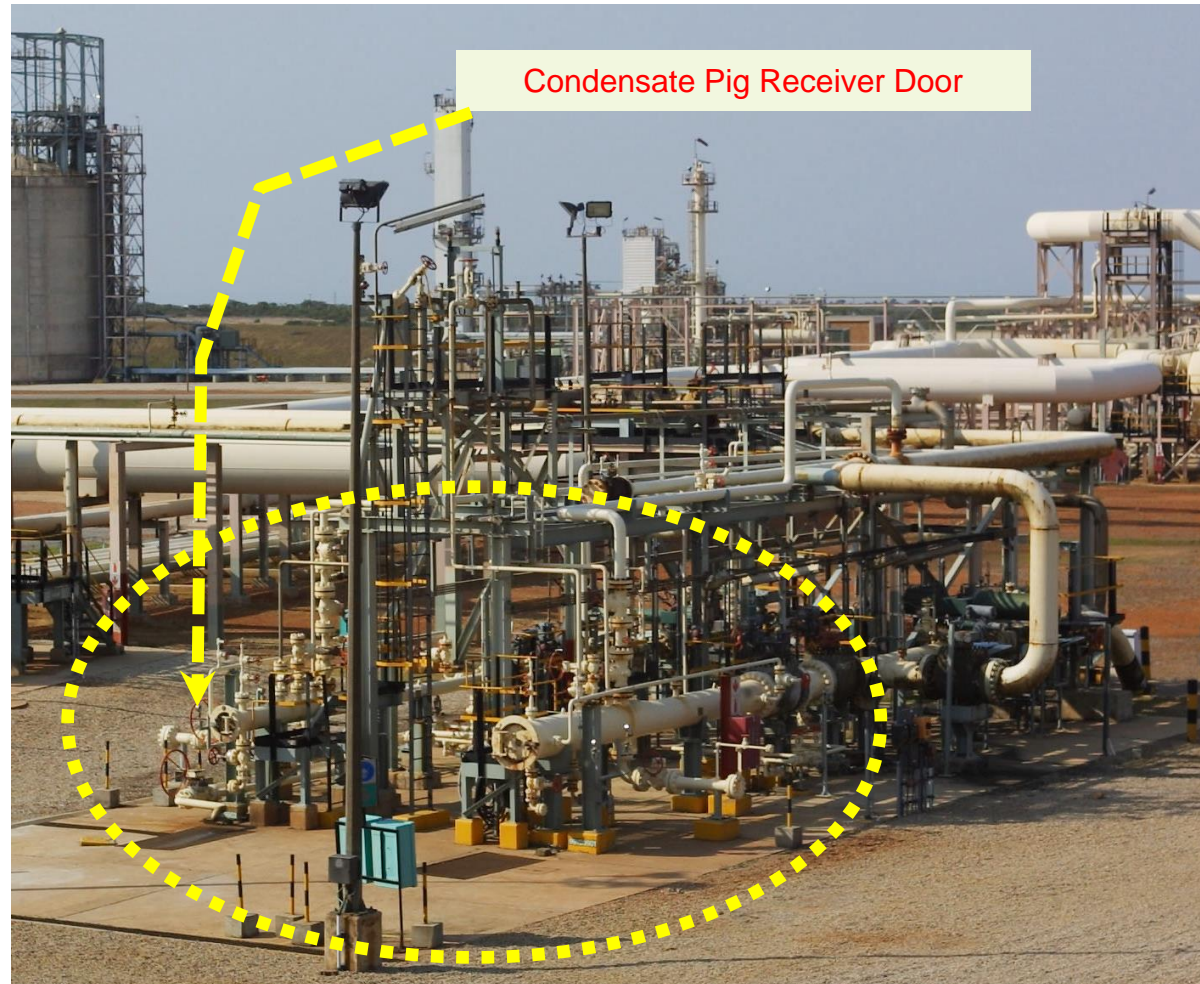


# LFI: **Hydrocarbon Leak** at Condensate Pig Receiver



# What went Wrong?

- Liquid Hydrocarbon (light naphtha) leak at Pig Receiver Door.
- *Leak rate = 7 – 9 drops per minute, Tier 3.*
- Both Pig Receiver isolation valves passing.
- *ASU offline and parked – external nitrogen with supply interruptions.*
- Fuelgas supply ex offshore could not be stopped.
- Timeous process to test suitable isolation arrangements whilst maintaining fuel gas supply to flare.
- Incident escalated to Tier 2 as HiPo due to duration. ORA completed - interim mitigations.



# Why it Happened & Lessons Learned?

- Quick opening, Clamp ring type closure of the pig receiver door – a 3 piece closure with door, hub, and clamp ring.
- The clamp ring is used to hold the door and hub using an O-Ring pressure seal.
- Likely Cause – swelling of the O-ring after exposure to the atmosphere at last pigging exercise.
- O-ring not replaced after opening pig receiver.
- Pressure fluctuations because of FA Platform trips and draw down of fuelgas on supply line pressure.
- O-ring of Pig Receiver must be replaced after, and isolation checked before pigging operation.



# Thank You

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“Do your little bit of good where you are;  
its those little bits of good  
that when put together  
can change the world”

Desmond Tutu