Bureau of Safety and Environmental Enforcement

CAPPING STACK AND CONTAINMENT DOME

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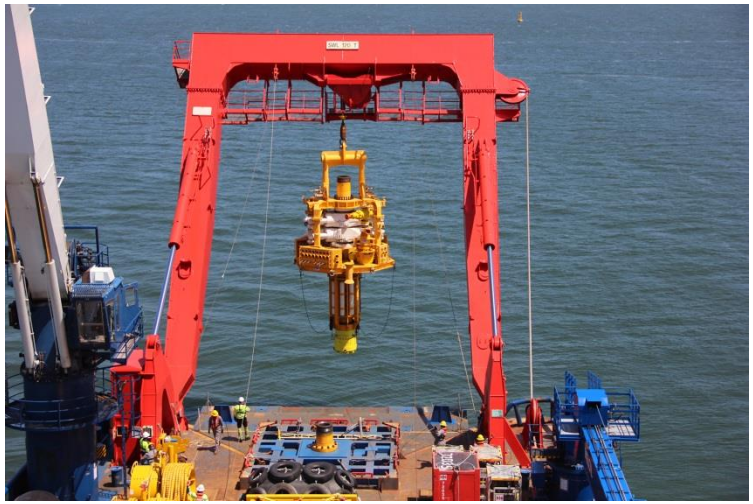
October 11, 2017

"To promote safety, protect the environment and conserve resources offshore through vigorous regulatory oversight and enforcement."

Capping Stack

- Deployed from surface

  Two blowout preventer rams to seal and hold pressure.

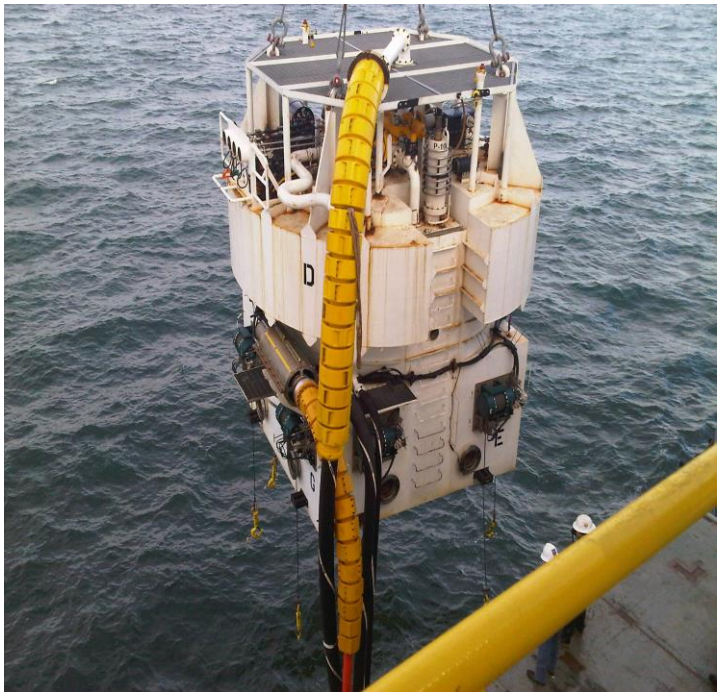


- Cap and flow system

  If there is a need to relieve pressure, may be valved to the flow line to the surface.

Containment Dome

- Deployed from surface
  - Does not attach to pipe
  - Suspended above flow
  - Subsea gas/oil/water seperator
  - Fluids conveyed to the surface



TAP Study 790 – Alaska

Capping, Containment, Relief wells

- Study will provide a description of the Alaskan Arctic Outer Continental Shelf (OCS) meteorological/oceanography (metocean) and operational conditions which, in the event of a loss-of-well-control situation, would:
  - Preclude the safe deployment of Source Control and Containment Equipment
  - Preclude the operator from safely drilling a relief well
  - Allow one method, but preclude the other
  - Provide historical statistical analysis of the Alaskan Arctic OCS drilling season, over the past 5 years, in which metocean and operational conditions would support either or both methods.

Questions?

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