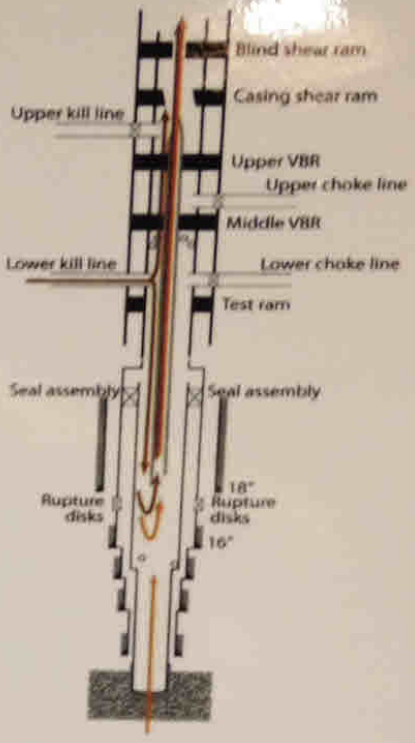
## Scenario #1:
### HC and dominant mud flow up drill pipe and bypass through rams

- Drill Pipe exists through the BOP.*
- HC flow is predominantly through the drill pipe and may also be bypassing the rams.
- Mud flow is predominantly straight back out of the well by going back up the drill pipe, and also by passing the BOP rams.
- At 70bpm and the pressures recorded, only ca. 25 bpm of mud could reasonably be flowing up the drill pipe.
  - "Too much flowrate - over 15,600"
  - "Too large an orifice"

* Pressure readings taken across the BOP stack indicate that both the 5.1/2" / 3.1/2" drill pipe are present.












## Scenario #1: Supporting Evidence
### HC and dominant mud flow up drill pipe and bypass through rams

- Supporting evidence consistent with Defining Observations 1 & 4.
- Need 78 bpm to flow up combination of drill pipe and ram bypass. Pressure drop indicates max flow up drill pipe ca. 25 bpm, therefore, ca. 50 bpm bypass at rams.
- Inconsistencies:
  - ~~Not~~ all consistent with Defining Observations ~~2 or 3~~ (at high rates).
  - Massive flow past rams would expect significant erosion.

**Conclusion: Possible but not Plausible** and realistic