
- your drill string plugs?
- your choke and kill lines plug?
- it is cyclone season?

.....how does this impact your plans





## Our Response

- A response team was mobilised to D&C Tech Support Room
- 24hrs operations for first 6 days, then day shift only for another week.
- Well control operations were complex and non conventional.
- Peer review conducted with independent Well Control contractors.
- Successfully conducted P&A operations with well shut in.
  - inducing losses at upper zone
  - stripping
  - bullheading baryte plugs and then cement into place.

**.....more technical detail to be presented in Drill Well Session this afternoon.**