















Relief Well Intersection Process

SCUSP

- Intercept depth(s)
- Constraints on relief well surface location(s)
- · Target and adjacent well position uncertainties
- Hydraulic communication method(s)
- Target ranging strategy
- Subsurface drilling and well control hazards
- Relief well(s) trajectories
- Casing design
- Drilling program
- Kill program integration

Step 1 - Define the Blowout Scenario

4SCUISP

- Well Location South China Sea, January
- Exploration Well (unknown reservoir)
- Blowout to Seabed in 260m MSL
- Flowpath inside open 9-7/8" Casing
- Drilled from moored Semi
- Gyro survey to 20", MWD to TD
- Temperature at top of reservoir 160°C
- Reservoirs: 3x Sandstone 11,500 psi
- Drilling MW = 2.05 sg (17.1 ppg)
- No adjacent wells < 1000m
- 60 days since spud
- Subsea cap and contain SIMOPS























































