

# H<sub>2</sub>S removal efficiency improved up to 98% by integrating real-time chemical automation and non-triazine chemistry

## CHALLENGES

- Safety risk from increased H<sub>2</sub>S production in sour reservoir, measuring as high as 600 ppm
- Target to reduce H<sub>2</sub>S levels to below 50 ppm
- MEA triazine-based competitor treatments failed to reduce H<sub>2</sub>S ppm
- No existing method to monitor, manage, and mitigate H<sub>2</sub>S risk
- Increased OPEX from manual adjustments and well site visits

## SOLUTION

Integrated production solution combining a non-triazine H<sub>2</sub>S scavenger, automated chemical injection, and digital monitoring platform

- **FULLSWEET™ multiphase H<sub>2</sub>S scavenger** treatment, a non-triazine chemistry with superior effectiveness, lower corrosive effects, and faster kinetic reactions than triazine-based alternatives [\[READ MORE\]](#)
- **INTELLISWEET™ gas contactor and chemical automation system** injects timely and precise dosage of FULLSWEET in response to real-time H<sub>2</sub>S ppm measurement [\[READ MORE\]](#)
- **ProductionLink™ integrated production optimization platform** provides real-time monitoring and control to manage and mitigate H<sub>2</sub>S risk [\[READ MORE\]](#)

## RESULTS

# Achieved <10ppm H<sub>2</sub>S levels

exceeding customer target

# Up to 98%

improvement in H<sub>2</sub>S removal efficiency

# Lower OPEX

due to remote automation and chemical dosage efficiency

**“This integrated solution rapidly reduced H<sub>2</sub>S levels and optimized scavenger dosage efficiency”**

– **Jeremy Leidensdorf**  
Integrity Management, Applications Specialist