CASE STUDY: OILFIELD CHEMICALS -GABON

FULLSWEET HSS1003 non-triazine H_2S scavenger reduced H_2S from 800 to <50ppm, increased production by 350 BOPD in sour Gabon well

CHALLENGES

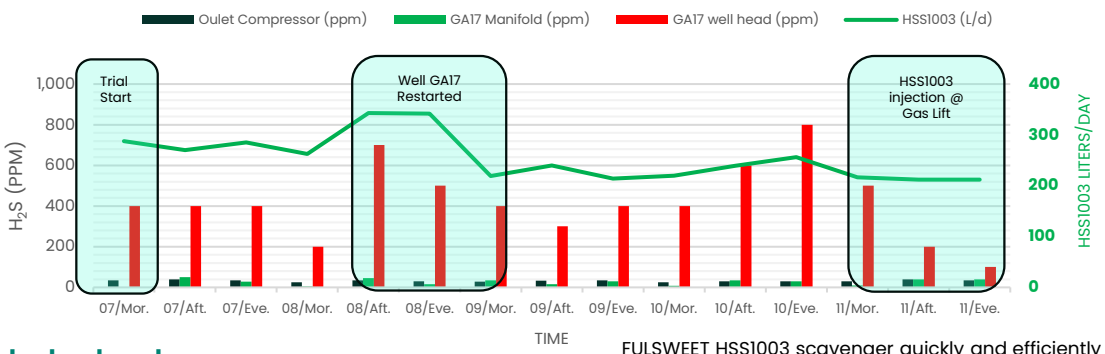
- Increased H_2S prevented production from wells within onshore field in Gabon (800ppm)
- Overall sales gas production - maintaining <50 ppm H_2S KPI
- Competitor conventional scavenger was unable to reach the <50ppm specs
- Required to scavenge 101 pounds (46 Kg) per day of H_2S with 5-8 minutes of contact time and 30°C temperature
- Solids (iron sulfide) formation due to the H_2S causing fouling in production strainers and compressors

SOLUTION

- FULLSWEET™ HSS1003 non-triazine H_2S scavenger applied downhole via gas lift for its:
  - Ability to partition in water and oil resulting in higher H_2S removal capacity
  - Quick reaction times with a single-phase, low dose treatment
  - Ability to minimize solids generation, scaling, corrosion and emulsion issues
- Applied at 25% less than forecasted using Baker Hughes modeling to meet 50ppm KPI for H_2S in gas phase

RESULTS

- Reduced H_2S concentration in gas from 800ppm to <50ppm
- Increased production by >350 BOPD
- Eliminated issues with fluid separation when produced fluids reached separation vessels
- Reduced corrosion and solids generation in mixed production system



FULSWEET HSS1003 scavenger quickly and efficiently reduced H2S for increased production

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