

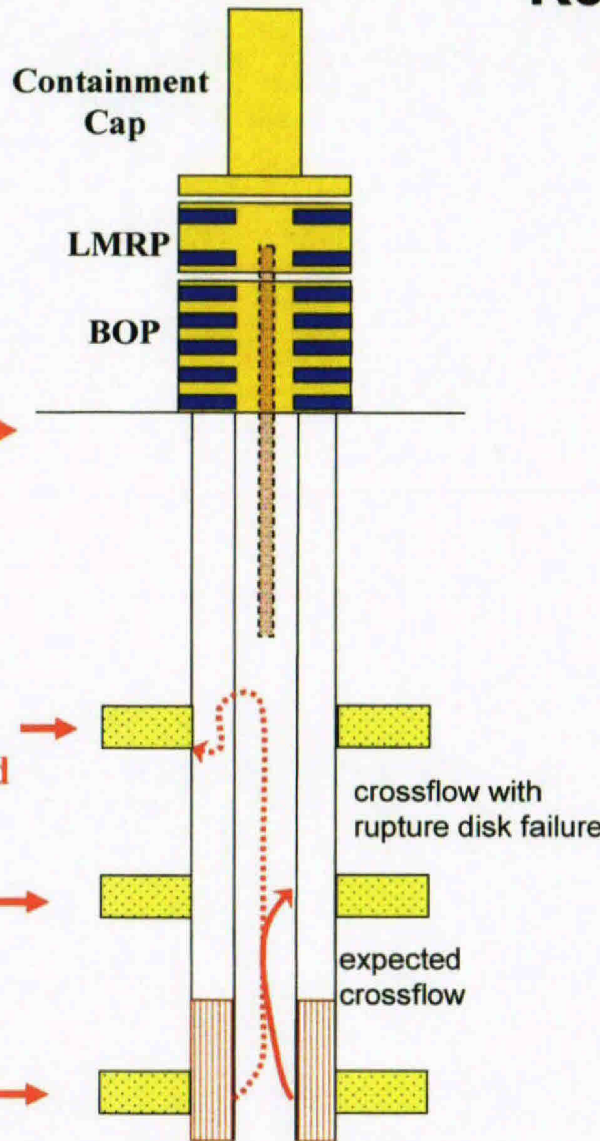
2270 psi
ambient

4365 psi →
6/26/10

18" Shoe
M110 Sand

M57
Gas Sand

M56
11850 psi
initial pressure



Key Conclusions wrt SIWHP

- Impact of crossflow:
 - Reservoir fluid fills the M110, charging it above fracture capacity
 - Possible broach to surface
- M110 sand is small (5' thick), in one scenario could fill to fracture pressure in 10 days (resvr flow > 32mbd).

Can we detect this scenario?

- Leak off will not be detectable (constant charge from M56)
- Crossflow at 18" shoe would be detectable if "large enough"
 - Max Q_o through 6 disks: 6000 bpd
- Would manifest itself as a lower than "anticipated" SI BOP pressure
- Uncertainty in SI BOP pressure is driven by aquifer & rate