Terredown 6

Seafloor Exit 7" x 9-7/8" Casing Annulus Flow Path

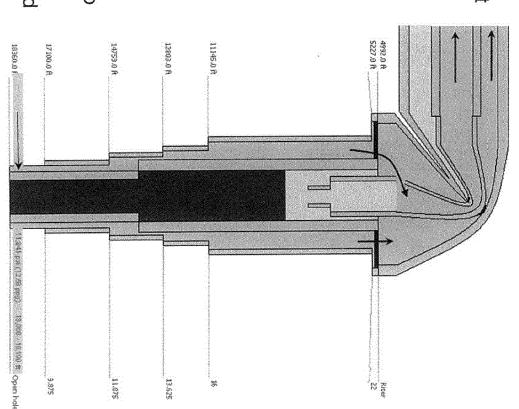
Worst case theoretical flow assumes:

- Split 5-1/2" drill pipe at subsea BOP and flow out 6-5/8" drill pipe
- Maximum theoretical flow rate is 60,000 BOPD

Items that reduce worst case theoretical flow:

- Crushed and bent riser and drill pipe
- Cement sheath in open hole by casing annulus
- Casing hanger and pack-off restriction
- Sand production (unconsolidated formation)
- Shale collapse
- Water production
- BOP functions activated
- Expected range of possible flow rates is 5,000 to 40,000 BOPD

NOTE: Removal of all restrictions (riser, BOP, and drill pipe) adds ~10,000 BOPD to rates above



Key Messages

Expected Case:

to 2270 psi (pressure seafloor) results in a flow rate increase ranging from 15% to 30% In the current state a wellhead pressure decrease from 3800 psi

Alternate Case:

If fluid flow is only through the drill pipe – and then the drill pipe is unintentionally removed and flows into the sea (2270 psi): For flow up the annulus the rate doubles For flow inside production casing the rate triples

Zote:

casing or 55,000 barrels per day up the annulus (low probability worst cases) restrictions – the rate could be as high as ~ 100,000 barrels per day up the If BOP and wellhead are removed and if we have incorrectly modeled the