

Effectively Eliminating H₂S in an Environmentally Friendly Way

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Abstract

The Blue Bull system is a groundbreaking, effective, eco-friendly technology developed specifically for the oil industry. One patent-pending tank battery machine can handle over 5,000 barrels/day. We have reduced H₂S levels from 75,000 ppm down to 0.0ppm (better than LACT standards, while leaving no chemicals or residue, and no H₂S released into the air). The technology can be applied to tank batteries or individual wellheads, can control systems via SCADA remote monitoring, pooling is optional. The results from the system have been independently tested by different sources both resulting with 0.00 H₂S remaining as well as having all byproducts tested such as the exhaust (safe for the atmosphere) as well as water waste (safe to pump down a disposal well).

Hydrogen sulfide is extremely toxic, causes extreme corrosion, is flammable and can form explosive mixtures. With this new technology, companies can achieve reduced costs and maintenance issues along with safer storage and transportation resulting in an entire operation being more profitable. Another advantage: the VOC reduction capabilities of the system can also be added to storage tanks, mitigating leaks from hatches and other openings, making the location safer for all workers in the area. Even the scent of H₂S will be eliminated from storage areas in almost every application.

Blue Bull has operated since May of 2014. The process doesn't use chemical scavengers that can cause health hazards and leave residue. Blue Bull is also currently exploring opportunities to apply this technology to the natural gas industry in hopes to create a better, safer, and green environment.

Blue Bull recently presented "The H₂S transformation - turning sour crude into sweet crude" at the 2014 Black Hills Bakken & Investor Conference, October 1 & 2, 2014 in Spearfish, SD and was mentioned in the Bakken Breakout Weekly (11/9/2014 issue - Process removes deadly gas from crude oil"). Inventors Tom Wilson and Dan Johnson were interviewed by Thomas Miller, radio host of Powering America for Breitling Energy during the South Dakota Oil and Gas Conference.

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Tom Wilson and **Dan Johnson** are brothers-in-law from Buffalo, South Dakota. Both have held many different positions in the oil industry and combined, have over 45 years experience serving in a multitude of oilfield capacities. Their ability to identify a need, work together and think outside the box has led them to the development of their patented H₂S removal process. Tom has been a teacher, coach and father in addition to still operating the family ranch near Buffalo. Dan splits his time between Buffalo and Dickinson, ND where he and his sons own and operate Mobile Data LLC, a company that assists oil companies to optimize their production.